November 2023 | Negative Declaration

49TH STREET ELEMENTARY SCHOOL

Major Modernization Project

Prepared for:

Los Angeles Unified School District
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NEGATIVE DECLARATION

Pursuant to the California Environmental Quality Act (CEQA) (California Public Resources Code (PRC) Sections 2100 et seq.) and the State CEQA Guidelines (California Code of Regulations (CCR) Sections 15000 et seq.), the Los Angeles Unified School District (LAUSD or District) has completed this Negative Declaration (ND) for the project described below based on the assessment presented in the attached Initial Study.

LEAD AGENCY: Los Angeles Unified School District

PROJECT TITLE: 49th Street Elementary School Major Modernization Project

PROJECT LOCATION: The Project site is at the 49th Street Elementary School Campus (49th Street ES or Campus) at 750 East 49th Street (Assessor's Parcel Numbers [APN] 5108-011-909 and -910), within the South Park neighborhood, in the City of Los Angeles, County of Los Angeles. The proposed Project would occur on approximately on 4.3 acres of the 5.73-acre 49th Street ES Campus (Project site).

PROJECT DESCRIPTION: The District proposes to complete a major modernization project at the 49th Street ES Campus to provide facilities that are safe, secure, and aligned with the instructional program (proposed Project or Project). The Project would demolish three permanent buildings (West Classroom Building, Cafeteria/Lunch Pavilion, and Auditorium Building), and remove of three sheltered corridors. To replace the core facilities and instructional spaces, the Project would construct a one-story Kindergarten Classroom Building with four Kindergarten classrooms and associated support spaces; a one-story Multi-Purpose Room/Food Services/Library Building; lunch shelter; covered eating area for faculty; two shade structures; and new sheltered corridors. Additionally, the Project would include exterior painting of all existing building and structures to remain, as well as minor interior improvements to convert one existing classroom and the existing library into administrative workrooms. The Project would also include the installation of interim facilities to allow the school to remain operational during construction, including relocatable kitchen/scramble building and a relocatable restroom building. The proposed Project maintains the school's current capacity and total number of standard size classrooms.

EXISTING CONDITIONS: The existing Campus is located on 5.73 acres and contains seven permanent buildings: Main Classroom Building, West Classroom Building, South Classroom Building, Auditorium, Administration/Library/Classroom Building, Classroom Building, and Cafeteria. The buildings were constructed between 1923 and 1969. The existing Campus also includes 43 standard classrooms, support spaces for instruction, administrative staff, and maintenance and operations, hardcourt playgrounds, and two parking lots: one along East 49th Street with 41 parking stalls and the other along East 50th Street with seven parking

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stalls. The Campus does not contain any relocatable buildings. The 49th Street ES has an enrollment of 568 students in Pre-K through 5th grade in the 2022–2023 school year[1].

DOCUMENT AVAILABILITY: The ND and supporting Initial Study for 49th Street Elementary School Project are available for review at the following locations:

- Los Angeles Unified School District, Office of Environmental Health and Safety, 333 South Beaudry Avenue, 21st Floor, Los Angeles, CA 90017 (by appointment, call (213) 241-3199)
- 49th Street Elementary School (main office), 750 East 49th Street, Los Angeles, CA 90011
- LAUSD OEHS website: http://www.lausd.org/CEQA

SUMMARY OF IMPACTS: The attached Initial Study was prepared to identify the potential effects on the environment from the construction and operation of the modernized Campus and to evaluate the significance of those effects. Based on the environmental analysis, the proposed Project would have no impacts or less-than-significant environmental impacts related to the following topics:

- Aesthetics
- Agriculture and Forestry Resources
- Air Quality
- Biological Resources
- Cultural Resources
- Energy
- Geology and Soils
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Mineral Resources
- Noise
- Pedestrian Safety
- Population and Housing
- Public Services
- Recreation
- Transportation
- Tribal Cultural Resources
- Utilities and Service Systems
- Wildfire
- Mandatory Findings of Significance

Findings. It is hereby determined that, based on the information contained in the attached Initial Study, the proposed Project would not result in any Potentially Significant environmental impacts, and no mitigation measures would be required.

[1] California Department of Education. 2023. Data Quest. https://dq.cde.ca.gov/dataquest/dqcensus/EnrEthGrd.aspx?cds=19647336017149&agglevel=school&year=2022-23

November 2023 | Initial Study

49TH STREET ELEMENTARY SCHOOL

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B. 49th Street Elementary School Tree Inventory Report, Carlberg Associates

C. 49th Street Elementary School Historical Resources Evaluation Report, Historic Resources Group

D. 49th Street Elementary School Historic Resources Technical Report, Historic Resources Group

E. Preliminary Geotechnical Investigation – Proposed Major Modernization Project – 49th Street Elementary School, Geotechnical Professionals Inc.

F. Phase I Environmental Site Assessment 49th Street Elementary School, Tetra Tech

G. Preliminary Environmental Assessment Equivalent Report - 49th Street Elementary School – Major Modernization Project, Ninyo & Moore Geotechnical & Environmental Sciences Consultants

H. 49th Street Elementary School Removal Action Workplan – Major Modernization, Ninyo & Moore Geotechnical & Environmental Sciences Consultants

I. Noise and Vibration Background and Modeling Data, PlaceWorks

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Abbreviations and Acronyms

AAQS	ambient air quality standards
AB	Assembly Bill
ACM	asbestos-containing material
ACCM	asbestos-containing construction material
ADT	average daily trips
AQMP	air quality management plan
BMP	best management practices
BOE	Board of Education (LAUSD)
CA FID UST	California Facility Inventory Database for Underground Storage Tanks
CalEEMod	California Emissions Estimator Model
CALGreen	California Green Building Standards Code
CARB	California Air Resources Board
CCR	California Code of Regulations
C&D	construction and demolition
CDE	California Department of Education
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CHMIRS	California Hazardous Material Incident Report System
CHPS	Collaborative for High Performance Schools
CNEL	Community Noise Equivalent Level
CMP	Los Angeles County Congestion Management Program
CO	carbon monoxide
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent
dB	decibel
dBA	A-Weighted Decibel
dBA L_{eq}	equivalent continuous sound level, in decibels
DPM	diesel particulate matter
DSA	Division of the State Architect (under the California Department of General Services)
ECHO	Enforcement and Compliance History Online
EDR	Environmental Data Resources
EIR	environmental impact report
EPA	US Environmental Protection Agency

Abbreviations and Acronyms

ESA	Environmental Site Assessment
FETU	Facilities Environmental Technical Unit
FINDS	Facility Index System
FTA	Federal Transit Administration
GHG	greenhouse gases
HVAC	heating, ventilation and air conditioning
IPCC	Intergovernmental Panel on Climate Change
LADOT	Los Angeles Department of Transportation
LAFD	City of Los Angeles Fire Department
LAMC	Los Angeles Municipal Code
LAUSD	Los Angeles Unified School District
L_{dn} or DNL	Day-Night Noise Level
Leq	Equivalent Continuous Noise Level
LID	low-impact development
LST	localized significance thresholds
LUST	leaking underground storage tank
MBTA	Migratory Bird Treaty Act
MEP	Maximum Extent Practicable
Metro	Los Angeles County Metropolitan Transportation Authority
MPH	mile per hour
$MTCO_2e$	metric ton of CO_2e
MW	Materials and Waste Management
ND	negative declaration
NPDES	National Pollutant Discharge Elimination System
OEC	other environmental conditions
OEHHA	Office of Environmental Health Hazard Assessment
O_3	ozone
OITC	outdoor-indoor transmission class
PCSD	Pacific Charter School Development
PDF	project design features
PEA	Preliminary Environmental Assessment
PF	Public Facility
PM	particulate matter

Abbreviations and Acronyms

PRC	Public Resources Code
PPV	peak particle velocity
RCRA-LQG	Resource Conservation and Recovery Act - Large Quantity Generators
REC	recognized environmental condition
RTP	Regional Transportation Plan
RWQCB	regional water quality control board
SB	Senate Bill
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCS	Sustainable Communities Strategy
SO_2	sulfur dioxide
SoCAB	South Coast Air Basin
SRA	Source Receptor Area
STC	sound transmission class
SUP	School Upgrade Program
SUSMP	standard urban stormwater mitigation plan
SWEEPS UST	Statewide Environmental Evaluation and Planning System
SWPPP	stormwater pollution prevention plan
ULSD	ultra-low sulfur diesel
UST	underground storage tank
VdB	vibration decibel
VMT	vehicle miles traveled
VOC	volatile organic compounds

Abbreviations and Acronyms

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1. Introduction

1.1 OVERVIEW

The Los Angeles Unified School District (LAUSD or District) proposes to implement a major modernization project (proposed Project) of 49th Street Elementary School (49th Street ES or Campus), located at 750 East 49th Street in the South Park neighborhood in the City of Los Angeles. The proposed Project will address the most critical physical conditions and essential safety issues on the Campus to provide a safe and healthy environment that promotes learning. The proposed Project would occur on approximately 4.3 acres of the 5.73-acre 49th Street ES Campus (Project site). The proposed Project is required to undergo an environmental review pursuant to the California Environmental Quality Act (CEQA). The proposed discretionary action (i.e., approval of the proposed Project) by LAUSD constitutes a "project" because approval of the Project would result in a direct physical change in the environment.

1.2 BACKGROUND

In January 2014, the School Upgrade Program (SUP) was created to develop projects that modernize, build, and upgrade school facilities to improve student health, safety and educational quality. Over the course of the last several years, new sources of funds were allocated to SUP by the Board of Education as new requirements and priorities emerged and facilities needs continued to grow. These additional funds allowed further improvements to ADA accessibility, air conditioning, technology infrastructure and systems, new and expanded wellness centers, as well as other pressing school facilities needs related to safety, compliance, and instructional requirements.[1] In November 2015, the District-wide SUP project was analyzed in compliance with CEQA in the Program Environmental Impact Report (Program EIR).[2] On November 10, 2015, the BOE certified the Program EIR and adopted a Mitigation Monitoring Reporting Program (MMRP).[3]

Voters approved local bond Measure RR on November 3, 2020, providing $7 billion to upgrade and modernize campuses for 21st century learning and COVID-19 safety standards, address inequities in public school facilities, and improve accessibility, environmental efficiency, safety, and security. On August 24, 2021, the Board adopted an update to the SUP to integrate Measure RR funding and priorities into its operational framework and approved the Measure RR Implementation Plan (Implementation Plan) to help guide the identification of sites and development of project proposals (Board Report No. 027-21/22). The

[1] Facilities Division Strategic Execution Plan. https://achieve.lausd.net/cms/lib/CA01000043/Centricity/Domain/261//SEP/2022%20Facilities%20Services%20Division%20SEP.pdf

[2] LAUSD OEHS. "School Upgrade Program Final Environmental Impact Report." http://achieve.lausd.net/ceqa. Adopted by the Board of Education on November 10, 2015.

Implementation Plan included, among other things, the development of seven major modernization projects, one in each Board District. The 49th Street ES campus is in Board District 7.

On October 12, 2021, the Board approved project definitions for the due diligence, planning, and feasibility activities necessary to propose scope recommendations, budgets, and schedules for major modernization projects at 49th Street Elementary School (Board Report No. 085-21/22). On November 15, 2022, the Board approved the project definition for 49th Street ES (Board Report No. 074-22/23).

1.3 CALIFORNIA ENVIRONMENTAL QUALITY ACT

The environmental compliance process is governed by CEQA[4] and the State CEQA Guidelines.[5] CEQA was enacted in 1970 by the California Legislature to disclose to decision-makers and the public the significant environmental effects of projects and to identify ways to avoid or reduce the environmental effects through feasible alternatives or mitigation measures. Compliance with CEQA applies to California government agencies at all levels: local, regional, and state agencies, boards, commissions, and special districts (such as school districts and water districts).

LAUSD is the lead agency for this proposed Project and is therefore required to conduct an environmental review to analyze the potential environmental effects associated with the proposed Project.

1.3.1 Initial Study

California Public Resources Code (PRC) Section 21080(a) states that analysis of a project's environmental impact is required for any "discretionary projects proposed to be carried out or approved by public agencies…" In this case, LAUSD has determined that an Initial Study is required to determine whether there is substantial evidence that construction and operation of the proposed Project would result in environmental impacts. The purpose of the Initial Study is to 1) provide the lead agency with information to use as the basis for deciding the proper type of CEQA document to prepare; 2) enable the lead agency to modify a project, mitigating adverse impacts before an EIR is prepared, thereby enabling the project to qualify for a negative declaration; 3) assist in the preparation of an EIR, if one is required; 4) facilitate environmental assessment early in the design of a project; 5) provide documentation of the factual basis for the findings in an negative declaration; 6) eliminate unnecessary EIRs; and 7) determine if the project is covered under a previously prepared EIR.

1.3.2 Negative Declaration

When an Initial Study identifies the potential for immitigable significant environmental impacts, the lead agency must prepare an EIR; however, if all impacts are found to be less than significant or can be mitigated to less than significant, the lead agency can prepare an ND or MND that incorporates mitigation measures into the project. The ND or MND includes information necessary for agencies to meet statutory responsibilities related to the proposed Project. State and local agencies will use the ND or MND when considering any permit or

[4] California Public Resources Code, § 21000 et seq (1970).
[5] California Code of Regulations, Title 14, Division 6, Chapter 3, § 15000 et seq.

other approvals necessary to implement the project. A list of the environmental topics that have been identified for study in the MND is provided in the Initial Study Checklist (Chapter 4).

1.3.3 Tiering

The proposed Project is a type of project that was analyzed in the LAUSD SUP Program EIR that was certified by the LAUSD Board of Education on November 10, 2015.[6] December, 13, 2023, the Board is expected to certify the Final Subsequent Program Environmental Impact Report (SPEIR), which addresses the environmental effects associated with the implementation of the LAUSD's School Upgrade Program (SUP). [7] The SPEIR was prepared according to CEQA 14 CCR Section 15162(a) due to substantial changes in the goals and funding for the SUP from what was evaluated in the 2015 EIR, and the implementation of Measure RR within the LAUSD SUP.

No mitigation measures are required by the Program EIR and SPEIR. The Board certified and adopted the Standard Conditions of Approval for District Construction, Upgrade, and Improvement Projects (Standard Conditions; SCs) to be applied to future projects and are uniformly applied development standards. The SCs provide sufficient performance standards for future projects to reduce environmental impacts. Preparation of an Environmental Monitoring and Reporting Program will commit the District to compliance tracking and follow-up on future SUP-related projects.

The proposed Project is considered a site-specific project under the Program EIR; therefore, this MND is tiered from the SUP Program EIR. The Program EIR is available for review online at http://www.lausd.org/CEQA and at the LAUSD Office of Environmental Health and Safety, 333 South Beaudry Avenue, 21st Floor, Los Angeles, CA 90017.

1.3.4 Project Plan and Building Design

The proposed Project is subject to the California Department of Education (CDE) design and siting requirements, and the school architectural designs are subject to review and approval by the California Division of the State Architect (DSA). The proposed Project, along with all other SUP-related projects, is required to comply with specific design standards and sustainable building practices. Certain standards assist in reducing environmental impacts, such as the California Green Building Code (CALGreen Code),[8] LAUSD Standard Conditions of Approval (SC),[9] and the Collaborative for High-Performance Schools (CHPS) criteria.[10]

California Green Building Code. Part 11 of the California Building Standards Code is the California Green Building Standards Code, also known as the CALGreen Code. The CALGreen Code is a statewide green building standards code and is applicable to residential and non-residential buildings throughout California,

[6] Program EIR for the School Upgrade Program. Report. 2015. http://achieve.lausd.net/ceqa.
[7] Program EIR for the School Upgrade Program. Report. 2023. http://achieve.lausd.net/ceqa.
[8] California Green Building Standards Code, Title 24, Part 11.
[9] LAUSD OEHS, "Standard Conditions of Approval for District Construction, Upgrade, and Improvement Projects." Update adopted by the Board of Education on February 19, 2019. http://achieve.lausd.net/ceqa.
[10] The Board of Education's October 2003 Resolution on Sustainability and Design of High Performance Schools directs staff to continue its efforts to ensure that every new school and modernization project in the District, from the beginning of the design process, incorporate CHPS (Collaborative for High Performance Schools) criteria to the extent possible.

1. Introduction

including schools. The CALGreen Code was developed to reduce GHG from buildings; promote environmentally responsible, cost-effective, healthier places to live and work; reduce energy and water consumption; and respond to the environmental directives of the Department of Housing and Community Development.

Standard Conditions of Approval for District Construction, Upgrade, and Improvement Projects. Standard Conditions of Approval for District Construction, Upgrade, and Improvement Projects (SCs) were adopted by the BOE on February 5, 2019 (Board Report Number 241-18/19). SCs are environmental standards that are applied to District construction, upgrade, and improvement projects and used by the OEHS CEQA team to offset potential environmental impacts. The SCs were largely compiled from established LAUSD design guidelines and standards, best management practices, and regulatory requirements. For each SC, applicability is triggered by factors such as the project type and existing conditions. These SCs are implemented during the planning, construction, and/or operational phases of the projects. The Board of Education adopted a previous version of the SCs on November 10, 2015 (Board Report Number 159-15/16) as part of the Program Environmental Impact Report (Program EIR) for the School Upgrade Program. It is anticipated that the BOE will adopt updates to the SCs as part of the Subsequent Program EIR for the School Upgrade Program, which is being prepared concurrently to this document. It is expected that the Subsequent Program EIR will be certified prior to the adoption of this ND; therefore, all SCs referenced in this document reflect those contained in the upcoming Subsequent Program EIR.

Collaborative for High-Performance Schools (CHPS). The proposed Project would include CHPS criteria points under seven categories: Integration, Indoor Environmental Quality, Energy, Water, Site, Materials and Waste Management, and Operations and Metrics. The proposed Project would comply with CHPS and LAUSD sustainability guidelines. The design team would be responsible for incorporating sustainability features for the proposed Project consistent with the sixth edition of the California CHPS Criteria (CA-CHPS), including onsite treatment of stormwater runoff, "cool roof" building materials, lighting that reduces light pollution, water and energy-efficient design, water-wise landscaping, collection of recyclables, and sustainable and/or recycled-content building materials.

Project Design Features. Project design features (PDFs) are environmental protection features that modify a physical element of a site-specific project and are depicted in a site plan or documented in the project design plans. PDFs may be incorporated into a project design or description to offset or avoid a potential environmental impact and do not require more than adhering to a site plan or project design. Unlike mitigation measures, PDFs are not special actions that need to be specifically defined or analyzed for effectiveness in reducing potential impacts.

Mitigation Measures. If, after incorporation and implementation of federal, state, and local regulations; CHPS prerequisite criteria; PDFs; and SCs, there are still significant environmental impacts, then feasible and project-specific mitigation measures are required to reduce impacts to less than significant levels. Mitigation under CEQA Guidelines Section 15370 includes:

- Avoiding the impact altogether by not taking a certain action or parts of an action.
- Minimizing impacts by limiting the degree or magnitude of the action and its implementation.

- Rectifying the impact by repairing, rehabilitating, or restoring the impacted environment.
- Reducing or eliminating the impact over time by preservation and maintenance operations during the life of the action.
- Compensating for the impact by replacing or providing substitute resources or environments.

Mitigation measures must further reduce significant environmental impacts above and beyond compliance with federal, state, and local laws and regulations; PDFs; and SCs. The specific CHPS prerequisite criteria and LAUSD SCs are identified in the tables under each CEQA topic.[11] Federal, state, regional, and local laws, regulations, plans, and guidelines; CHPS criteria; PDFs; and SCs are considered part of the Project and are included in the environmental analysis.

1.4 IMPACT TERMINOLOGY

The following terminology is used to describe the level of significance of impacts.

- A finding of ***no impact*** is appropriate if the analysis concludes that the project would not affect the particular topic area in any way.
- An impact is considered ***less than significant*** if the analysis concludes that it would cause no substantial adverse change to the environment and requires no mitigation.
- An impact is considered ***less than significant with mitigation incorporated*** if the analysis concludes that it would cause no substantial adverse change to the environment with the inclusion of environmental commitments or other enforceable mitigation measures.
- An impact is considered ***potentially significant*** if the analysis concludes that it could have a substantial adverse effect on the environment. If any impact is identified as potentially significant, an EIR is required.

1.5 ORGANIZATION OF THE INITIAL STUDY

The content and format of this report are designed to meet the requirements of CEQA and the State CEQA Guidelines. The conclusions in this Initial Study are that the proposed Project would have no significant impacts. This report has the following sections:

Chapter 1, ***Introduction*** identifies the purpose and scope of the MND and supporting Initial Study and the terminology used.

Chapter 2, ***Environmental Setting*** describes the existing conditions, surrounding land uses, general plan designations, and existing zoning at the proposed Project site and surrounding area.

[11] CHPS criteria are summarized. The full requirement can be found at http://www.chps.net/dev/Drupal/California.

1. Introduction

Chapter 3, ***Project Description*** identifies the location, provides the background, and describes the scope of the proposed Project in detail.

Chapter 4, ***Environmental Checklist and Analysis*** presents the LAUSD CEQA checklist, an analysis of environmental impacts, and the impact significance finding for each resource topic. This section identifies the CHPS criteria, PDFs, Standard Conditions of Approval, and mitigation measures, as applicable. Bibliographical references and individuals cited for information sources and technical data are footnoted throughout this CEQA Initial Study; therefore a stand-alone bibliography section is not required.

Chapter 5, ***List of Preparers*** identifies the individuals who prepared the MND and supporting Initial Study and technical studies and their areas of technical specialty.

Appendices contain data supporting the analysis in this CEQA Initial Study.

2. Environmental Setting

2.1 PROJECT LOCATION

The 5.73-acre District-owned property is located at 750 East 49th Street (Assessor's Parcel Number [APN] 5108-011-909 and -910), within the South Park neighborhood in the City of Los Angeles, County of Los Angeles. The Campus is approximately 3 miles south of Downtown Los Angeles and approximately 1 mile east of Interstate 110 (I-110) and 2.3 miles south of Interstate 10 (I-10) (see Figure 1, *Regional Location*).

The Campus is bounded by East 49th Street to the north, McKinley Avenue to the east, East 50th Street to the south, and residential properties to the west (see Figure 2, *Local Vicinity* and Figure 3, *Aerial Map*). The Campus's main public entrance is located along East 49th Street.

Transit service to the Project site is provided by the Los Angeles County Metropolitan Authority (Metro), which operates Bus Line 51 along Avalon Boulevard and Bus Line 53 along Central Avenue, approximately 0.1 mile west and 0.25 mile east of the Campus, respectively. Regional service is provided by the Metro A Line, along Long Beach Avenue with the closest A Line rail stations to the Project site are Vernon, approximately 1.1 mile northeast and Slauson, approximately 1.2 mile southeast of the Campus.

The topography across the site is relatively flat, with ground surface elevations ranging from approximately 174 feet to 179 feet across the site. Within the vicinity of the site, the ground surface slopes down very gradually to the southwest (inclination of less than 1 percent).[12] The site is located outside an Alquist-Priolo Earthquake Fault Zone. The nearest active faults and related geologic structures to the site are the Puente Hills Blind Thrust and Newport-Inglewood Zone of deformation, both considered active fault zones. The site is not located in a seismic hazard zone for soil liquefaction. The Project site is not within any mapped flood hazard zone or designated floodplain. The Project site is not on any of the lists compiled under Government Code Section 65962.5.

2.2 SURROUNDING LAND USE

The Project site is predominantly surrounded by one- and two-story single- and multi-family residences except for 49th Street Park and McKinley Avenue Park. The 0.19-acre 49th Street Park owned and operated by the City of Los Angeles, abuts the Campus on a portion of the west property line. Across from the northeast corner of the Campus is the 0.11-acre McKinley Avenue Park.

[12] Preliminary Geotechnical Investigation

2.3 SENSITIVE RECEPTORS

LAUSD has defined sensitive receptors as residences, schools, long-term care facilities, dormitories, motels, hotels, transient lodgings, hospitals, libraries, auditoriums, concert halls, outdoor theaters, nature and wildlife preserves, parks, and places of worship.

In addition to students, there are sensitive receptors near the Campus, which include residences, parks, and places of worship. LAUSD has identified the nearest sensitive receptors to the Project site (see Figure 4, *Location of Sensitive Receptors*; Table 1, *Sensitive Receptors within 50 feet of the Campus*).

Table 1. Sensitive Receptors within 50 feet of the Campus

Address	Type
4825 McKinley Ave	Single Family Residence
4825 McKinley Ave	Single Family Residence
4916 McKinley Ave	Park
4920 McKinley Ave	Single Family Residence
5001 McKinley Ave	Multiple Family Residence
662 E 49th St	Multiple Family Residence
665 E 49th St	Multiple Family Residence
670 E 49th St	Park
670 E 50th St	Multiple Family Residence
671 E 49th St	Multiple Family Residence
673 E 50th St	Multiple Family Residence
674 E 50th St	Multiple Family Residence
677 E 49th St	Multiple Family Residence
683 E 49th St	Multiple Family Residence
684 E 50th St	Single Family Residence
687 E 49th St	Multiple Family Residence
690 E 50th St	Single Family Residence
695 E 49th St	Multiple Family Residence
700 E 50th St	Single Family Residence
701 E 49th St	Multiple Family Residence
708 E 50th St	Multiple Family Residence
709 E 49th St	Multiple Family Residence
715 E 49th St	Multiple Family Residence
716 E 50th St	Single Family Residence
721 E 49th St	Multiple Family Residence
724 E 50th St	Multiple Family Residence
727 E 49th St	Single Family Residence
730 E 50th St	Multiple Family Residence
733 E 49th St	Multiple Family Residence

Table 1. Sensitive Receptors within 50 feet of the Campus

Address	Type
739 E 49th St	Multiple Family Residence
740 E 50th St	Multiple Family Residence
745 E 49th St	Multiple Family Residence
748 E 50th St	Multiple Family Residence
751 E 49th St	Multiple Family Residence
755 E 49th St	Single Family Residence
758 E 50th St	Multiple Family Residence
762 E 50th St	Multiple Family Residence
763 E 49th St	Single Family Residence
771 E 49th St	Single Family Residence
772 E 50th St	Single Family Residence
773 E 49th St	Single Family Residence
775 E 49th St	Single Family Residence
775 E 51st St	Church
776 E 50th St	Single Family Residence
850 E 49th Pl	Multiple Family Residence
852 E 49th St	Multiple Family Residence
853 E 50th St	Multiple Family Residence
854 E 50th St	Multiple Family Residence

2.4 CAMPUS HISTORY

As described in the Historic Resources Evaluation Report (HRER) prepared for the proposed Project, construction of the 49th Street ES Campus was completed in the early 1910s, and the school was dedicated in 1914. The Campus initially consisted of one main building located near McKinley Avenue and two smaller classrooms near the west side of the Campus. In 1923, a two-story brick building (West Building) was also constructed on the Campus.

Following the Long Beach Earthquake of 1933, the District decided to modernize the 49th Street ES Campus, which resulted in demolition of the original main building and two smaller classrooms on the Campus. The West Building was the only building that was retained and retrofitted following the earthquake.

In 1935, 49th Street ES received funding for the construction of two new buildings (Main Building and South Building) and the reconstruction of a one-story school building (West Building). The Main Building and South Building are both single-story wood frame buildings with concrete foundations and cement plaster exteriors. Originally a two-story building, the West Building's second story was removed, and the building was reclad with cement plaster exteriors to match the design of the Main Building and South Building.

In 1936, the school's one-story Auditorium Building was constructed with reinforced concrete and steel construction, unlike the other new buildings on the Campus, which were of wood frame construction. The Administration, Library & Classroom Building was constructed in 1965; and in 1969, an addition was added to the west of the building (Classroom Building), and the new Cafeteria/Lunch Pavilion was constructed that same year. The Administration, Library & Classroom Building/Classroom Building comprise a single building, but where they are joined is visually distinctive from the interior[13].

2.4.1 Potential Historic District

As shown in Figure 5, *49th Street Elementary School Potential Historic District*, a single potential historic district was identified at 49th Street ES with a period of significance from 1935 to 1936. The potential historic district was found eligible for listing in the National Register and California Register, and for designation as a City of Los Angeles HCM under Criteria 1 and 3. As listed in Table 2, *Existing School Campus*, the potential historic district consists of four contributing buildings and three contributing sheltered corridors with a period of significance from 1935 to 1936. Two buildings located within the potential historic district boundary but constructed outside of the period of significance are considered non-contributing buildings to the potential historic district.

2.5 EXISTING CONDITIONS

The existing Campus encompasses approximately 5.73 acres (249,600 square feet). Student enrollment for the 2022-2023 school year is approximately 568 students in Pre-Kindergarten through 5th grade. The Campus includes seven permanent buildings (see Table 2) and a total of 43 standard classrooms. All existing buildings were constructed between 1923 and 1969. The existing Campus also includes support spaces for instruction, administrative staff, and maintenance and operations; a lunch pavilion, sheltered corridors, and hardcourt playgrounds, and two parking lots: one along East 49th Street with 41 parking stalls and the other along East 50th Street with 7 parking stalls. The Campus does not contain any relocatable buildings (see Figure 6, *Existing Campus*, Figure 7a, *Photograph Location and Direction*, and Figure 7b, *Project Site Photographs*). Three of the seven buildings, including the Administration/Library/Classroom Building, West Classroom Building, and Auditorium, are listed or eligible for listing on the Assembly Bill 300 (AB 300) 2002 Seismic Safety Inventory of California Public Schools Report.[14]

Table 2. Existing School Campus

Building Name	Approx. Square Footage	Classrooms	Year Built	Number of Stories	Historic District Status
Main Classroom Building	13,000	8	1935	1	Contributor
West Classroom Building	5,600	3	1923	1	Contributor
South Classroom Building	9,600	7	1935	1	Contributor
Auditorium	4,300	-	1936	1	Contributor

[13] Historic Resources Group. 2023. 49th Street Elementary School Historic Resources Evaluation Report.
[14] https://www.lausd.org/cms/lib/CA01000043/Centricity/domain/261/ab300/108_SeismicSafetyInventory_CA.pdf

Table 2. Existing School Campus

Building Name	Approx. Square Footage	Classrooms	Year Built	Number of Stories	Historic District Status
Administration/Library/Classroom Building	24,800	14	1965	2	Non-Contributor
Classroom Building	15,200	10	1969	2	Non-Contributor
Cafeteria	1,800	-	1969	1	Non-Contributor
Lunch Pavilion	2,300	-	1969	-	Non-Contributor
Sheltered Corridor 1	600	-	1935	-	Contributor
Sheltered Corridor 2	300	-	1936	-	Contributor
Sheltered Corridor 3	200	-	1936	-	Contributor
Sheltered Corridor 4	200	-	1969	-	Non-Contributor
Total	**77,900**	**42**	**-**	**-**	**-**

Source: LAUSD 2023 and HRG 2023

2.5.1 Existing Buildings and Site Improvements

Main Classroom Building

The Main Building was constructed in 1935. It is a Public Works Administration (PWA) Moderne style one-story building with a rectangular plan. The primary entrance, which is now blocked, features some Neoclassical elements, and is located on the eastern portion of the building along McKinley Avenue. There is a secondary entrance on the northern and southern portions of the building. The interior of the Main Building features a central hallway that opens to classrooms.

West Classroom Building

The West Building was constructed in 1923 and altered in 1935. It is a one-story building with a roughly "L"-shaped plan, simple massing, and asymmetrical composition. The primary entrance is located on the northern portion of the building. The building also contains two secondary entrances on the southern portion of the building. The interior of the West Building is divided into several spaces, and most classrooms are accessible via a central hallway. A classroom and staff lounge are accessible via the concrete ramp along the primary facade.

South Classroom Building

The South Building was constructed in 1935. It is a one-story PWA Moderne style building with a rectangular plan, simple massing, and a flat roof with a low parapet and metal coping. The primary entrances to the building

are located along the eastern and western boundaries of the building. The interior of the South Building features a central hallway that opens to classrooms.

Auditorium Building

The Auditorium Building was constructed in 1936. It is a PWA Moderne style one-story building with a rectangular plan, simple massing, and symmetrical composition and a bow truss roof. Primary access to the Auditorium is provided via the south façade and consists of a pair of flush doors. The entrance is accessed by a concrete staircase. Secondary entrances on the east and west façades consist of flush doors with metal hoods, accessed by concrete steps with metal pipe guardrails. The interior of the Auditorium Building features an open auditorium space with a restroom set behind the stage.

Administration. Library. And Classroom Building and Classroom Building

The Administration, Library, and Classroom Building was constructed in 1965; an addition, known as the Classroom Building, was constructed in 1969. Together they form a two-story building with a rectangular plan and a one-story projection on the north façade. The primary entrance is located on the northern portion of the building.

Cafeteria and Lunch Pavilion

The Cafeteria/Lunch Pavilion was constructed in 1969. It is a one-story building with an irregular plan, complex massing and asymmetrical composition. It is composed of two distinct parts: a kitchen with an L-shaped plan, and an open-sided shelter wrapping the north and west sides of the kitchen.

Sheltered Corridors

There are four sheltered corridors on the Campus, which connect separate buildings. Two elevated sheltered corridors from the 1930s (Sheltered Corridor No. 1 and Sheltered Corridor No. 2) connect the Main Building to the West and South Buildings; a third sheltered corridor dating from the 1930s (Sheltered Corridor No. 3) connects the South Building to the Auditorium Building; and a fourth sheltered corridor (Sheltered Corridor No. 4) was constructed in the 1960s and connects the Auditorium Building to the Lunch Pavilion.

2.5.2 Existing 49th Street Campus Uses

School Operations. 49th Street ES is a two-semester, single-track elementary school that serves Pre-K through 5th grades. The District establishes that schools have a total of 183 instructional days (2023-2024) and school hours are 8:00 AM to 2:23 PM.

Student Pick Up/Drop Off. Vehicular and pedestrian access to 49th Street ES for student pick up/drop off currently occurs at the front of the Campus along East 49th Street, which occurs along East 49th Street near the main office entrance.

School-Related Events. The school has after-school programs for the students, such as special-interest clubs, and extracurricular activities that end approximately at 6:00 PM at the latest. There are also occasional nighttime

and weekend events during the school year. Some of these events are Campus-wide, such as school plays and open houses, while others are grade specific, such as commencement.

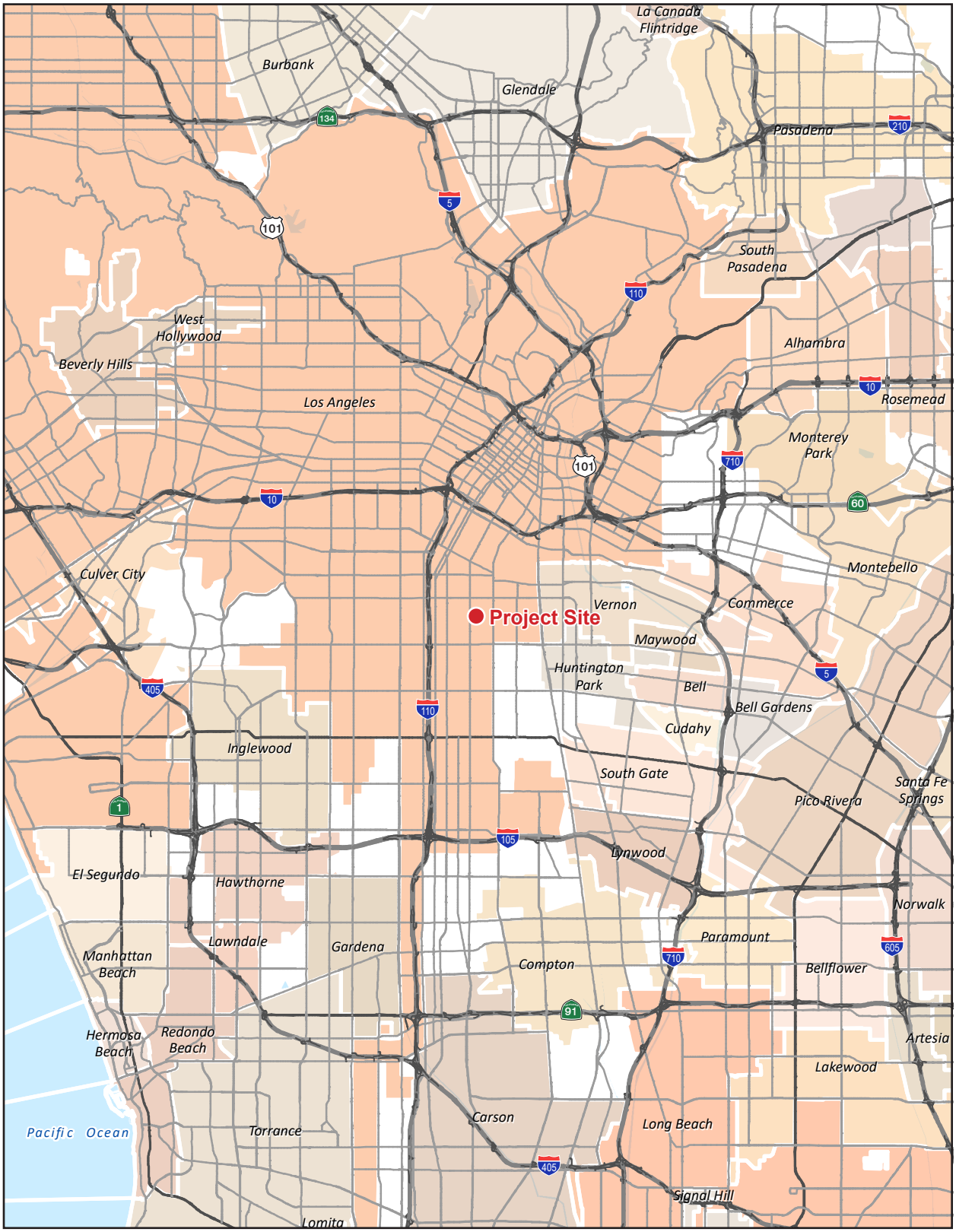
Community Use. In compliance with the Civic Center Act, (CA Education Code Sections 38130-38139), the Campus is available for community use at selected times when not in use by LAUSD.[15]

2.6 EXISTING GENERAL PLAN AND ZONING

The Campus and surrounding developments are within the Southeast Los Angeles Community Plan, which is one of the 35 community plans that comprises the Land Use Element of the General Plan of the City of Los Angeles and the Land Use designation for the school property is 'Public Facilities', which allows public schools. The Project site is zoned PF-1 (Public Facility) and designated PF (Public Facilities) in the Southeast Los Angeles Community Plan. Surrounding residential land uses are designated Low Medium I Residential and 49th Street Park is designated Open Space. Residential parcels surrounding the Project site are zoned R2-1 (Two-Family Zone) and R2-1-CPIO (Two-Family Zone with Community Plan Implementation Overlay) and 49th Street Park is zoned OS-1XL (Open Space) (see Figure 8a and 8b, *Existing Zoning and General Plan Land Use Designations*). On February 19, 2019, the LAUSD Board of Education Adopted a Resolution to exempt all LAUSD school sites from local land use regulations under Government Code Section 53094.[16] LAUSD school sites are exempt from all local ordinances, such as those pertaining to building height, parking, preservation and replacement of trees, construction permits (except those in the public right-of-way), recordation of parcel maps, signage, site plan review, and inspection.

[15] California Education Code Sections 38130–38139.
[16] Regular Meeting Stamped Order of Business, Board of Education Report No. 256-18/19. Los Angeles: LAUSD Board of Education, February 19, 2019

Figure 1 - Regional Location Map

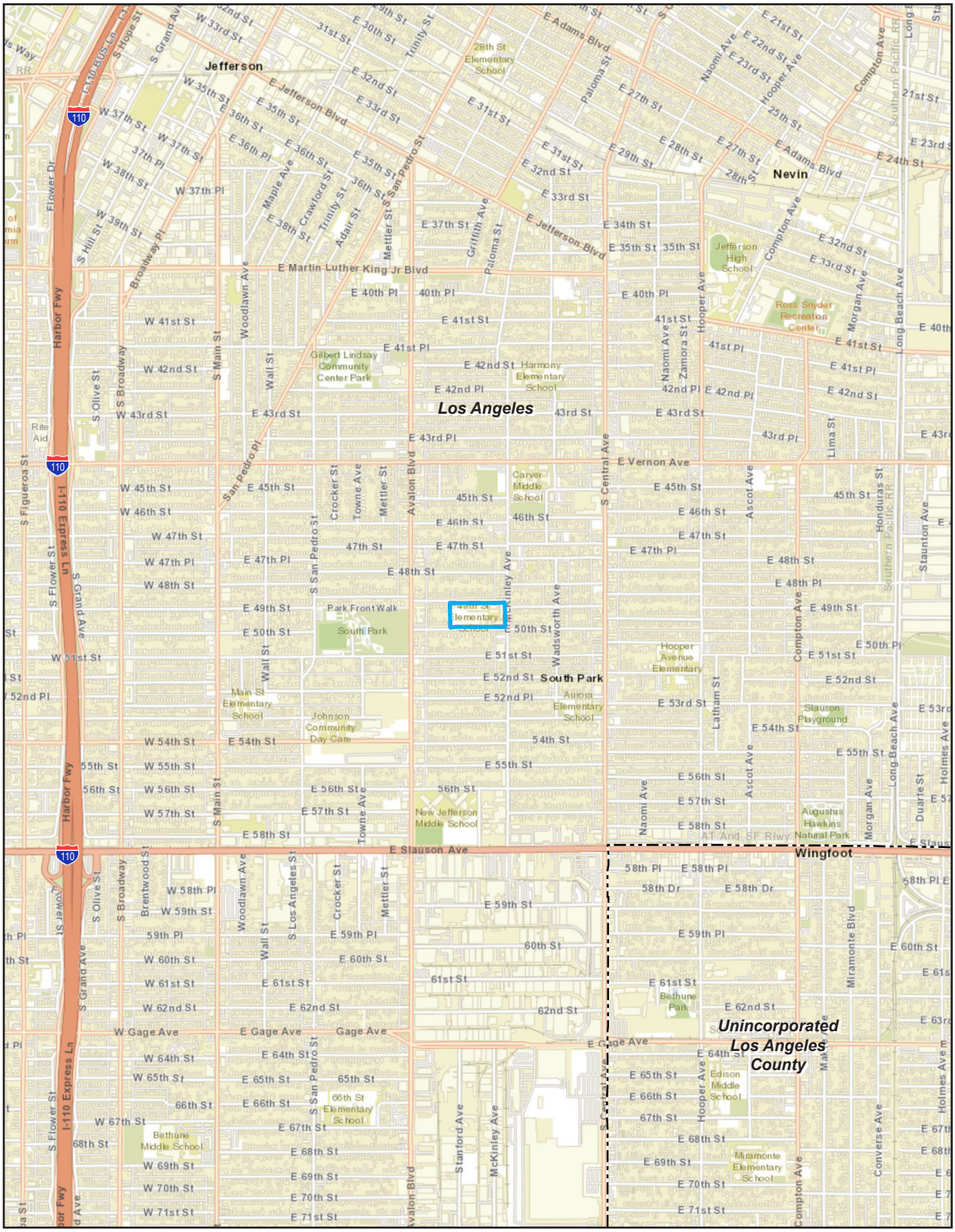


Note: Unincorporated county areas are shown in white.

Source: Generated using ArcMap 2023.

0 3
Scale (Miles)

Figure 2 - Local Vicinity



49th Street Elementary School Boundary

City Boundary

Source: Generated using ArcMap 2023.

Figure 3 - Aerial Photograph



49th Street Elementary School Boundary

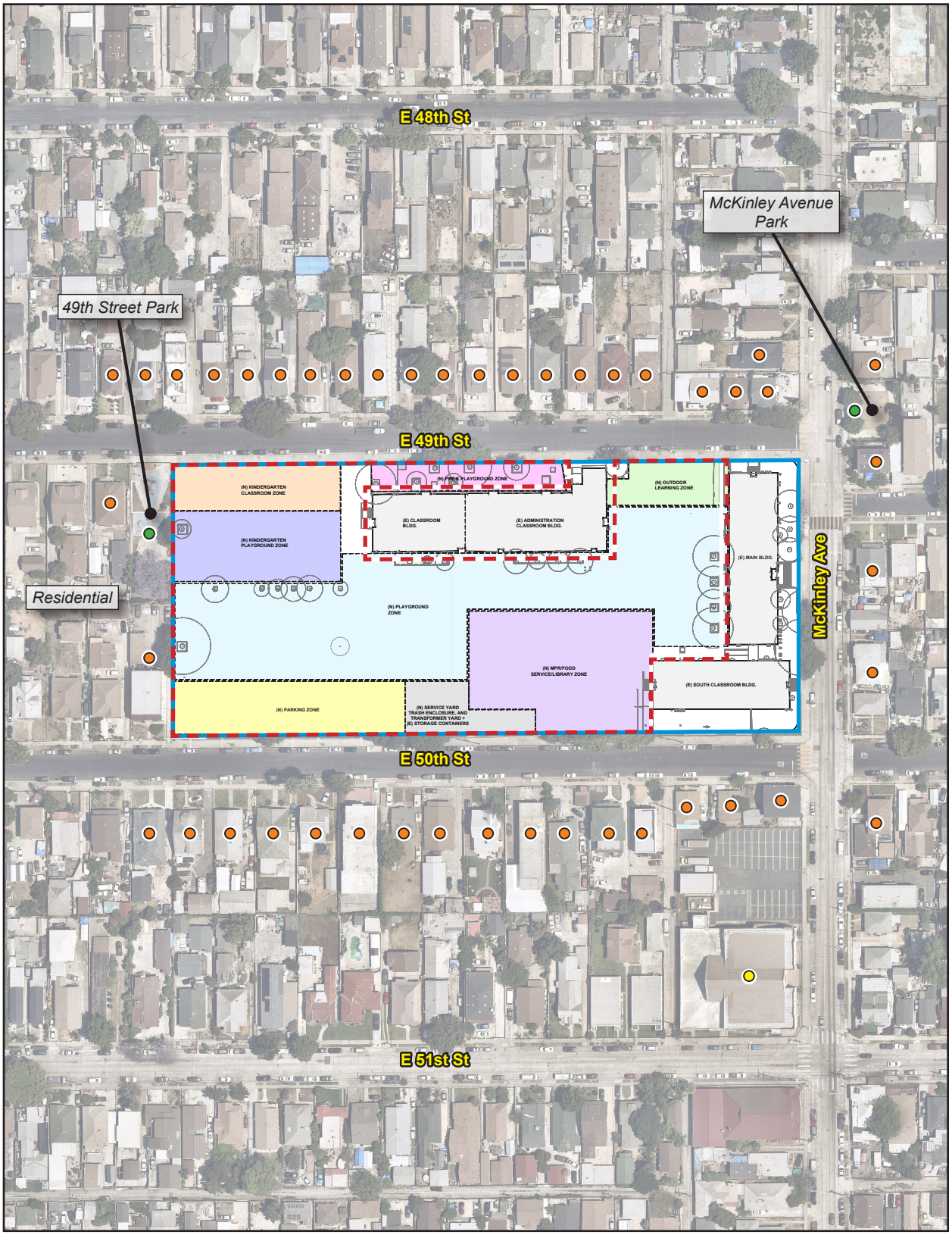
Development Area

0 175

Scale (Feet)

Source: Nearmap 2023.

Figure 4 - Location of Sensitive Receptors



Source: Nearmap 2023; DLR Group 2023.

Figure 5 - Potential Historic District



Source: Basemap: Nearmap 2023; Historic Resources Group.

Figure 6 - Existing 49th Street Elementary School Campus



Source: Base map: Nearmap 2023.

Figure 7a - Photograph Location and Direction



49th Street Elementary School Boundary

Photograph Location and Direction (8)

0 175
Scale (Feet)

Source: Nearmap 2023.

Figure 7b - Project Site Photographs



Photo A. View of West Building, Playground, Administration, and Classroom Building.



Photo B. View of Main Building exterior.



Photo C. View of primary Pick Up and Drop-Off Entrance.



Photo D. View of Main Building, South Building, and Auditorium.



Photo E. View of Auditorium and Sheltered Corridor No. 3.



Photo F. View of Sheltered Corridor No.1.



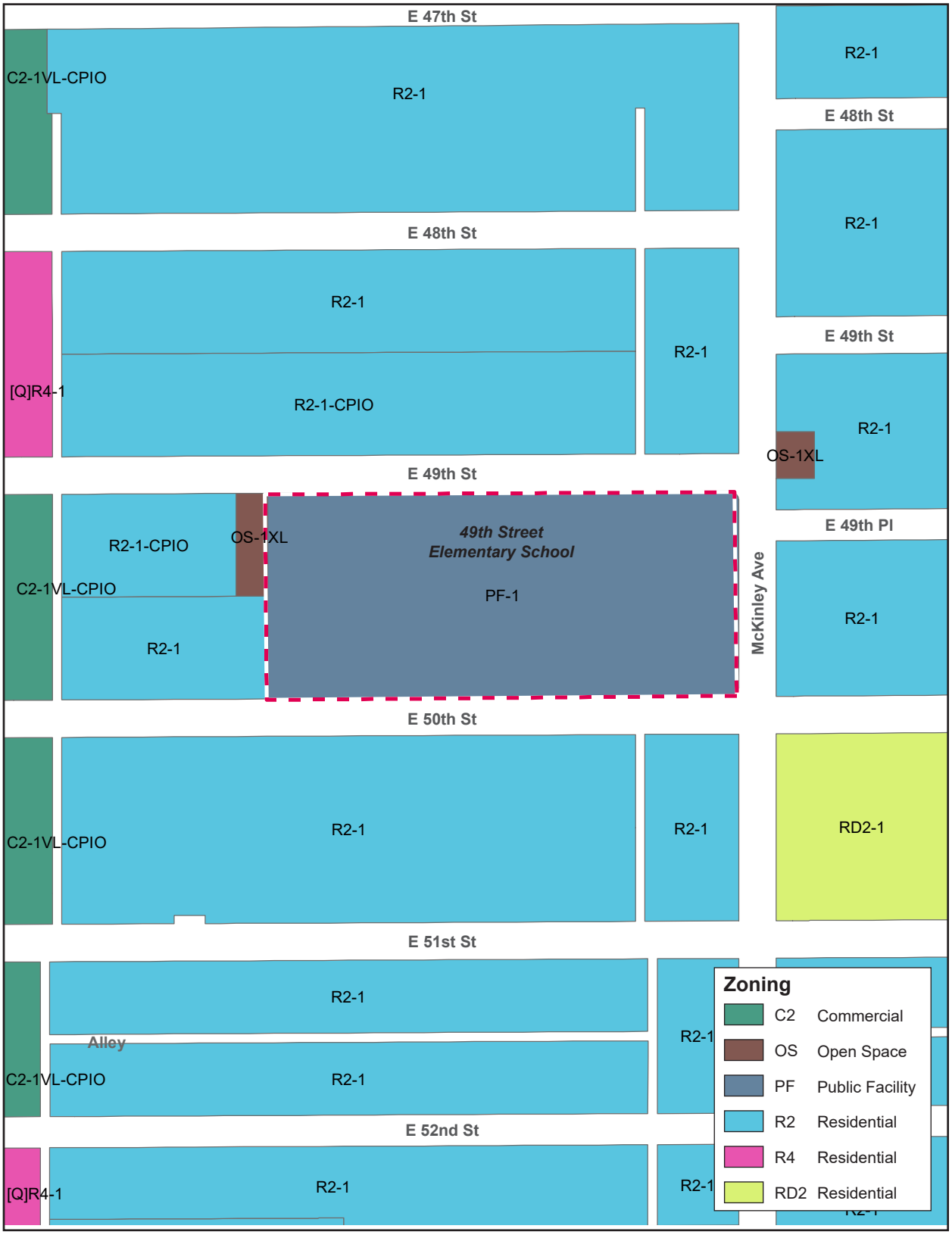
Photo G. View of Sheltered Corridor No.2.



Photo H. View of Cafeteria Building, Lunch Pavilion, and Shelter Corridor No. 4.

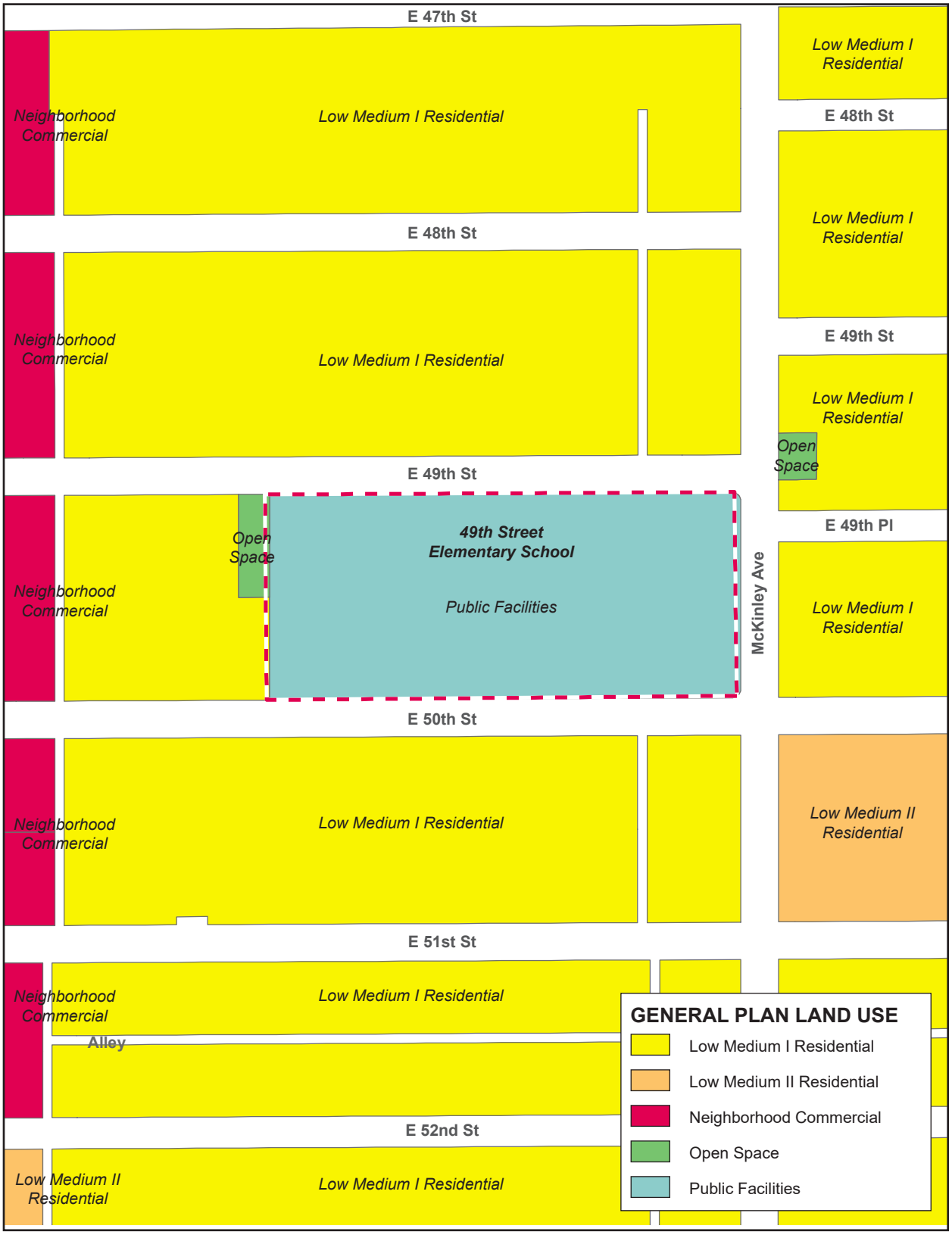
Source: PlaceWorks 2023.

Figure 8a - Zoning Designations



Source: City of Los Angeles 2023.

Figure 8b - General Plan Land Use Designations



Source: City of Los Angeles 2023.

2. Environmental Setting

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3. Project Description

3.1 BACKGROUND

The proposed Project would occur on approximately five acres of the 5.73-acre 49th Street Elementary Campus, located at 750 East 49th Street, in the South Park neighborhood of the City of Los Angeles. The proposed Project will use the "design-build" construction delivery method whereby the general locations for proposed buildings have been identified (within or immediately proximate to the existing structures to be removed).

3.2 PROPOSED PROJECT

The proposed Project consists of the demolition of approximately 15,100 square feet of existing building floor areas and 32,300 square feet of new construction (as shown in Table 3, *Proposed Project (Demolition, Minor Interior Improvements, and Construction)*). The proposed Project includes a major modernization at the 49th Street ES Campus to provide facilities that are safe, secure, and aligned with the instructional program. The proposed Project would demolish three buildings (West Classroom Building, Cafeteria/Lunch Pavilion, and Auditorium Building), and remove three sheltered corridors. To replace these core facilities and instructional space, the Project would construct a one-story Kindergarten Classroom Building with four Kindergarten classrooms and associated support spaces; one-story Multi-Purpose Room/Food Services/Library Building; lunch shelter; covered eating area for faculty; two shade structures; and new sheltered corridors. The Project also includes utility upgrades; new playgrounds, including play equipment/furnishings, striping, natural grass fields with irrigation, cool coating asphalt, and two play structures; new outdoor learning environments; a new parking lot with photovoltaic panels; landscaping and irrigation; hardscaping; and installation of a new trash enclosure, service yard, loading zone, and transformer yard; and fencing, gates, site furnishings, and accessories. Additionally, the Project would include exterior painting of all existing buildings and structures to remain, as well as minor interior improvements to convert one existing classroom and the existing library into administrative workrooms. The Project would also include the installation of interim facilities to allow the school to remain operational during construction, including a relocatable kitchen/scramble building and a relocatable restroom building. The proposed Project maintains the school's current capacity and total number of standard size classrooms.

Demolition and Removal

- West Classroom Building
- Auditorium Building
- Cafeteria Building
- Lunch Pavilion

3. Project Description

- Sheltered Corridors (No. 1, 3, and 4)
- Storage containers

Construction of New Buildings/Structures

- One-Story Kindergarten Classroom Building with four classrooms and associated support spaces
- One-Story Multi-Purpose Room/Food Services/Library Building
- Lunch shelter
- Two shade structures
- Sheltered corridors

Other Improvements

- Convert the existing library and one classroom into administrative workrooms
- Exterior painting of all existing buildings and structures to remain

Site Improvements

- Utilities upgrades
- Outdoor learning environments, landscaping, irrigation, and hardscaping
- New service yard, loading zone, trash enclosure, and transformer yard
- New parking lot with photovoltaic panels
- New playgrounds for Pre-Kindergarten, Kindergarten, and Grades 1-5, including play equipment/furnishings, striping, natural grass fields with irrigation, cool coating asphalt, and two play structures
- New fencing, gates, site furnishings, and accessories

3.2.1 Demolition and Removal

The proposed Project involves the demolition of three permanent buildings (West Classroom Building, Auditorium, Cafeteria), the lunch pavilion, and removal of three sheltered corridors (No. 1, 3 and 4), which adds up to approximately 15,100 square feet of existing building space (see Figure 9, *Structures to be Removed*).

3.2.2 Interim Structures

Construction of the proposed Project would require the implementation of a fully electric interim relocatable kitchen/scramble building and one interim relocatable restroom building on the Campus during construction activities.

3.2.3 Proposed Buildings

The proposed Project would result in the approximately 32,300 square feet of new construction, including a one-story Kindergarten Classroom Building with four classrooms and associated support spaces; a one-story Multi-Purpose Room/Food Services/Library Building; a new lunch shelter, two shade structures; and new sheltered corridors. The proposed Project's also includes minor interior improvements to convert the existing library and one classroom into administrative workrooms and exterior painting for all remaining buildings and structures on the Campus (see Table 3)(see Figure 10, *Conceptual Project Site Plan)*. At completion of the proposed Project, the 49th Street ES Campus would contain 43 standard sized classrooms, which matches the current number of standard classrooms. No change to school's capacity or total number of classrooms are proposed as part of the Project.

Table 3. Proposed Project (Demolition, Minor Interior Improvements, and Construction)

Building/Structure Name	Demolition (SF)	Minor Interior Improvements (SF)	Existing Square Footage to Remain (SF)
Existing Building/Structure			
West Classroom Building	5,600	-	-
Auditorium	4,300	-	-
Cafeteria	1,900	-	-
Lunch Pavilion	2,300	-	-
Sheltered Corridor 1	600	-	-
Sheltered Corridor 3	200	-	-
Sheltered Corridor 4	200	-	-
Administration/Library/Classroom Building	-	800	24,900
Classroom Building	-	900	15,200
Main Classroom Building	-	-	13,000
South Classroom Building	-	-	10,000
Sheltered Corridor 2	-	-	300
Total	**15,100**	**1,700**	**63,400**

Building/Structure Name	New Construction (SF)
New Building/Structure	
Kindergarten Classroom and Support Areas	8,500
Library	2,600
Food Services	4,500
Covered Outdoor Eating Area	3,300
Multi-Purpose Room	6,200
Kindergarten Shade Structure	1,500
Shade Structure	2,400

3. Project Description

Table 3. Proposed Project (Demolition, Minor Interior Improvements, and Construction)

Additional Support Areas	200
Covered Walkway (Between existing Administration/ Classroom Building and existing Main Classroom Building)	1,500
Covered Walkway (Between the existing Classroom Building and New Kindergarten Building)	1,000
Covered Walkway (Between existing South Classroom Building and New MPR/Food Services/Library Building)	500
Campus Total* (does not include outdoor space)	**32,200**

Source: LAUSD 2023
Note: All numbers are in square feet. All new square footages are approximate and subject to change during final site and architectural planning and design phases. These square footage changes would not significantly change the environmental analysis or findings in this IS.
* Square footage totals may not add up exactly due to rounding and the way usable space is calculated. All numbers are based on LAUSD 49th Street Elementary School Major Modernization Project – Space Program. September 21, 2023.
Current total square footage = Existing + Renovation + Demolition (80,200). After Project square footage = Existing + Renovation + New (97,300). Increase in campus square footage = 17,100 sq ft

Kindergarten Classroom Building

The proposed Project would construct a new one-story Kindergarten Classroom Building at the northwest side of the Campus. It would include four new classrooms, storage areas, student restrooms faculty restroom, teachers' workroom, electrical room, intermediate distribution frame room (which is a distribution facility for communications and other low-voltage distribution systems downstream from the main distribution frame), custodial rooms, teacher material storage/bike storage.

New Multi-Purpose Room/Food Services/Library Building

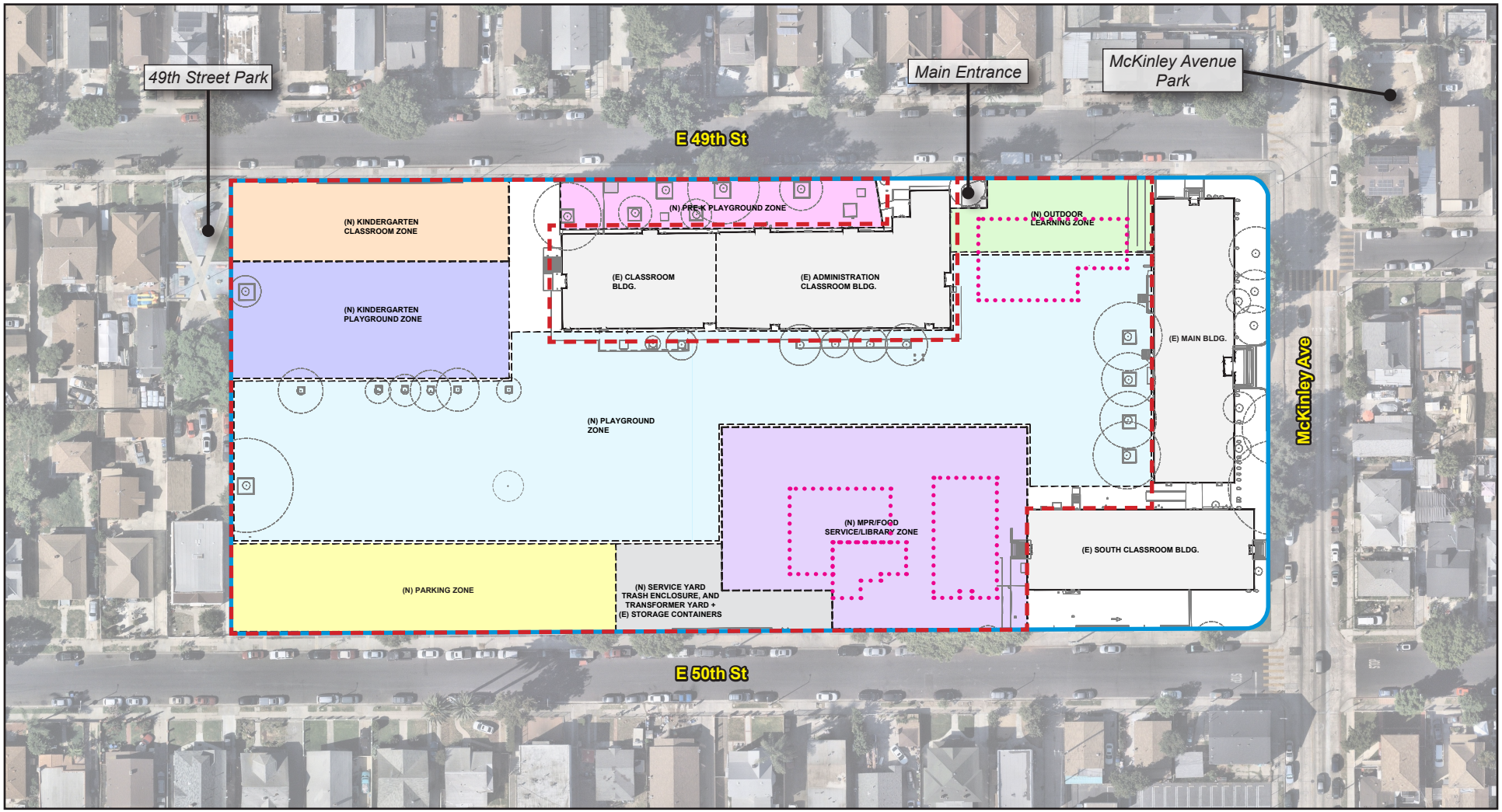
The proposed Multi-Purpose Room/Food Services/Library Building would be designed as a single-story structure and located on the southern boundary of the Project site in the same location as the existing Auditorium. It would include a food service area, a multi-purpose room, covered outdoor eating area, and a new library.

Figure 9 - Structures to be Removed



Source: Basemap: Nearmap 2023; Historic Resources Group.

Figure 10 - Conceptual Site Plan



49th Street Elementary School Boundary
Development Area
Building Structures to be Demolished

0 110
Scale (Feet)

Source: Basemap: Nearmap 2023; DLR Group 2023.

3.2.4 Playgrounds and Outdoor Learning Areas

The proposed Project would provide approximately 114,500 square feet of playgrounds and outdoor learning areas. The proposed Project would provide new playgrounds for all students, including cool coating asphalt, striped games, two play structures with protective surfacing, natural grass fields, basketball courts, volleyball courts, tetherball courts, handball courts, and backstops.

The proposed Project also includes new outdoor learning environments that are in the following areas: adjacent to the new Kindergarten classrooms, between the existing Administration/Classroom Building and Main Classroom Building, and adjacent to the new library.

The proposed Project would include a new Kindergarten playground (minimum 14,000 square feet) that is directly accessible to and from the new kindergarten classrooms. The new Kindergarten playground would include striped hardcourt areas, an inclusive play structure and mat, and a natural grass playfield that is a minimum of 20-foot by 20-foot. Additionally, the proposed Project would implement a minimum 1,000-square-foot Kindergarten outdoor learning area, adjacent to the new Kindergarten classrooms. The Project would also provide new cool coating asphalt and striped games for the Pre-Kindergarten playground, which is approximately 7,500 square feet.

The proposed Project would provide a new main playground for Grades 1 through 5 that is a minimum of 87,000 square feet. The new main playground would include play equipment/furnishings, an inclusive play structure and mat, striped games, a natural grass field with irrigation that is a minimum of 100-foot x 140-foot, running track, basketball courts, volleyball court, tetherball courts, handball courts, cool coating asphalt, primary diamond, and backstops.

A new outdoor learning area that is a minimum of 4,000 square feet would be developed between the existing Administration/Classroom Building and Main Classroom Building, in the place of the existing West Classroom Building. The proposed Project also includes a new reading garden that is a minimum of 1,000 square feet directly adjacent to the new library.

3.2.5 Sheltered Corridors

The proposed Project would include the construction of three new sheltered corridors to provide a contiguous covered walkway between existing and new buildings. The proposed sheltered corridors would be approximately 1,500 square feet, 1,000 square feet, and 500 square feet in size, for a total of 3,000 square feet.

3.2.6 Landscaping

Vegetation on-site consists of 57 trees, all of which are located within the 49th Street ES Campus on District-owned property and are not in the public right-of-way or considered trees within the jurisdiction of the City of Los Angeles[17]. The Project site contains seven coast live oak trees, which are protected species by the City of

[17] Carlberg Associates. 2022, July, City of Los Angeles Tree Report – 49th Street Elementary School. Carlberg Associates. Included as Appendix C to this Initial Study.

3. Project Description

Los Angeles' Tree Preservation Ordinance No. 186873. Protected trees and shrubs as set forth in the Ordinance are coast live oak, western sycamore, Southern California black walnut, California bay laurel, Mexican elderberry and toyon with trunk diameters (measured at 4.5 feet above grade) of 4 inches or greater. Additionally, the Project site contains 37 private property trees which are considered 'significant' as defined by the City's Planning Division. "Significant" trees are defined by the City's Planning Division as trees that have a trunk diameter size of eight inches and greater[18].

While as many existing trees would be preserved as possible, the removal of approximately 27 trees would be required to accommodate implementation of the proposed Project. None of the trees to be removed are considered protected trees by the City of Los Angeles. [19] Any necessary tree removal activities would follow the procedures outlined in the LAUSD Tree Trimming and Removal Procedure (Tree Procedure)[20]. As described in Section IV, *Biological Resources*, the Tree Procedure requires that all tree trimming, and removal will be avoided during the avian breeding and nesting season (February 1st through August 31st) when feasible. This policy ensures the management of District trees while ensuring that District activities will not conflict with locally adopted tree preservation policies and ordinances.[21] Final design of the proposed Project would include a landscape plan that would identify the number, location, and type of replacement trees to be provided. New canopy and accent trees would be installed to increase canopy coverage and provide shade while complimenting the aesthetics of hardscape areas throughout the Campus.

3.2.7 Site Access, Circulation, and Parking

3.2.7.1 EXISTING CONDITIONS

Roadways

Existing roadways in the Project study area are described below[22].

- **East 49th Street** is an east-west roadway north of the school classified as a Collector street. There is one travel lane in each direction.
- **McKinley Avenue** is north-south roadway east of the school classified as a Collector street. There is one travel lane in each direction.
- **East 50th Street** is an east-west roadway south of the school classified as a Local/Other street. There is one travel lane in each direction.

[18] Carlberg Associates, 2022, July, City of Los Angeles Tree Report – 49th Street Elementary School. Carlberg Associates. Included as Appendix C to this Initial Study.

[20] LAUSD OEHS Tree Trimming & Removal Procedure. https://www.lausd.org/cms/lib/CA01000043/Centricity/Domain/135/LAUSD_Tree_Protection.pdf

[21] LAUSD Tree Trimming and Removal Procedure. https://www.lausd.org/cms/lib/CA01000043/Centricity/Domain/135/LAUSD_Tree_Protection.pdf

[22] City of Los Angeles General Plan. Mobility Element. 2016. https://planning.lacity.org/odocument/523f2a95-9d72-41d7-aba5-1972f84c1d36/Mobility_Plan_2035.pdf

- **Avalon Boulevard** is a north-south roadway approximately 0.1 mile west of the school and is classified as an Avenue II. The roadway consists of one travel lane and a Class II (striped) bicycle lane in each direction and a two-way median turn lane.

Intersections

- East 49th Street at McKinley Avenue: 4-way stop
- East 50th Street at McKinley Avenue: 4-way stop
- McKinley Avenue and East 49th Place: 3-way stop

Bicycle and Pedestrian Facilities

The nearest designated bikeways are Class II (striped) bicycle lanes on each side of Avalon Boulevard. Sidewalks are present on each side of all roadways surrounding the school. There are three yellow school-crossing continental crosswalks, two stop signs, and two signed school crossing signs present on the northeast portion of the campus, at the intersections of Avalon Boulevard/East 49th Street and Avalon Boulevard/East 49th Place. Pedestrian and other non-vehicular access to the Campus is currently provided via a nine-foot wide public sidewalk along the streets bordering the Project site.

Transit Service

Transit service to the Project site is provided by the Los Angeles County Metropolitan Authority (Metro), which operates Bus Line 51 along Avalon Boulevard and Bus Line 53 along Central Avenue, approximately 0.1 mile west and 0.25 east of the Project site, respectively. Passenger rail service is provided by the Metro A Line, along Long Beach Avenue. The closest Metro stations to the Project site are Vernon Station, approximately 1.1 mile northeast and the Slauson Station, approximately 1.2 mile southeast of the Project site.

3.2.7.2 PROPOSED PROJECT

Vehicular Access

Student pick-up and drop-off would continue to occur curbside along East 49th Street. Vehicular access to the Campus is currently provided via one driveway along East 49th Street, located on the northwestern portion of the Project. Additional vehicular access entrances are located along East 50th Street, which forms the Project site's southern boundary at the existing parking lot located near the intersection of East 50th Street and McKinley Avenue, and one delivery gate located behind the existing cafeteria. The proposed Project would relocate the existing parking lot from the northwestern portion of the Campus on East 49th Street to the southwestern portion of the Campus on East 50th Street. Vehicular access to the Project site would be provided via two new driveways along East 50th Street.

Pedestrian Access

Pedestrian access to the Campus is currently provided via a public sidewalk along East 49th Street which forms the Project site's northern boundary, near the existing staff parking lot, the main entrance within Administration/Library/Classroom Building, and one additional entrance near the intersection of 49th Street

and McKinley Avenue. Additional pedestrian access entrances are located along East 50th Street, which forms the Project site's southern boundary at the existing Auditorium. Under the proposed Project, the main entrance to the school would remain in its current location within the Administration/Library/Classroom Building located on the northern portion of the Campus.

Parking

The proposed Project would maintain a minimum of 45 parking spaces and relocate the existing staff and visitor parking lot to the southwestern portion of the Campus. Ingress and egress for the parking lot would be from East 50th Street. The proposed parking lot would encompass approximately 16,400 square feet and would include a minimum of 45 parking spaces, including Americans with Disabilities Act (ADA) and two Electric Vehicle (EV) parking spaces. The existing parking lot located at the southeastern portion of the Campus with seven parking stalls would remain.

3.2.8 Construction

Project construction is anticipated to start in the second quarter of 2025 and is expected to take 42 months to complete, with varying levels of intensity of construction activities, which are described below.

- **Site Preparation.** Removal of approximately 27 trees located on the hardscape area in the center of the Campus**.**
- **Demolition.** Three existing buildings, lunch pavilion, and three sheltered corridors would be demolished.
- **Excavation.** Total excavation would be approximately 1,568 cubic yards (CY) (or 2,195 tons) from the Project site[23]. Any soil that is exported or imported must be chemically tested in accordance with specific written procedures, as outlined in LAUSD Specifications Section 01 4524, "Environmental Import/Export Materials Testing".
- **Utility Trenching.** Utility trenches would be excavated. Underground utilities for water and wastewater to the restroom building would connect to existing lines along East 49th Street.
- **Building Construction.** Building construction for the two new buildings.
- **Modernization of existing buildings.** Enhancements to modernize and repair school facilities to improve student health, safety, and educational quality, which would include associated landscape; hardscape; playground and parking improvements; and infrastructure upgrades, to ensure compliance with the Americans with Disabilities Act (ADA), Division of the State Architect (DSA), CEQA, Department of Toxic Substances Control (DTSC), or other local, state, and federal requirements.
- **Architectural Coating.** Painting new and existing buildings.

[23] Ninyo & Moore Geotechnical and Environmental Associates. 2023, August. "Removal Action Work Plan".

- **Asphalt paving and Off-Site Street Work.** Demolition of asphalt play yards and new asphalt for play yard, and parking lot and play yard striping.
- **Finishing and Landscaping.** Finishing and new natural grass playfields.
- Project close out and occupation is anticipated in the second quarter of 2029.

3.2.9 Removal Action Work Plan

A Removal Action Work (RAW) Plan[24] has been prepared for the proposed Project to address the removal of arsenic, lead, and total petroleum hydrocarbon (TPH) impacted soil located within the 49th Street ES. The RAW summarizes the results and recommendations of the Preliminary Environmental Assessment – Equivalent (PEA-E) investigation; provides estimates the surface area and volumes of soil impacted with chemicals of concern; and proposes measures to remove the arsenic, lead, and TPH concentrations in the affected areas of the site to levels below regulatory screening levels for the protection of human health and the environment. The recommendations and removal actions described in the RAW would be implemented during construction activities as part of the proposed Project. The RAW is included in Appendix H of this Initial Study, and further analyzed in Section IX, *Hazards and Hazardous Materials*.

3.3 AGENCY REVIEWS AND APPROVALS

It is anticipated that approval required for the proposed Project would include the review and approval of the agencies listed below as Responsible and Trustee agencies.

3.3.1 Responsible Agencies

A "Responsible Agency" is defined as a public agency other than the lead agency that has discretionary approval power over a project (CEQA Guidelines §15381). The Responsible Agencies, and their corresponding approvals, for individual projects to be implemented as part of the SUP may include the following:

- **California Department of General Services, Division of State Architect (DSA).** Plan review and construction oversight, including structural safety, fire and life safety, and access compliance.
- **California Department of Education, School Facilities Planning Division (CDE).** If LAUSD is requesting modernization funds from the State Allocation Board (SAB) they must have the plans reviewed and approved by the CDE (Education Code Section 17070.50) prior to submitting a funding request. Approval of design for educational appropriateness.
- **California Department of Transportation (Caltrans).** Transportation permit for oversized vehicles on State highways.

[24] Ninyo & Moore Geotechnical and Environmental Associates. 2023, August. "Removal Action Work Plan".

- **State Water Resources Control Board (SWRCB).** Review of Notice of Intent (NOI) to obtain permit coverage; issuance of general permit for discharges of stormwater associated with construction activity; review of Storm Water Pollution Prevention Plan (SWPPP).

- **South Coast Air Quality Management District.** Review and file submittals for Rule 403, Fugitive Dust; Rule 1403, Asbestos Emissions from Demolition/Renovation Activities; Rule 201, Permit to Construct; Rule 1166, Volatile Organic Compound Emissions from Decontamination of Soil, and site-specific soil mitigation plan; and site monitoring.

- **City of Los Angeles, Public Works Department.** Permit for curb, gutter, and utility connection offsite improvements.

- **City of Los Angeles, Fire Department.** Approval of plans for emergency access and emergency evacuation. DSA approval of the fire/life safety portion of a Project requires local fire authority (LFA) review of: elevator/stair access for emergency rescue and patient transport; access roads, fire lane markings, pavers, and gate entrances; fire hydrant location and distribution; and fire flow (location of post indicator valve, fire department connection, and detector check valve assembly).

3.3.2 Trustee Agencies

"Trustee Agencies" include state agencies that that has jurisdiction by law over natural resources affected by a Project, that are held in trust for the people of the State of California. Potential Trustee Agencies for individual projects to be implemented under the SUP may include the following:

State

- California Office of Historic Preservation
- Native American Heritage Commission

3.3.3 Other Reviewing Agency Actions and Approvals

The following agencies would have ministerial review and approvals over the proposed Project:

Regional

- South Coast Air Quality Management District
- Southern California Association of Governments

Local

- City of Los Angeles

4. Environmental Checklist and Analysis

4.1 PROJECT INFORMATION

1. **Project Title:** 49th Street Elementary School Major Modernization Project

2. **Lead Agency Name and Address:**
   Los Angeles Unified School District, Office of Environmental Health and Safety
   333 South Beaudry Avenue, 21st Floor
   Los Angeles, CA 90017

3. **Contact Person and Phone Number:**
   Bryan Ramos Fernandez, AICP, CEQA Project Manager
   (213) 241-1000 ext. 14210

4. **Project Location:** The 5.73-acre District-owned property is at 750 East 49th Street (Assessor's Parcel Number [APN] 5108-011-909 and -910), within the South Park neighborhood, in the City of Los Angeles, County of Los Angeles, California. The Project site is approximately three miles south of Downtown Los Angeles and approximately 1 mile east of Interstate (I-) 110 and 2.3 miles south of I-10.

   The Project site is bounded by East 49th Street to the north, McKinley Avenue to the east, East 50th Street to the south, and residential uses and the 49th Street Park to the west. The Campus's main public entrance is located along East 49th Street.

5. **Project Sponsor's Name and Address:**
   Los Angeles Unified School District
   Office of Environmental Health and Safety
   333 South Beaudry Avenue, 21st Floor
   Los Angeles, CA 90017

6. **General Plan Designation:** Southeast Community Plan, PF (Public Facilities)

7. **Zoning:** PF-1 (Public Facilities), ZI-1231 Specific Plan: South Los Angeles Alcohol Sales, ZI-2374 State Enterprise Zone: Los Angeles, and ZI-2452 Transit Priority Area in the City of Los Angeles

8. **Description of Project:** The District proposes to complete a major modernization project at the 49th Street ES Campus to provide facilities that are safe, secure, and aligned with the instructional program (proposed Project or Project). The Project would demolish three permanent buildings (West Classroom Building, Cafeteria/Lunch Pavilion, and Auditorium), and remove of three sheltered corridors. To replace the structures, the Project would construct a one-story Kindergarten Classroom Building with four Kindergarten classrooms and associated support spaces; a one-story Multi-Purpose Room/Food Services/Library Building; lunch shelter; covered eating area for faculty; two shade structures; and new sheltered corridors. Additionally, the Project would in exterior painting of all existing buildings and

structures to remain, as well as minor interior improvements to convert one existing classroom and the existing library into administrative workrooms. The Project would also include the installation of interim facilities to allow the school to remain operational during construction, including a relocatable kitchen/scramble building and a relocatable restroom building. No change to the school's capacity or total number of classrooms is proposed as part of the Project.

9. Surrounding Land Uses and Setting:
The Campus is predominantly surrounded by single- and multi-family residences. Two public parks owned by the City of Los Angeles, 49th Street Park and McKinley Avenue Park, are adjacent to the Campus.

10. Other Public Agencies Whose Approval Is Required (e.g., permits, financing approval, or participating agreement):

- California Division of the State Architect (DSA);
- City of Los Angeles: Public Works Department
- Fire Department

11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code Section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?

Pursuant to Assembly Bill (AB) 52, Los Angeles Unified School District (LAUSD or District) notified the Native American Tribes/Tribal representatives that are traditionally and culturally affiliated with the Project area. No Native American Tribes have requested consultation with LAUSD, pursuant to Public Resources Code Section 21080.3.1. The LAUSD Office of Environmental Health and Safety sent Project notification on August 25, 2023 to all tribes affiliated within the area as provided by the Native American Heritage Commission.

No requests for consultation were received within the 30-day request period. However, as part of the Program EIR, the LAUSD Board of Education adopted Standard Conditions of Approval (SC-TCR-1 and SC-TCR-2) to protect potential unanticipated discoveries associated with Tribal Cultural Resources.

Note: Conducting consultation early in the CEQA process allows tribal governments, lead agencies, and project proponents to discuss the level of environmental review, identify and address potential adverse impacts to tribal cultural resources, and reduce the potential for delay and conflict in the environmental review process (see Public Resources Code [PRC] Section 21083.3.2). Information may also be available from the California Native American Heritage Commission's Sacred Lands File per PRC Section 5097.94 and the California Historical Resources Information System administered by the California Office of Historic Preservation. Please also note that PRC Section 21082.3(c) has provisions specific to confidentiality.

4. Environmental Checklist and Analysis

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by this Project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

☐ Aesthetics	☐ Hazards & Hazardous Materials	☐ Public Services
☐ Agriculture & Forestry Resources	☐ Hydrology & Water Quality	☐ Recreation
☐ Air Quality	☐ Land Use & Planning	☐ Transportation
☐ Biological Resources	☐ Mineral Resources	☐ Tribal Cultural Resources
☐ Cultural Resources	☐ Noise	☐ Utilities & Service Systems
☐ Energy	☐ Pedestrian Safety	☐ Wildfire
☐ Geology & Soils	☐ Population & Housing	☐ Mandatory Findings of Significance
☐ Greenhouse Gas Emissions		
	☒ None	☐ None with Mitigation Incorporated

DETERMINATION

On the basis of this initial evaluation:

☒ I find that the proposed project could not have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☐ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions on the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature

11/8/2023
Date

Carlos A. Torres
Print Name

CEQA Officer for LAUSD
Title

4.2 EVALUATION OF ENVIRONMENTAL IMPACTS

1. A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.

3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

4. "Negative Declaration: Less Than Significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Than Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from "Earlier Analyses," as described in (5) below, may be cross-referenced).

5. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
   a) Earlier Analysis Used. Identify and state where they are available for review.
   b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
   c) Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.

6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.

7. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.

8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
9. The explanation of each issue should identify:
   a) the significance criteria or threshold, if any, used to evaluate each question; and
   b) the mitigation measure identified, if any, to reduce the impact to less than significance.

4.3 LAUSD STANDARD CONDITIONS

The LAUSD Standard Conditions of Approval for District Construction, Upgrade, and Improvement Projects (SCs) are uniformly applied development standards. The SCs are compiled from established LAUSD standards, guidelines, specifications, practices, plans, policies, and programs, as well as typically applied mitigation measures. The SCs are divided into the LAUSD CEQA environmental topics. For each SC, compliance is triggered by factors such as the project type, existing conditions, and type of environmental impact. Only those SCs that are applicable to the proposed Project area provided in each environmental section below. Compliance with every condition is not required. The LAUSD School Design Guidelines and Design Standards referenced in the SCs are routinely updated, and the most recently adopted version would apply to future projects.

4.4 ENVIRONMENTAL CHECKLIST AND ANALYSIS

ENVIRONMENTAL IMPACTS

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
I. AESTHETICS. Except as provided in Public Resources Code Section 21099[25] would the project:				
a. Have a substantial adverse effect on a scenic vista?	☐	☐	☐	☒
b. Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings, within a state scenic highway?	☐	☐	☐	☒
c. In nonurbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	☐	☐	☐	☒
d. Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☒	☐

EXPLANATION:

LAUSD applies Standard Conditions of Approval (SCs) for minimizing impacts to aesthetic resources. Applicable SCs related to aesthetic resource impacts associated with the proposed Project are provided below:

LAUSD Standard Conditions of Approval	
SC-AE1	LAUSD shall review all designs to ensure that demolition of existing buildings or construction of new buildings on its historic campuses are designed to ensure compatibility with the existing campus. The School Design Guide shall be used as a reference to guide the design. **School Design Guide[19]** This document outlines measures for re-use rather than destruction of historical resources. It requires the consideration of architectural appearance/consistency and other aesthetic factors during the preliminary design review for a proposed school upgrade project. Architectural quality must consider compatibility with the surrounding community.

[25] PRC Section 21099(d) (1) Aesthetic and parking impacts of a residential, mixed-use residential, or employment center project on an infill site within a transit priority area shall not be considered significant impacts on the environment.
(2) (A) This subdivision does not affect, change, or modify the authority of a lead agency to consider aesthetic impacts pursuant to local design review ordinances or other discretionary powers provided by other laws or policies.
(2)(B) For the purposes of this subdivision, aesthetic impacts do not include impacts on historical or cultural resources

SC-AE 2	LAUSD shall review all designs to ensure that methods from the current School Design Guide are incorporated throughout the planning, design, construction, and operation of the Project in order to limit aesthetic impacts. **School Design Guide** This document outlines measures to reduce aesthetic impacts around schools, such as shrubs and ground treatments that deter taggers, vandal-resistant and graffiti-resistant materials, painting, etc.
SC-AE 3	LAUSD shall assess the proposed project's consistency with the general character of the surrounding neighborhood, including, but not limited to, any proposed changes to the density, height, bulk, and setback of new buildings (including stadiums), additions, or renovations. Where feasible, LAUSD shall make appropriate design changes to reduce or eliminate viewshed obstruction and degradation of neighborhood character. Such design changes may include, but are not limited to, changes to the campus layout, height of buildings, landscaping, and/or the architectural style of buildings.
SC-AE 5	LAUSD shall review all designs and test new lights following installation to ensure that adverse light trespass and glare impacts are avoided. **School Design Guide** This document outlines Illumination Criteria, requirements for outdoor lighting and measures to minimize and eliminate glare that may impact pedestrians, drivers and sports teams, and to avoid light trespass onto adjacent properties.
SC-AE 6	The International Dark-Sky Association (IDA) and the Illuminating Engineering Society (IES) Model Lighting Ordinance (MLO) shall be used as a guide for environmentally responsible outdoor lighting. The MLO has outdoor lighting standards that reduce glare, light trespass, and skyglow. The MLO uses lighting zones (LZ) 0 to 4, which allow the District to vary the lighting restrictions according to the sensitivity of the community. The MLO also incorporates the Backlight-Uplight Glare (BUG) rating system for luminaires, which provides more effective control of unwanted light. The MLO establishes standards to: • Limit the amount of light that can be used. • Minimize glare by controlling the amount of light that tends to create glare. • Minimize sky glow by controlling the amount of uplight. • Minimize the amount of off-site impacts or light trespass

Would the proposed Project:

a) Have a substantial adverse effect on a scenic vista?

No Impact. Vistas provide visual access or panoramic views to a large geographic area. The field of view from a vista location can be wide and extend into the distance. Panoramic views are usually associated with vantage points looking out over a section of urban or natural areas that provide a geographic orientation not commonly available. Examples of panoramic views include an urban skyline, valley, mountain range, the ocean, or other water bodies.[26]

[26] City of Los Angeles, 2006, *LA CEQA Thresholds Guide*, Chapter A. http://www.environmentla.org/programs/Thresholds/Complete%20Threshold%20Guide%202006.pdf

4. Environmental Checklist and Analysis

The Project site and surrounding area are flat and developed with urban land uses, including residential, educational, and recreational uses. The existing Campus includes five one-story and one two-story buildings, surface parking, hardcourts, student gathering areas, trees, and landscaping. Although the proposed Project would include the construction of new buildings on the Campus, there are no protected or designated scenic vistas or views in the vicinity of the Project site. Thus, development of the proposed Project would not obscure any scenic vistas. Therefore, no impact would occur and no further analysis is required.

b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

No Impact. There are two officially designated State scenic highways in Los Angeles County: State Route (SR-2), the Angeles Crest Highway, part of the Angeles Crest Scenic Byway, from near La Cañada-Flintridge north to the San Bernardino County line approximately 15 miles north, and a portion of State Route (SR-27), the Topanga Canyon Highway, approximately 18 miles west of the Project site.[27] The new buildings would not be visible from SR-2 or SR-27. Additionally, the Project site is not visible from other eligible roadways in Los Angeles County (including the Arroyo Seco Historic Parkway, SR-1, and SR-210).[28] Thus, proposed Project would not result in impacts to scenic resources within a designated State scenic highway. Therefore, no impact would occur and no further analysis is required.

c) In nonurbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the Project is in an urbanized area, would it conflict with applicable zoning and other regulations governing scenic quality?

No Impact. The Project site is in a fully developed area and surrounded by adjacent residential, recreational, and institutional uses. The Project site is zoned PF-1 (Public Facilities), which allows the use and development of publicly owned land, including public elementary and secondary schools, and no applicable zoning regulations govern scenic quality that affect the Project site. The Project includes demolition of three one-story buildings, and construction of two one-story buildings, along with other Project site and building improvements. The proposed Project would not conflict with regulations governing scenic quality. Additionally, the California Legislature granted school districts the authority to exempt school properties from local zoning requirements, provided the school district complies with the terms of Government Code Section 53094[29]. On February 19, 2019 the LAUSD Board of Exemption Adopted a Resolution to exempt all LAUSD school sites from local land use regulations under Government Code Section 53094[30].

The District would implement SC-AE-1 to ensure that demolition of existing buildings or construction of new buildings on its historic campuses are designed to ensure compatibility with the existing campus; SC-AE-2 to

[27] California Department of Transportation, 2023, California State Scenic Highway System Map. https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aacaa.
[28] California Department of Transportation, 2023, California State Scenic Highway System Map. https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=465dfd3d807c46cc8e8057116f1aacaa.
[29] Government Code Section 53094. https://leginfo.legislature.ca.gov/faces/codes_displaySection.xhtml?lawCode=GOV&sectionNum=53094.
[30] Regular Meeting Stamped Order of Business, Board of Education Report No. 256-18/19. Los Angeles: LAUSD Board of Education, February 19, 2019.

ensure that methods from the current School Design Guide are incorporated throughout the planning, design, construction, and operation of the Project to limit aesthetic impacts; and SC-AE-3 to assess the proposed Project's consistency with the general character of the surrounding neighborhood. Therefore, no impacts to the scenic quality would occur and no further analysis is required.

d) Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?

Less than Significant Impact. The two major causes of light pollution in this urban setting are spill light and glare. Spill light is caused by misdirected light that illuminates areas outside the area intended to be lit. Glare occurs when a bright object is against (or reflects off) a dark background or shiny surface. The Project site is fully developed and in an urban setting. The existing school generates nighttime light from security and parking lot lights and building lights (interior and exterior). Existing sources of significant light come from surrounding land uses and from street lights, vehicle lights, parking lot lights, and building lights.

In compliance with Los Angeles Municipal Code (LAMC) Section 41.40, construction of the proposed Project would occur during daytime hours. Thus, construction of the proposed Project would not require portable nighttime lighting on the Campus during construction activities. Therefore, light and glare impacts during construction of the Proposed Project would be less than significant.

The proposed Project would not significantly increase nighttime lighting on the Project site because the new buildings would replace existing buildings, and the proposed Project would not change the school's current operating hours from 8:00 AM to 2:23 PM, with after-school program uses until 6:00 PM. Furthermore, the proposed Project does not include any new sources of high-intensity nighttime lighting, such as stadium lights. All lights on new buildings and any new site lighting would be focused and directed to reduce spill light and glare off the Project site. The District would implement SC-AE-5, which requires review of all designs and testing of new lights following installation to ensure that adverse light trespass and glare impacts are avoided; and SC-AE-6, which requires the District to use the International Dark-Sky Association (IDA) and the Illuminating Engineering Society (IES) Model Lighting Ordinance (MLO) lighting standards that reduce glare, light trespass, and skyglow. Consequently, new lighting from the proposed Project would not result in adverse nighttime views in the area and the Proposed Project is not anticipated to introduce a new substantial source of glare to the Campus that would adversely affect daytime views in the area. Therefore, light and glare impacts would be less than significant and no further analysis is required.

4. Environmental Checklist and Analysis

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
II. AGRICULTURE AND FORESTRY RESOURCES. In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:				
a. Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☐	☒
b. Conflict with existing zoning for agricultural use, or a Williamson Act Contract?	☐	☐	☐	☒
c. Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220[g]), timberland (as defined by Public Resources Code Section 4526) or timberland zoned Timberland Production (as defined by Government Code Section 51104[g])?	☐	☐	☐	☒
d. Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e. Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

EXPLANATION:

There are no agriculture and forestry resources LAUSD SCs.

Would the proposed Project:

a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

No Impact. The proposed Project would be developed on an existing elementary school campus. The Campus is identified as Urban Built-Up Land by the California Department of Conservation's (DOC's) Important Farmland Finder and is not identified as an area of Prime Farmland, Unique Farmland, or Farmland of Statewide Importance.[31] The Project site is surrounded by residential properties on all four sides and there is

[31] California Important Farmland Finder, 2023, https://maps.conservation.ca.gov/dlrp/ciff/.

no agricultural or farm use on or in the vicinity of the Project site; thus, no Project-related farmland conversion would occur. Therefore, no impact would occur and no further analysis is required.

b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

No Impact. Williamson Act contracts restrict the use of privately owned land to agriculture and compatible open space uses under contract with local governments; in exchange, the land is taxed based on actual use rather than potential market value. The Project site is not subject to a Williamson Act contract, and the existing zoning is PF-1 (Public Facilities),[32] which allows the use and development of publicly owned land, including public elementary and secondary schools. The Project site is eligible to enter into an Urban Agriculture Incentive Zone (UAIZ) contract with the City of Los Angeles under the adopted Urban Agriculture Incentive Zone (UAIZ) Ordinance to implement a local program citywide in accordance with Assembly Bill (AB) 551. The Ordinance allows landowners to enter into a voluntary contract with the City of Los Angeles to use properties for active agricultural purposes in exchange for a potential property tax reduction[33]. However, implementation of the proposed Project would not include agricultural use to the Campus. Thus, the proposed Project would not conflict with agricultural zoning or a Williamson Act contract. Therefore, no impact would occur and no further analysis is required.

c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?

No Impact. The proposed Project's development would not conflict with existing zoning for forest land, timberland, or timberland production. Forest land is defined as "land that can support 10-percent native tree cover of any species, including hardwoods, under natural conditions, and that allows for management of one or more forest resources, including timber, aesthetics, fish and wildlife, biodiversity, water quality, recreation, and other public benefits."[34] Timberland is defined as "land….which is available for, and capable of, growing a crop of trees of any commercial species used to produce lumber and other forest products, including Christmas trees."[35] The Project site is zoned PF-1, for the use and development of public facilities, including schools, and is not zoned for forest land or timberland use.[36] Therefore, no impact would occur and no further analysis is required.

d) Result in the loss of forest land or conversion of forest land to non-forest use?

No Impact. The proposed Project would include the modernization of an existing elementary school Campus within a built-out area, and no significant forest land uses are present on-site nor in the immediate vicinity. No vegetation on-site is cultivated for forest resources, and any existing vegetation is limited to ornamental trees and shrubs. Construction of the proposed Project would not require any changes to the existing environment

[32] City of Los Angeles. Zoning Map. http://zimas.lacity.org/.
[33] City of Los Angeles. Urban Agricultural Incentive Zone (UAIZ) fact sheet. https://planning.lacity.org/odocument/8ad42004-12d8-4338-95d4-d6d41434cc13/FAQ.pdf
[34] California PRC Section 12220(g).
[35] California PRC Section 4526.
[36] City of Los Angeles. Zoning Map. http://zimas.lacity.org/.

that could result in the loss or conversion of forest land to non-forest use. Therefore, no impact would occur and no further analysis is required.

e) Involve other changes in the existing environment, which, due to their location or nature, could result in conversion of Farmland, to nonagricultural use or conversion of forest land to non-forest use?

No Impact. The Project site is completely within a built-out and urbanized area of the City of Los Angeles, and no significant agricultural uses or forest land uses are present on-site nor in the immediate vicinity. There is no mapped important farmland or forest land on or near the Project site, and Project development would not indirectly cause conversion of such land to nonagricultural or non-forest use. Therefore, no impact would occur and no further analysis is required.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
III. AIR QUALITY. Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations.				
Are significance criteria established by the applicable air district available to rely on for significance determinations?		☒ Yes		☐ No
Would the project:				
a. Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☒	☐
b. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	☐	☐	☒	☐
c. Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

Air quality regulatory setting, meteorological conditions, existing ambient air quality in the Project vicinity, and air quality modeling are included as Appendix A to this Initial Study.

EXPLANATION:

LAUSD applies SCs for minimizing impacts to air quality. Applicable SCs related to air quality impacts associated with the Project are provided below.

LAUSD Standard Conditions of Approval	
SC-AQ1	LAUSD shall complete a Health Risk Assessment for new campus locations that would place classrooms or play areas within close proximity (less than 0.25 mile) of existing sources of adverse emissions. LAUSD shall identify all permitted and non-permitted stationary sources, freeways and other busy traffic corridors, railyards, and large agricultural operations within 0.25 mile of the project. Once identified, make a determination about the need for qualitative evaluation, screening level evaluation in accordance with air district specific guidance and tools, or a refined evaluation with air dispersion modeling, to determine the if risks constitute an actual or potential endangerment of public health to persons who would attend or be employed at the school. For freeways and other busy traffic corridors within 500 feet, air dispersion modeling must be used to make the health risk determination (no screening, no qualitative discussion, etc.). The Health Risk Assessment shall comply with 'Air Toxics Health Risk Assessment (HRA)'. This document includes guidance on HRA protocols for permitted, non-permitted, and mobile sources that might reasonably be anticipated to emit hazardous air emissions and result in potential long-term and short-term health impacts to student and staff at the school site.

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	The HRA must find that health risks are below criteria thresholds. If health risks which exceed air district criteria thresholds are identified, the school campus shall be redesigned or relocated to a site farther from the emissions generator.
SC-AQ 2	Construction Contractor shall ensure that construction equipment is properly tuned and maintained in accordance with manufacturer's specifications, to ensure excessive emissions are not generated by unmaintained equipment.
SC-AQ 3	Construction Contractor shall: • Maintain speeds of 15 miles per hour (mph) or less with all vehicles. • Load impacted soil directly into transportation trucks to minimize soil handling. • Water/mist soil as it is being excavated and loaded onto the transportation trucks. • Water/mist and/or apply surfactants to soil placed in transportation trucks prior to exiting the site. • Minimize soil drop height into haul trucks or stockpiles during dumping. • During transport, cover or enclose trucks transporting soils, increase freeboard requirements, and repair trucks exhibiting spillage due to leaks. • Cover the bottom of the excavated area with polyethylene sheeting when work is not being performed. • Place stockpiled soil on polyethylene sheeting and cover with similar material. • Place stockpiled soil in areas shielded from prevailing winds.
SC-AQ4	LAUSD shall analyze air quality impacts: If site-specific review or monitoring data of a school construction project identifies potentially significant adverse regional and localized construction air quality impacts, then LAUSD shall implement all feasible measures to reduce air emissions below the South Coast Air Quality Management District's (SCAQMD) regional and localized significance thresholds. Construction bid contracts shall include protocols that reduce construction emissions during high-emission construction phases from vehicles and other fuel driven construction engines, activities that generate fugitive dust, and surface coating operations. The Construction Contractor shall be responsible for documenting compliance with the identified protocols. Specific air emission reduction protocols include, but are not limited to, the following. <u>Exhaust Emissions</u> • Schedule construction activities that affect traffic flow to off-peak hours (e.g. between 10:00 AM and 3:00 PM). • Consolidate truck deliveries and limit the number of haul trips per day. • Route construction trucks off congested streets, as permitted by local jurisdiction haul routes. • Employ high pressure fuel injection systems or engine timing retardation. • Use ultra-low sulfur diesel fuel, containing 15 ppm sulfur or less (ULSD) in all diesel construction equipment. • Use construction equipment rated by the United States Environmental Protection Agency as having at least Tier 4 (model year 2008 or newest available model) emission limits for engines between 50 and 750 horsepower. • Restrict non-essential diesel engine idle time, to not more than five consecutive minutes. • Use electrical power rather than internal combustion engine power generators.

	• Use electric or alternatively fueled equipment, as feasible. • Use construction equipment with the minimum practical engine size. • Use low-emission on-road construction fleet vehicles. • Ensure construction equipment is properly serviced and maintained to the manufacturer's standards. <u>Fugitive Dust</u> • Apply non-toxic soil stabilizers according to manufacturers' specification to all inactive construction areas (previously graded areas inactive for 10 days or more). • Replace ground cover in disturbed areas as quickly as possible. • Sweep streets at the end of the day if visible soil material is carried onto adjacent public paved roads (recommend water sweepers with reclaimed water). • Install wheel washers where vehicles enter and exit unpaved roads onto paved roads, or wash off trucks and any equipment leaving the site each trip. • Pave unimproved construction roads that have a traffic volume of more than 50 daily trips by construction equipment, and/or 150 daily trips for all vehicles. • Pave all unimproved construction access roads for at least 100 feet from the main road to the project site. • Enclose, cover, water twice daily, or apply non-toxic soil binders according to manufacturers' specifications to exposed piles (i.e., gravel, dirt, and sand) with a 5% or greater silt content. • Suspend all excavating and grading operations when wind speeds (as instantaneous gusts) exceed 25 miles per hour (mph). • Water disturbed areas of the active construction and unpaved road surfaces at least three times daily, except during periods of rainfall. • Limit traffic speeds on unpaved roads to 15 mph or less. • Prohibit fugitive dust activities on days where violations of the ambient air quality standard have been forecast by SCAQMD. • Tarp and/or maintain a minimum of 24 inches of freeboard on trucks hauling dirt, sand, soil, or other loose materials. • Limit the amount of daily soil and/or demolition debris loaded and hauled per day. <u>General Construction</u> • Use ultra-low VOC or zero-VOC surface coatings. • Phase construction activities to minimize maximum daily emissions. • Configure construction parking to minimize traffic interference. • Provide temporary traffic control during construction activities to improve traffic flow (e.g., flag person). • Prepare and implement a trip reduction plan for construction employees. • Implement a shuttle service to and from retail services and food establishments during lunch hours. • Increase distance between emission sources to reduce near-field emission impacts.

The primary air pollutants of concern for which ambient air quality standards (AAQS) have been established are ozone (O_3), carbon monoxide (CO), coarse inhalable particulate matter (PM_{10}), fine inhalable particulate

matter ($PM_{2.5}$), sulfur dioxide (SO_2), nitrogen dioxide (NO_2), and lead (Pb). Areas are classified under the federal and California Clean Air Act as either in attainment or nonattainment for each criteria pollutant based on whether the AAQS have been achieved. The South Coast Air Basin (SoCAB), which is managed by the South Coast Air Quality Management District (South Coast AQMD), is designated nonattainment for O_3, and $PM_{2.5}$ under the California and National AAQS, nonattainment for PM_{10} under the California AAQS, and nonattainment for lead (Los Angeles County only) under the National AAQS.[37]

Furthermore, the South Coast AQMD has identified regional thresholds of significance for criteria pollutant emissions and criteria air pollutant precursors, including VOC, CO, NO_x, SO_X, PM_{10}, and $PM_{2.5}$. Development projects below the regional significance thresholds are not expected to generate sufficient criteria pollutant emissions to violate any air quality standard or contribute substantially to an existing or projected air quality violation. Where available, the significance criteria established by the South Coast AQMD may be relied upon to make the following determinations.

Would the proposed Project:

a) Conflict with or obstruct implementation of the applicable air quality plan?

Less than Significant Impact. The South Coast AQMD adopted the 2022 Air Quality Management Plan (AQMP) on December 2, 2022.[38] Regional growth projections used by South Coast AQMD to forecast future emission levels in the SoCAB are provided by the Southern California Association of Governments (SCAG) and are partially based on land use designations included in city/county general plans.

The proposed Project would redevelop the existing elementary school Campus and would not increase student capacity. Thus, the Project would not substantially affect housing, employment, or population projections within the region. Due to the nature of the Project, it would not result in new long-term employment. Construction activities associated with the Project would result in short-term employment only and would end on completion.

Additionally, as demonstrated in Section III(b), the regional emissions that would be generated by the operational phase of the Project would be less than the South Coast AQMD emissions thresholds and would therefore not be considered by South Coast AQMD to be a substantial source of air pollutant emissions that would have the potential to affect the attainment designations in the SoCAB. Therefore, the Project would not affect the regional emissions inventory or conflict with strategies in the AQMP. Impacts would be less than significant, and no further analysis is required.

[37] California Air Resources Board, 2023, June 16 (accessed), Area Designations Maps/State and National. https://ww2.arb.ca.gov/resources/documents/maps-state-and-federal-area-designations.

[38] South Coast Air Quality Management District, 2022, December. *2022 Air Quality Management Plan.* http://www.aqmd.gov/docs/default-source/clean-air-plans/air-quality-management-plans/2022-air-quality-management-plan/final-2022-aqmp/final-2022-aqmp.pdf?sfvrsn=10.

b) Result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or State ambient air quality standard?

Less than Significant Impact. The following describes Project-related impacts from regional short-term construction activities and regional long-term operation of the Project.

Regional Short-Term Construction Impacts

Construction activities would result in the generation of air pollutants. These emissions would primarily be (1) exhaust from off-road diesel-powered construction equipment, (2) dust generated by construction activities, (3) exhaust from on-road vehicles, and (4) off-gassing of volatile organic compounds (VOCs) from paints and asphalt.

Construction activities associated with the redevelopment of the exiting elementary school are anticipated to disturb 4.3 acres[39] on the Project site. The Project would involve building and asphalt demolition and debris hauling, site preparation, fine grading, building construction, paving, and architectural coating. Construction is anticipated to start in the second quarter of 2025 and would occur intermittently until the second quarter of 2029. Construction emissions were estimated using the California Emissions Estimator Model (CalEEMod), Version 2022.1.1.16[40], and are based on the preliminary construction duration provided by the District. Where specific information regarding Project-related construction activities was not available, construction assumptions were based on CalEEMod defaults. Construction emissions modeling is shown in Table 4, *Maximum Daily Regional Construction Emissions*, and shows maximum daily emissions for VOC, NO_x, CO, SO_2, PM_{10}, and $PM_{2.5}$ from construction-related activities would be less than their respective South Coast AQMD regional significance threshold values. Therefore, air quality impacts from Project-related construction activities would be less than significant. No further analysis is required.

Table 4. Maximum Daily Regional Construction Emissions

Construction Activity	Criteria Air Pollutants (lbs./day) [a,b,c,d]					
	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Demolition (2025)	2	23	21	<1	2	1
Demolition (2026)	2	22	20	<1	2	1
Site Preparation (2026)	3	30	30	<1	10	5
Grading (2026)	2	16	19	<1	5	2
Building Construction (2026)	1	10	14	<1	1	<1
Building Construction (2027)	1	10	14	<1	<1	<1
Building Construction (2028)	1	9	13	<1	<1	<1
Building Construction (2029)	1	9	13	<1	<1	<1

[39] While the disturbed area on the Project site is 4.3 acres, modeling used the total Project site acreage of 5.73 acres for the most conservative emissions estimates.

[40] California Air Pollution Control Officers Association (CAPCOA), 2022, California Emissions Estimator Model (CalEEMod). Version 2022.1.1.14. Developed by: ICF in collaboration with the Sacramento Metropolitan Air Quality Management District

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Table 4. Maximum Daily Regional Construction Emissions

Construction Activity	Criteria Air Pollutants (lbs./day) [a,b,c,d]					
	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Building Construction (2029), Paving, and Architectural Coating	6	16	25	<1	1	1
Maximum Daily Emissions	6	30	30	<1	10	5
South Coast AQMD Regional Threshold	75	100	550	150	150	55
Exceeds Regional Threshold?	No	No	No	No	No	No

Source: CalEEMod, Version 2022.1.1.16

[a] The construction schedule is based on preliminary information provided or confirmed by the LAUSD. Where specific information regarding project-related construction activities was not available, construction assumptions were based on CalEEMod defaults, which are based on construction surveys conducted by South Coast AQMD.

[b] Includes implementation of fugitive dust control measures required by South Coast AQMD under Rule 403, and LAUSD SC-AQ-3, which involves reducing speed limit to 15 miles per hour on unpaved surfaces, replacing ground cover quickly, and street sweeping with Rule 1186–compliant sweepers. Modeling also includes implementation of LAUSD SC-AQ-4, which requires utilization of equipment that meets the United States Environmental Protection Agency (USEPA) Tier 3 emissions standards at minimum.

[c] Includes implementation of LAUSD Standard Conditions of Approval SC-AQ-2, which requires ensuring that construction equipment is properly tuned and maintained. This requirement would further contribute to minimizing generation of criteria air pollutant emissions during construction.

[d] Includes compliance with South Coast AQMD Rule 1113 that requires the use of architectural coatings with VOC content of 50 grams/liter or less for all interior paints.

Long-Term Air Quality

Typical long-term air pollutant emissions are generated by area sources (e.g., landscape fuel use, aerosols, architectural coatings, and asphalt pavement), energy use (natural gas), and mobile sources (i.e., on-road vehicles). The Project would not result in an increase in planned enrollment capacity or staffing and therefore, the Project would not result in an increase in emissions from mobile sources. Therefore, criteria air pollutant emissions from the Project would only come from area and energy sources. As shown in Table 5, *Maximum Daily Regional Operational Emissions*, the Project would not generate emissions that exceed the South Coast AQMD regional significance thresholds. Projects that do not exceed the South Coast AQMD regional significance thresholds would not result in an incremental increase in health impacts in the SoCAB from Project-related increases in criteria air pollutants. In addition, emissions from building energy use would be minimized because the buildings proposed to be demolished were constructed prior to modern building energy codes and would be replaced with newer, more energy-efficient buildings that meet the current California Building and Energy Efficiency Standards. Therefore, impacts on the regional air quality associated with operation of the Project would be less than significant, and no further analysis is required.

Table 5. Maximum Daily Regional Operational Emissions

Source	Criteria Air Pollutants (lbs./day) [a,b,c,d]					
	VOC	NO_X	CO	SO_2	PM_{10}	$PM_{2.5}$
Area	1	<1	1	<1	<1	<1
Energy	<1	<1	<1	<1	<1	<1
Maximum Daily Emissions	1	<1	1	<1	<1	<1
South Coast AQMD Regional Threshold	75	100	550	150	150	55
Exceeds Regional Threshold?	No	No	No	No	No	No

Source: CalEEMod, Version 2022.1.1.16

[a] The construction schedule is based on information provided or confirmed by the LAUSD. Where specific information regarding project-related construction activities was not available, construction assumptions were based on CalEEMod defaults, which are based on construction surveys conducted by South Coast AQMD.

[b] Includes implementation of fugitive dust control measures required by South Coast AQMD under Rule 403, and LAUSD SC-AQ-3, which involves reducing speed limit to 15 miles per hour on unpaved surfaces, replacing ground cover quickly, and street sweeping with Rule 1186–compliant sweepers.

[c] Includes implementation of LAUSD Standard Conditions of Approval SC-AQ-2, which requires ensuring that construction equipment is properly tuned and maintained. This requirement would further contribute to minimizing generation of criteria air pollutant emissions during construction.

[d] Includes compliance with South Coast AQMD Rule 1113 that requires the use of architectural coatings with VOC content of 50 grams/liter or less for all interior paints.

c) Expose sensitive receptors to substantial pollutant concentrations?

Less than Significant Impact. The Project could expose sensitive receptors to elevated pollutant concentrations if it causes or significantly contributes to elevated pollutant concentration levels. Unlike regional emissions, localized emissions are typically evaluated in terms of air concentration rather than mass so they can be more readily correlated to potential health effects.

Construction Localized Significance Thresholds

Localized significance thresholds (LSTs) are based on the California AAQS, which are the most stringent AAQS to provide a margin of safety in the protection of public health and welfare.[41,42] They are designated to protect sensitive receptors most susceptible to further respiratory distress, such as asthmatics, the elderly, very young children, people already weakened by other disease or illness, and people engaged in strenuous work or exercise. The screening-level construction LSTs are based on the size of the Project site, distance to the nearest sensitive receptor, and Source Receptor Area (SRA) 1 – Central Los Angeles. In addition to on-site sensitive receptors, which include students and staff, the nearest off-site sensitive receptors are the single-family residences along East 49th Street to the north and west, McKinley Avenue to the east, and East 50th Street to the south of the Project site (see Figure 4).

Air pollutant emissions generated by construction activities would cause temporary increases in air pollutant concentrations. Table 6, *Localized Construction Emissions*, shows the maximum daily construction emissions (pounds per day) generated during on-site construction activities compared with the South Coast AQMD's screening-level LSTs, for sensitive receptors within 82 feet (25 meters). As shown in the table, construction of

[41] South Coast Air Quality Management District (South Coast AQMD). 2008, June. Final Localized Significance Threshold Methodology. http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/localized-significance-thresholds.

[42] South Coast AQM7D. 2011. Fact Sheet for Applying CalEEMod to Localized Significance Thresholds http://www.aqmd.gov/docs/default-source/ceqa/handbook/localized-significance-thresholds/caleemod-guidance.pdf.

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the Project would not generate construction-related on-site emissions that would exceed the screening-level LSTs. Thus, Project-related construction activities would not have the potential to expose sensitive receptors to substantial pollutant concentrations. Localized air quality impacts from construction activities would be less than significant. No further analysis is required.

Table 6. Localized Construction Emissions

Construction Activity	Pollutants (lbs./day) [a,b,c,d]			
	NO_X	CO	PM_{10}	$PM_{2.5}$
Demolition (2025)	22	20	1.70	0.94
Demolition (2026)	21	19	1.62	0.88
South Coast AQMD ≤1.00-acre LST	74	680	5.00	3.00
Exceeds LST?	No	No	No	No
Building Construction (2026)	10	13	0.38	0.35
Building Construction (2027)	9	13	0.34	0.31
Building Construction (2028)	9	13	0.30	0.28
Building Construction (2029)	9	13	0.28	0.25
Building Construction (2029), Paving, and Architectural Coating	16	24	0.53	0.48
South Coast AQMD 1.31-acre LST	85	795	5.93	3.62
Exceeds LST?	No	No	No	No
Grading (2026)	15	17	4.18	2.01
South Coast AQMD 2.50-acre LST	117	1,183	9.33	5.50
Exceeds LST?	No	No	No	No
Site Preparation (2026)	29	29	9.98	5.19
South Coast AQMD 3.50-acre LST	135	1,454	11.99	6.50
Exceeds LST?	No	No	No	No

Source: CalEEMod Version 2022.1.1.16.

Notes: The LST Methodology uses lookup tables based on site acreage to determine emissions for CEQA purposes. The acreage disturbed is the maximum daily disturbed acreage determined using the equipment mix for the different construction activities for this project. In accordance with South Coast AQMD methodology, only on-site stationary sources and mobile equipment occurring on the construction site are included in the analysis. LSTs are based on receptors within 82 feet (25 meters) of the school in Source Receptor Area (SRA) 1.

a The construction schedule is based on preliminary information provided or confirmed by the District. Where specific information regarding project-related construction activities was not available, construction assumptions were based on CalEEMod defaults, which are based on construction surveys conducted by South Coast AQMD.

b Includes implementation of fugitive dust control measures required by South Coast AQMD under Rule 403, and LAUSD SC-AQ-3, which involves reducing speed limit to 15 miles per hour on unpaved surfaces, replacing ground cover quickly, and street sweeping with Rule 1186–compliant sweepers. Modeling also includes implementation of LAUSD SC-AQ-4, which requires utilization of equipment that at least meets the United States Environmental Protection Agency (USEPA) Tier 3 emissions standards at minimum.

c Includes implementation of LAUSD Standard Conditions of Approval SC-AQ-2, which requires ensuring that construction equipment is properly tuned and maintained. This requirement would further contribute in minimizing generation of criteria air pollutant emissions during construction.

d Includes compliance with South Coast AQMD Rule 1113 that requires the use of architectural coatings with VOC content of 50 grams/liter or less for all interior paints.

Construction Emission Health Risk

Whenever a project would require 1) the use of chemical compounds that have been identified in South Coast AQMD Rule 1401, 2) the use of chemical compounds placed on CARB's air toxics list pursuant to Assembly Bill 1807 (AB 1807), Air Contaminant Identification and Control Act (1983), or 3) the use of chemical compounds placed on the EPA's National Emissions Standards for Hazardous Air Pollutants, a health risk assessment is required by the South Coast AQMD. The District will apply SC-AQ-4, which has 32 distinct requirements that overall reduces construction emissions, exhaust emissions, and fugitive dust.

Toxic Air Contaminants (TACs)

According to SCAQMD methodology, health effects from TACs are usually described in terms of "individual cancer risk". "Individual Cancer Risk" is the likelihood that a person exposed to concentrations of toxic air contaminants over a 70-year lifetime will contract cancer, based on the use of standard risk-assessment methodology. Given the relatively limited number of heavy-duty construction equipment, the varying distances that construction equipment would operate to the nearby sensitive receptors, and the short-term construction schedule, the proposed Project would not result in a long-term (i.e., 70 years) substantial source of toxic air contaminant emissions and corresponding individual cancer risk.

The proposed Project is anticipated to be completed in approximately 42 months, which would limit the exposure to onsite and offsite receptors. Furthermore, construction activities would be intermittent and would not generate onsite exhaust emissions that would exceed the screening-level construction LSTs. South Coast AQMD does not require the evaluation of long-term excess cancer risk or chronic health impacts for a short-term project.

Due to the limited scale and the short duration of construction activities, the proposed Project would not expose sensitive receptors to substantial pollutant concentrations during construction. Thus, construction emissions would not pose a health risk to onsite and offsite receptors, and project-related construction health impacts would be less than significant.

Operation

Localized Significance Thresholds

Operation of the Project would not generate substantial emissions from on-site stationary sources. Land uses that have the potential to generate substantial stationary sources of emissions include industrial land uses, such as chemical processing and warehousing operations where truck idling would occur on-site and would require a permit from South Coast AQMD. The Project does not fall within these categories of uses. While operation of the new buildings would use standard on-site mechanical equipment, such as heating, ventilation, and air conditioning (HVAC), air pollutant emissions would be nominal. Localized air quality impacts related to operation-related emissions would be less than significant. No further analysis is required.

Carbon Monoxide Hotspots

Vehicle congestion has the potential to create pockets of CO called hotspots. Hotspots are typically produced at intersections, where traffic congestion is highest because vehicles are backed-up and idle for longer periods and are subject to reduced speeds. These pockets could exceed the State one-hour standard of 20 parts per

million (ppm) or the eight-hour standard of 9.0 ppm. Because CO is produced in greatest quantities from vehicle combustion and does not readily disperse into the atmosphere, adherence to ambient air quality standards is typically demonstrated through an analysis of localized CO concentrations.

The SoCAB has been designated attainment under both the national and California AAQS for CO. Under existing and future vehicle emission rates, a project would have to increase traffic volumes at a single intersection to more than 44,000 vehicles per hour—or 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited—to generate a significant CO impact.[43] As the Project would not result in an increase in student capacity, the Project would not generate additional peak-hour trips. Therefore, implementation of the Project would not have the potential to substantially increase CO hotspots at intersections in the vicinity of the Project site. Operational impacts would be less than significant, and no further analysis is required.

d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

Less than Significant Impact. The Project would not result in other emissions, such as odors. The threshold for odor is if a project creates an odor nuisance pursuant to South Coast AQMD Rule 402, Nuisance.

The type of facilities that are considered to have objectionable odors include wastewater treatments plants, compost facilities, landfills, solid waste transfer stations, fiberglass manufacturing facilities, paint/coating operations (e.g., auto body shops), dairy farms, petroleum refineries, asphalt batch plants, chemical manufacturing, and food manufacturing facilities. The Project involves the redevelopment of an elementary school and would not fall within the objectionable odors land uses or generate odors different than what is already generated on-site. Emissions from construction equipment, such as diesel exhaust and VOCs from architectural coatings and paving activities may generate odors. However, these odors would be low in concentration, temporary, and would not affect a substantial number of people. Odor impacts would be less than significant. Therefore, other emissions (such as those leading to odors) would be less than significant, and no further analysis is required.

[43] Bay Area Air Quality Management District (BAAQMD), 2023, May, *California Environmental Quality Act Air Quality Guidelines*. https://www.baaqmd.gov/plans-and-climate/california-environmental-quality-act-ceqa/updated-ceqa-guidelines.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
IV. BIOLOGICAL RESOURCES. Would the project:				
a. Have a substantial adverse effect, either directly or through habitat modification, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☐	☐	☒
b. Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☐	☐	☒
c. Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒
d. Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☐	☒	☐
e. Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☐	☒
f. Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☐	☐	☒

The analysis in this section is based in part on the *49th Street Elementary School Tree Report* prepared by Carlberg Associates, dated July 29, 2022. A complete copy of this report is included as Appendix C to this Initial Study.[44]

EXPLANATION:

LAUSD applies SCs for minimizing impacts to biological resources. Applicable SCs related to biological resources impacts associated with the proposed Project are provided below.

LAUSD Standard Conditions of Approval	
SC-BIO 3	LAUSD shall comply with the following specifications related to bird and bat nesting sites. Project activities (including, but not limited to, staging and disturbances to native and non-native vegetation, structures, and substrates[21]) should occur outside of nesting season to avoid take of birds, bats, or their eggs.[22]

[44] Carlberg Associates, 2022, July, *City of Los Angeles Tree Report – 49th Street Elementary School*. Included as Appendix C to this Initial Study.

4. Environmental Checklist and Analysis

	Bird Surveys - Construction Demolition or Vegetation Removal in or adjacent to Native Habitat • For construction projects occurring in or adjacent to native habitat, a qualified LAUSD nesting bird Surveyor or qualified Biologist (Surveyor/Biologist) may determine that additional surveys are required outside of the breeding and nesting season (February 1st through August 31st, beginning January 1st for raptors) to determine if protected birds occupy the area (e.g., project site is adjacent to areas with suitable habitat for Southwestern willow flycatcher). • If avoidance of the avian breeding season is not feasible, beginning 30 days prior to the initiation of the project activities, the Surveyor/Biologist with experience conducting nesting bird surveys shall conduct weekly bird surveys to detect protected native birds occurring in suitable nesting habitat that is to be disturbed and (as access to adjacent areas allows) any other such habitat within 300 feet of the disturbance area (within 500 feet for raptors). The surveys shall continue on a weekly basis with the last survey being conducted no more than three days prior to the initiation of project activities. In areas that contain suitable habitat for listed species, species-specific surveys shall be conducted by a qualified Biologist authorized by the regulatory agencies. If a protected bird is observed, additional protocol-level surveys may be required to determine if the sighting was a transient individual or if the site is used as nesting habitat for that species. Project activities shall be delayed until there is a final determination. If an active nest is located, project activities within 300 feet of the nest (within 500 feet for raptor nests), or as determined by the Surveyor/Biologist shall be delayed until the nest is vacated and juveniles have fledged and there is no evidence of a second attempt at nesting. Flagging, stakes, and/or construction fencing shall be used to demarcate the boundary of the 300- or 500-foot buffer between the project activities and the nest or tree. Project personnel, including all Construction Contractors working on site, shall be instructed on the sensitivity of the area. Protective measures shall be documented to show compliance with applicable State and Federal laws pertaining to the protection of birds. If the Surveyor/Biologist determines that a narrower buffer between the project activities and active nests is warranted, a written explanation for the change shall be submitted to the LAUSD OEHS CEQA Project Manager. If approved, the Surveyor/Biologist can reduce the demarcated buffer. A Surveyor/Biologist shall be present on site during all grubbing and clearing of vegetation to ensure that these activities remain outside the demarcated buffer and that the flagging, stakes, and/or construction fencing are maintained, and to minimize the likelihood that active nests are abandoned or fail due to project activities. The Monitor shall send weekly monitoring reports to LAUSD OEHS CEQA Project Manager during the grubbing and clearing of vegetation, and shall notify LAUSD immediately if project activities damage avian nests. Bird Surveys - Construction, Demolition, or Vegetation Removal at Existing Campuses • If avoidance of the avian breeding season is not feasible, the Surveyor/Biologist with survey experience shall conduct a nesting bird surveys to determine if active nests are within or adjacent to the work area. • The survey shall be conducted no more than 3 days prior to construction activities. A memo describing results of the survey shall be submitted to the OEHS CEQA Project Manager.

	• If an active bird nest is observed, the Surveyor/Biologist shall determine the appropriate buffer around the nest. Buffers are determined on species-specific requirements and nest location. • The Monitor shall send weekly monitoring reports to LAUSD OEHS CEQA Project Manager. • No construction activity shall occur within the buffer zone until nest is vacated, juveniles have fledged, and there is no evidence of a second attempt at nesting. Bat Surveys • Bat species inventories and habitat use studies shall be completed for demolition or new construction projects in native habitat as well as projects that require the removal of mature conifer, cottonwood, sycamore or oak trees or abandoned buildings. • Bat surveys must be conducted by a qualified bat Surveyor or Biologist (Surveyor/Biologist). The Surveyor/Biologist shall use the appropriate combination of structure inspection, sampling, exit counts, and acoustic monitors to survey an area that may be affected by the project. • If bats are found, the Surveyor/Biologist shall identify the species and evaluate the colony to determine potential impacts. • Mitigation measures shall be determined on a project-specific basis and may include: • Avoidance o Humane exclusion prior to demolition ▪ Bats should not be evicted from roost sites during the reproductive period (May-September), or during winter hibernating periods to avoid direct mortality ▪ Bats should be flushed from trees prior to felling or trimming. Off-site habitat improvements shall be conducted in coordination with the California Department of Fish and Wildlife.

Would the proposed Project:

a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

No Impact. Sensitive biological resources are habitats or species that have been recognized by federal, State, and/or local agencies as endangered, threatened, rare, or in decline throughout all or part of their historical distribution. The Project site is fully developed with an active elementary school and is surrounded by urban development uses. Vegetation on the Project site is limited to ornamental school trees and shrubs. There is no native habitat and no suitable habitat for threatened, endangered, or rare species on or near the site.[45,46] Therefore, no impact would occur and no further analysis is required.

[45] California Department of Fish and Wildlife Lands Viewer, 2023, https://apps.wildlife.ca.gov/lands/

[46] U.S. Fish and Wildlife Critical Habitat Map, 2023, https://www.arcgis.com/apps/mapviewer/index.html?layers=794de45b9d774d21aed3bf9b5313ee24

b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

No Impact. The Project site is fully developed, consisting of an operational existing elementary school. The U.S. Fish and Wildlife Service (USFWS) manages the National Wetlands Inventory (NWI), a digital Wetlands Mapper with vetted data to represent current information on wetlands, riparian, and deep-water habitats.[47] The Project site is not within an adopted habitat conservation plan, natural community conservation plan, or similar plan. the Project site is not within a significant ecological area, land trust, or conservation plan.[48] There is no present riparian habitat present in or near the Project site.[49] Therefore, no impact would occur and no further analysis is required.

c) Have a substantial adverse effect on State or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

No Impact. Wetlands are defined under the federal Clean Water Act as land that is flooded or saturated by surface water or groundwater at a frequency and duration sufficient to support, and that normally does support, a prevalence of vegetation adapted to life in saturated soils. Wetlands include areas such as swamps, marshes, and bogs. According to the USFWS's NWI, there are no wetlands near or within the Project site. The nearest wetland to the Project site is the Los Angeles River, which is a 333.26-acre Riverine habitat approximately 2.5 miles northeast of the Project site.[50] The proposed Project would not impact any protected wetland areas. No impact would occur and no further analysis is required.

d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Less than Significant Impact. The Project site is surrounded by fencing and developed with buildings, asphalt, concrete surfaces, and small landscaped areas. The Project site does not have any native habitat and is not available for overland animal movement as a wildlife corridor. However, according to the Tree Inventory Report prepared for the proposed Project (see Appendix C), 57 trees of various species, sizes, and maturity are spread throughout the Project site,[51] which may provide nesting sites for resident or migratory birds. The Project would require the removal of approximately 27 trees as part of the Project demolition phase. Project construction near trees and structures may result in disturbances to birds during nesting season. Migratory

47 U.S. Fish and Wildlife Services (USFWS), 2023. National Wetlands Inventory. https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/
48 Los Angeles County Department of Regional Planning, Significant Ecological Area GIS Map, 2023, https://egis-lacounty.hub.arcgis.com/datasets/lacounty::significant-ecological-area-sea/about
49 California Department of Fish and Wildlife, 2023, https://gis.data.ca.gov/datasets/d0b55ff0c29a48b2b615852c40322d5b/explore?location=34.005978%2C-118.218320%2C13.23
50 U.S. Fish and Wildlife Services (USFWS), 2023. National Wetlands Inventory. https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/
51 Carlberg Associates, 2022, July, *City of Los Angeles Tree Report – 49th Street Elementary School.* Included as Appendix C to this Initial Study.

nongame native bird species are protected by the California Fish and Game Code, Sections 3503, 3503.5, and 3513, which prohibits the take of all birds and their active nests, including raptors and other migratory nongame birds.

LAUSD would comply with the California Fish and Game Code and would implement SC-BIO-3, which would ensure that if construction occurs during the avian breeding season, appropriate measures would be taken to avoid impacts to nesting birds. With implementation of these laws, regulations, and the standard condition, impacts to nesting birds would be less than significant and no further analysis is required.

e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

Less than Significant Impact. The Project site is within an entirely developed area surrounded by residential and recreational developments within the City of Los Angeles. According to the Tree Inventory Report prepared for the proposed Project, there are 57 trees on the Project site, all of which are located within the 49th Street ES Campus on District-owned property and are not in the public right-of-way or considered trees within the jurisdiction of the City of Los Angeles[52]. The Project site contains seven coast live oak trees, which are protected species by the City of Los Angeles' Tree Preservation Ordinance No. 186873. Protected trees and shrubs as set forth in the Ordinance are coast live oak, western sycamore, Southern California black walnut, California bay laurel, Mexican elderberry and toyon with trunk diameters (measured at 4.5 feet above grade) of 4 inches or greater. The Project site contains 37 private property trees considered 'significant', which is defined in the Ordinance as a tree trunk with a diameter size of eight inches and greater[53].

Although the proposed Project would not require the removal of any protected trees on the Project site, construction would require the implementation of SC-BIO-4 for the removal of approximately 27 total trees. SC-BIO-4 requires that all tree trimming and removal conducted on District property adhere to the procedures described in the LAUSD OEHS Tree Trimming and Removal Policy. This policy ensures the management of District trees while ensuring that District activities will not conflict with locally adopted tree preservation policies and ordinances.[54] Final design of the proposed Project would include a landscape plan that would identify the number, location, and type of replacement trees to be provided. New canopy and accent trees would be installed to increase canopy coverage and provide shade while complimenting the aesthetics of hardscape areas throughout the Campus.

Additionally, the California Legislature granted school districts the authority to exempt school properties from local zoning requirements, provided the school district complies with the terms of Government Code Section 53094[55]. On February 19, 2019 the LAUSD Board of Exemption Adopted a Resolution to exempt all LAUSD

[52] Carlberg Associates. 2022, July, City of Los Angeles Tree Report – 49th Street Elementary School. Carlberg Associates. Included as Appendix C to this Initial Study.
[53] Carlberg Associates, 2022, July, City of Los Angeles Tree Report – 49th Street Elementary School. Carlberg Associates. Included as Appendix C to this Initial Study.
[54] LAUSD Tree Trimming and Removal Procedure. https://www.lausd.org/cms/lib/CA01000043/Centricity/Domain/135/LAUSD_Tree_Protection.pdf
[55] Government Code Section 53094. https://leginfo.legislature.ca.gov/faces/codes_displaySection.xhtml?lawCode=GOV&sectionNum=53094.

school sites from local land use regulations under Government Code Section 53094[56]. Therefore, the proposed Project would not conflict with local policies or ordinances protecting biological resources, and impacts would be less than significant. No mitigation or further study is required.

f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan?

No Impact. The Project site is not within an adopted habitat conservation plan (HCP), natural community conservation plan (NCCP), or similar plan.[57] The closest area protected by an HCP or NCCP is the Rancho Palos Verdes NCCP/HCP, which is 15.5 miles southwest of the Project site.[58] Therefore, no impact would occur and no further analysis is required.

[56] Regular Meeting Stamped Order of Business, Board of Education Report No. 256-18/19. Los Angeles: LAUSD Board of Education, February 19, 2019.
[57] California Department of Fish and Wildlife (CDFW), 2023, https://wildlife.ca.gov/Conservation/Planning/NCCP/Plans
[58] CDFW, 2023, CCP Plan Summary – Rancho Palos Verdes NCCP/HCP, https://wildlife.ca.gov/Conservation/Planning/NCCP/Plans/Rancho-Palos-Verdes

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
V. CULTURAL RESOURCES: Would the project:				
a. Cause a substantial adverse change in significance of a historical resource pursuant to CEQA Guidelines, Section 15064.5?	☐	☐	☒	☐
b. Cause a substantial adverse change in significance of an archaeological resource pursuant to CEQA Guidelines, Section 15064.5?	☐	☐	☒	☐
c. Disturb any human remains, including those interred outside of dedicated cemeteries?	☐	☐	☒	☐

The analysis in this section is based on the *Historic Resource Evaluation Report (HRER) for 49th Street Elementary School*, prepared by Historic Resources Group, dated June 2022. A complete copy of these reports are included as Appendix D to this Initial Study.[59, 60]

EXPLANATION:

LAUSD applies SCs for minimizing impacts to cultural resources. Applicable SCs related to cultural resources impacts associated with the proposed Project are provided below.

LAUSD Standard Conditions of Approval	
SC-CUL1	**Historic Architect** For projects involving structural upgrades to historic resources, the Design Team shall include a qualified Historic Architect with demonstrated project-level experience in historic projects. For campuses with qualifying historical resources under CEQA, the Design Team shall include a LAUSD-qualified Historic Architect. The Historic Architect/s shall meet the Secretary of the Interior's Professional Qualifications Standards and the standards described on page 8 of the LAUSD Design Guidelines and Treatment Approaches for Historic Schools. Throughout the project design progress the Historic Architect shall provide input to ensure compliance with the Secretary of the Interior's Standards for the Treatment of Historic Properties and LAUSD requirements and guidelines for the treatment of historical resources. Role of the Historic Architect The tasks of the Historic Architect on the Design Team shall include, but are not limited to: • The Historic Architect shall work with the Design Team (including the Structural Engineer) and LAUSD to ensure that project components, including new construction and modernization of existing facilities, comply with the Secretary of the Interior's Standards for the Treatment of Historic Properties and LAUSD Design Guidelines and Treatment Approaches for Historic Schools. The Historic Architect shall work with the Design Team and LAUSD throughout the design process to

[59] Historic Resources Group, 2022, June. *Historic Resource Evaluation Report (HRER) for 49th Street Elementary School.*
[60] Historic Resources Group, 2023, August. *49th Street Elementary School Historic Resources Technical Report.*

	develop project options that facilitate compliance with the applicable historic preservation standards. • For new construction, the Historic Architect shall work with the Design Team and LAUSD to identify options and opportunities for: (1) ensuring compatibility of scale and character for new construction, site and landscape features, and circulation corridors, and (2) ensuring that new construction is designed and sited in such a way that reinforces and strengthens, as much as feasible, character-defining site plan features, landscaping, and circulation corridors throughout campus. • For modernization and upgrade projects involving contributing (significant) buildings or features, the Historic Architect shall work with the Design Team and LAUSD to ensure that specifications for design and implementation of projects comply with the applicable historic preservation standards. • The Historic Architect shall participate in Design Team meetings during all phases of the project through 100% construction drawings, pre-construction, and construction phases, as applicable. • The Historic Architect shall prepare a memo at the 50% and at the 100% construction drawings stages, demonstrating how principal project components and treatment approaches comply with applicable historic preservation standards, including the Secretary of the Interior's Standards for the Treatment of Historic Properties and LAUSD Design Guidelines and Treatment Approaches for Historic Schools. The memos shall be submitted to LAUSD OEHS for review. • The Historic Architect shall participate in pre-construction and construction monitoring activities, as appropriate, to ensure continuing conformance with Secretary's Standards and/or avoidance of a material impairment of the historical resources. • The Historic Architect shall provide specifications for architectural features or materials requiring restoration or removal, maintaining and protecting relevant features in place, or on-site storage. Specifications shall include detailed drawings or instructions where historic features may be impacted. • The Design Team and Historic Architect shall be responsible for incorporating LAUSD's recommended updates and revisions during the design development and review process.
SC-CUL2	LAUSD shall follow the guidelines outlined in these documents to the maximum extent practicable when planning and implementing projects and adjacent new construction involving historical resources. The Design Team, Historic Architect, and Construction Contractor shall apply LAUSD School Design Guide and LAUSD Design Guidelines and Treatment Approaches for Historic Schools and the Secretary's Standards for all new construction and modernization projects. In keeping with the District's adopted policies and goals, historical resources shall be reused rather than destroyed, where feasible. General guidelines include: • Retain and preserve the character of historic resources. • Repair rather than remove, replace, or destroy character-defining features; if replacement is necessary, replace in-kind to match materials, dimensions, and appearance. • Treat distinctive architectural features or examples of skilled craftsmanship that characterize a building with sensitivity. • Where practical, conceal reinforcement required for structural stability or the installation of life safety or mechanical systems.

	Where necessary to halt deterioration and after the preparation of a condition assessment, undertake surface cleaning, preparation of surfaces, and other projects involving character-defining features using the least invasive, gentlest means possible. Avoid using any abrasive materials or methods including sandblasting and chemical treatments.
SC-CUL4	Prior to significant alteration or demolition of a historical resource, LAUSD shall retain an Architectural Photographer and/or a Historian or Architectural Historian who meet the Secretary of the Interior's Professional Qualifications Standards and who shall prepare a HABS-like Historic Documentation Package (Package). The Package shall include photographs and descriptive narrative. Documentation will draw upon primary- and secondary-source research including available studies prepared for the property (measured drawings are not required). The specifications for the Package include: • **Photographs:** Photographic documentation shall focus on the historical resources/features proposed to be significantly altered or demolished, with overview and context photographs for the campus and adjacent setting. A professional-quality camera will be used to take photographs of interior and exterior features of the buildings. Photographs will include context views, elevations/exteriors, architectural details, overall interiors, and interior details (if warranted). Digital photographs will be in black and white (as well as in color or as requested by the District) and provided in an electronic format. • **Descriptive and Historic Narrative:** The Historian or Architectural Historian shall prepare descriptive and historic narrative of the historical resources/features. Physical descriptions will detail each resource, elevation by elevation, with accompanying photographs and information on how the resource fits within the broader campus during its period of significance. The historic narrative will include available information on the campus design, history, architect/contractor/designer as appropriate, history of the area, and historic context. In addition, the narrative will include a methodology section specifying the name of researcher, date of research, and sources/archives visited, as well as a bibliography. Within the written history, statements shall be footnoted as to their sources, where appropriate. • **Historic Documentation Package Submittal:** Upon completion of the descriptive and historic narrative, all materials will be compiled in electronic format and presented to LAUSD for review and comment. Upon approval, one electronic copy and one hard copy shall be submitted to LAUSD OEHS. Photographs will be individually labeled and provided to LAUSD in electronic format.
SC-CUL8	Cultural resources sensitivity training shall be conducted for all construction workers involved in ground-disturbing activities. This training shall review the types of archaeological resources that might be found, along with laws for the protection of resources and shall be included in a worker's environmental awareness program that is prepared by LAUSD with input from a qualified Archaeologist, as needed.
SC-CUL9	LAUSD shall determine whether it is feasible to prepare and implement a Phase III Data Recovery/Mitigation Program. If feasible, the Archaeologist shall prepare a Phase III Data Recovery/Mitigation Program to outline procedures to recover a statistically valid sample of the archaeological remains and to document the site and reduce impacts to be less than significant. All documentation shall be prepared in the standard format of the ARMR Guidelines, as prepared by the OHP. Once a Phase III Data Recovery/Mitigation Program is completed, an Archaeological Monitor shall be present to oversee the ground-disturbing activities to ensure that construction proceeds in accordance with the Program.

4. Environmental Checklist and Analysis

SC-CUL10	All work shall stop within a 30foot radius of the discovery. Work shall not continue until the discovery has been evaluated by a qualified Archaeologist and the local Native American representative has been contacted and consulted to assist in the accurate recordation and recovery of the resources.

Would the proposed Project:

a) Cause a substantial adverse change in the significance of a historical resource pursuant to CEQA Guidelines Section 15064.5?

Less than Significant Impact. Section 15064.5 defines historic resources as resources listed or determined to be eligible for listing by the State Historical Resources Commission, a local register of historical resources, or the lead agency. Federal, State, and local requirements regarding the definition of historical resources are described in this section.

Federal. The National Historic Preservation Act of 1966, as amended, defines the criteria to be considered eligible for listing in the National Register of Historic Places (National Register):

> The quality of significance in American history, architecture, archeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:
>
> A. That are associated with events that have made a significant contribution to the broad patterns of our history; or
>
> B. That are associated with the lives of persons significant in our past; or
>
> C. That embody distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
>
> D. That have yielded, or may be likely to yield, information important in prehistory or history (36 Code of Federal Regulations [CFR] Section part 63).

State. Section 5024.1(c), Title 14 of the California Code of Regulations (CCR), Section 4852 of the California Public Resources Code defines the criteria to be considered eligible for listing in the California Register of Historical Resources (California Register):

> A resource may be listed as an historical resource in the California Register if it meets any of the following [National Register] criteria:
>
> 1. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
>
> 2. Is associated with the lives of persons important in our past;

3. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or

4. Has yielded, or may be likely to yield, information important in prehistory or history.

Local. Historic-Cultural Monument - Section 22.171.7 of the City Cultural Heritage Ordinance defines a Historic-Cultural Monument (HCM):

> For purposes of this article, a Historic-Cultural Monument (HCM) is any site (including significant trees or other plant life located on the site), building or structure of particular historic or cultural significance to the City of Los Angeles. A proposed Monument may be designated by the City Council upon the recommendation of the Commission if it meets at least one of the following criteria:
>
> 1. Is identified with important events of national, state, or local history, or exemplifies significant contributions to the broad cultural, economic, or social history of the nation, state, city or community;
>
> 2. Is associated with the lives of historic personages important to national, state, city, or local history; or
>
> 3. Embodies the distinctive characteristics of a style, type, period, or method of construction; or represents a notable work of a master designer, builder, or architect whose individual genius influenced his or her age.

The 49th Street Elementary School Campus was constructed in the early 1910s, and the school was dedicated in 1914. The Campus initially consisted of one main building near McKinley Avenue and two smaller classrooms near the west side of the Campus. In 1923, a two-story brick building (West Building) was also constructed on the Campus (altered in 1935). Following the 1933 Long Beach Earthquake, the District decided to modernize 49th Street ES, which resulted in the demolition of the original main building on the Campus. In 1935, the construction of two new buildings (Main Building and South Building) was completed and the reconstruction of a one-story school building (West Building) was completed. In 1936, the school's one-story Auditorium Building was developed. The Administration, Library, and Classroom building was constructed in 1965, and in 1969, an addition was added to the west of the building (Classroom Building), and the new Cafeteria/Lunch Pavilion was constructed that same year.

As shown in Figure 5, *49th Street Elementary School Potential Historic District*, a single potential historic district was identified at 49th Street Elementary School with a period of significance from 1935 to 1936. The potential historic district was found eligible for listing in the National Register (Criteria A and C) and California Register (Criteria 1 and 3), and for designation as a City of Los Angeles HCM under Criteria 1 and 3. The potential historic district consists of four contributing buildings and three contributing sheltered corridors with a period of significance from 1935 to 1936, which include the following:

- Main Building (constructed 1935)
- West Building (constructed 1923)
- South Building (constructed 1935)

- Auditorium Building (constructed 1936)
- The sheltered corridors connecting the Main Building and the West Building (sheltered corridor No. 1); the Main Building and the South Building (sheltered corridor No. 2); and the South Building and the Auditorium (sheltered corridor No. 3) are also considered contributors to the potential historic district.

The potential historic district is historically significant as a grouping of school buildings representative of post-Long Beach earthquake school planning and requirements as well as representing the PWA Moderne architectural style. Table 7, *Potential Historic District*, and Figure 5 in Section 2 indicate each building on the Project site, the year of construction, building integrity (ability to convey its historical significance), and its relation to the potential historic district. No buildings on the Project site are individually eligible historic resources.

Table 7. Potential Historic District

Feature Name	Year Built	Integrity	Status
Buildings			
West Building	1923	Good	Contributor
Main Building	1935	Good	Contributor
South Building	1935	Good	Contributor
Auditorium Building	1936	Good	Contributor
Administration, Library, and Classroom Building	1965/1969	N/A	Non-Contributor
Classroom Building	1969	N/A	Non-Contributor
Cafeteria/Lunch Pavilion	1969	N/A	Non-Contributor
Site Features			
Sheltered Corridor 1	1935-1936	Good	Contributor
Sheltered Corridor 2	1935-1936	Good	Contributor
Sheltered Corridor 3	1935-1936	Good	Contributor
Sheltered Corridor 4	1969	Good	Non-Contributor

Source: Historic Resources Group 2022, included as Appendix D

The proposed Project would remove the West Building and Auditorium Building, and sheltered corridors (1 and 3), as shown in Table 7, sheltered corridors 1 and 3 are contributors to the potential historic district, and sheltered corridor 4 is a non-contributor (see Figure 5). In addition, the proposed Project would remove the non-contributing Cafeteria/Lunch Shelter building and sheltered corridor 4. The Main Building, South Building, and sheltered corridor 2, which are contributors to the potential historic district would remain intact and in their original locations. Two new buildings (a classroom building and a Multipurpose Room/Food Services/Library Building) would be developed on the Project site. Other site improvements and modernization would occur to buildings that would remain. The following activities would have the potential to adversely impact the potential historic district:

- Removal of one non-contributing building, the Cafeteria/Lunch Shelter.
- Removal of the contributing West Building.

- Removal of the contributing Auditorium Building.
- Removal of Two contributing Sheltered Corridors (1 and 3)
- Construction of new buildings and three new sheltered corridors adjacent to the potential historic district contributors.

Under CEQA, for these activities to be considered a "substantial adverse change" to the potential historic district, it must be demonstrated that they would result in the physical alteration of the potential historic district such that its integrity, or ability to convey its historical significance and eligibility for historic listing, would be threatened.

Potential Impacts from Proposed Building Removal

The proposed Project would remove two of the four contributing buildings and two contributing sheltered corridors (1 and 3), or 50 percent of the contributing buildings overall. In total, the four contributing buildings encompass approximately 32,400 square feet of building space, and the sheltered corridors encompass an additional 1,100 square feet; for a total of 33,400 square feet. The two contributing buildings that would be removed (West Building and Auditorium), are much smaller in comparison to the two contributing buildings (Main Building and South Building) that would be retained. Demolition of the West Building (5,600 square feet) and the Auditorium (4,300 square feet) would result in the removal of approximately 9,900 square feet of building space, or 30 percent of the total square footage of contributing buildings to the potential historic district. The remaining Main Building (13,000 square feet) and South Building (9,600 square feet) together contain 22,500 square feet of building space, or approximately 70 percent of the contributing square footage to the potential historic district. As such, a substantial majority of contributing buildings, in terms of built structure and historic fabric, would remain intact after removal of the West Building and Auditorium.

Together, the Main Building and South Building, which would remain, contain all the exterior character-defining features identified as important in conveying the historic significance of the potential historic district that are also repeated on the West Building and Auditorium to be removed. The Main Building and South Building together also represent the important public-facing aspects of the school Campus as it is their primary east-facing façades that contain the historic main entrance (Main Building) and secondary entrance (South Building) to the school. The two contributing buildings to be removed, the West Building and Auditorium, are smaller buildings with a secondary public presence in comparison to the Main Building and South Building. Although they are representative of functions characteristic of schools constructed in the 1930s, these buildings are not critical to understanding the historic significance of the potential historic district and the integration of the remaining contributing buildings would continue to convey the potential historic significance of the Campus. Furthermore, the proposed removal of the buildings addresses the most critical physical conditions and essential safety issues assessed for the buildings of 49th Street ES. These issues include: addressing earthquake safety (seismic retrofit, seismic modernization and/or building replacement); providing 21st century general and specialty classrooms; upgrading accessibility; addressing failed or failing building systems and grounds; landscape upgrades; physical security upgrades; and improvements to interior classroom spaces.

Thus, the proposed removal of two contributing buildings would not reduce the integrity of the potential historic district such that it can no longer convey its historic significance. Therefore, removal of contributing buildings by the proposed Project would result in less-than-significant impacts to historical resources.

Potential Impacts from Proposed New Construction

Construction of the proposed Project would not interrupt the important spatial relationships between the two remaining contributing buildings. The proposed new construction would include new Kindergarten classrooms, a library, a multi-purpose room, and food services facilities, all of which currently exist on the Project site and are in keeping with the historic uses on the 49th Street Elementary School Campus. New construction would be contemporary versions of building types and uses historically common to elementary school campuses.

New buildings would be limited to one-story, which is consistent with the existing one-story and two-story buildings on the Project site, including contributing buildings to the potential historic district. The construction of two one-story buildings would not substantially alter the historic significance or integrity of the potential historic district such that its ability to convey its historic significance would be materially impaired. Additionally, SC-CUL-1, -2, and -3, which require involvement of a Historic Architect through the entire design process and development of a Temporary Protection Plan for those buildings to remain would be implemented. Therefore, construction of the new buildings by the proposed Project would result in less-than-significant impacts to potential historical resources.

After implementation of the proposed Project, the potential historic district would retain integrity of location, design, setting, workmanship, and association from the identified period of significance. Therefore, the 49th Street Elementary School Campus would continue to convey its significance as a post-1933 Long Beach Earthquake school plant, and as an excellent example of a PWA Moderne Campus.

Additionally, implementation of the proposed Project would include input from a qualified historic architect pursuant to SC-CUL-1. Project design, materials, and implementation would comply with historic preservation standards—including the Secretary of the Interior's Standards for the Treatment of Historic Properties and LAUSD Design Guidelines and Treatment Approaches for Historic Schools—as set forth in SC CUL-2 and CUL-3. Therefore, impacts to historical resources would be less than significant and no further analysis is required.

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to CEQA Guidelines Section 15064.5?

Less than Significant Impact. Archaeological resources are cultural resources of prehistoric or historic origin that reflect human activity. Archaeological resources include both structural ruins and buried resources. The term Unique Archaeological Resources is defined in PRC Section 21083.2(g) as follows:

> … 'unique archaeological resources' means an archaeological artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

(1) Contains information needed to answer important scientific research questions and there is a demonstrable public interest in that information.

(2) Has a special and particular quality such as being the oldest of its type or the best available example of its type.

(3) Is directly associated with a scientifically recognized important prehistoric or historic event or person.

According to the United States Geological Survey (USGS) Inglewood Quadrangle Map, dated 2015, the site is at an elevation of approximately 180 feet above mean sea level. The site slopes gently to the southwest.[61] .

Since the Project site has been highly disturbed and is covered by fill soils, discovery of archaeological resources during shallow excavation activities is unlikely. In compliance with SC-CUL-4 and SC-CUL-5, LAUSD would comply with Design Specification 01 3591, Historic Treatment Procedures, as applicable, and retain an Architectural Photographer and/or a Historian or Architectural Historian who meet the Secretary of the Interior's Professional Qualifications Standards to prepare a HABS-like Historic Documentation Package. Additionally, LAUSD would implement SC-CUL-6 to retain a qualified Archaeologist to be available on call to reduce impacts to previously undiscovered buried archaeological resources, following completion of the final grading plan and prior to any ground disturbance, a qualified archaeologist shall prepare an Archaeological Monitoring Program.

As part of the proposed Project, SC-CUL-7 through SC-CUL-10 require that if historical or unique archaeological resources are discovered during construction activities, all work shall stop within a 30-foot radius of the discovery. LAUSD will retain a qualified archaeologist to make an evaluation of significance of the resource. If it is determined to be historical or a unique archaeological resource or if the discovery is not historical or unique but the archaeologist determines the possibility of further discoveries, a monitoring program will be prepared and implemented for the remainder of the earthwork activities.

As part of the archaeological monitoring program required under SC-CUL-7, scheduling details for participation by a Native American monitor, if required, would be included. If archaeological or Native American resources are discovered, SC-CUL-10 would be implemented for handling and recovery. Therefore, impacts would be less than significant and no further analysis is required.

c) Disturb any human remains, including those interred outside of dedicated cemeteries?

Less than Significant Impact. During construction of the previous development and again during construction of the school, extensive earthwork (excavation and grading) occurred. Therefore, human remains are not anticipated. In the unlikely event that human remains are uncovered during Project demolition, grading, or excavation, California Government Code Sections 27460 et seq. mandate that there shall be no further excavation or soil disturbance until the Los Angeles County Coroner has determined that the remains are not subject to the provisions of Section 27491 of the California Government Code or any other related provisions of law concerning investigation of the circumstances, manner, and cause of death, and the required

[61] United States Geological Survey (USGS), 2015, Inglewood Quadrangle Map.

recommendations concerning the treatment and disposition of the human remains have been made to the person responsible for the excavation, or to his or her authorized representative, in the manner provided in PRC Section 5097.98.

Pursuant to California Health and Safety Code Section 7050.5, the coroner shall make his or her determination within two working days of notification of the discovery of the human remains. If the coroner determines that the remains are not subject to his or her authority and recognizes or has reason to believe that they are those of a Native American, he or she shall contact the Native American Heritage Commission within 24 hours. Compliance with existing regulations would ensure that impacts to human remains would be less than significant and no further analysis is required.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
VI. ENERGY. Would the project:				
a. Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐
b. Conflict with or obstruct a state or local plan for renewable energy efficiency?	☐	☐	☐	☒

EXPLANATION:

LAUSD applies SCs for minimizing impacts to greenhouse gas emissions and energy consumption. Applicable SCs related to energy impacts associated with the proposed Project are provided below:

LAUSD Standard Conditions of Approval	
SC-GHG5	LAUSD shall ensure that the designed time dependent valued energy shall be at least 10%, with a goal of 20% less than a standard design that is in minimum compliance with the California Title 24, Part 6 energy efficiency standards that are in force at the time the project is submitted to the Division of the State Architect.

Would the proposed Project:

a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Less than Significant Impact. The Project would result in short-term construction and long-term operational energy consumption.

Short-Term Construction

Electrical Energy

Construction of the Project would not require electricity to power most construction equipment. Electricity use during construction would vary during different phases of construction. Most of the construction equipment would be gas- or diesel-powered, and electricity would not be used to power most of the construction equipment. Later construction phases could result in the use of electricity-powered equipment for interior construction and architectural coatings. It is anticipated that most of the electric-powered construction equipment would be hand tools (e.g., power drills, table saws) and lighting, which would result in minimal electricity usage during construction activities. Electrical energy would be available for use during construction from existing connections, precluding the use of less-efficient generators. Therefore, Project-related construction activities would not result in wasteful or unnecessary electricity demands, and impacts would be less than significant and no further analysis is required.

4. Environmental Checklist and Analysis

Natural Gas Energy

It is not anticipated that construction equipment used for the Project would be powered by natural gas, and no natural gas demand is anticipated during construction. Therefore, impacts would be less than significant with respect to natural gas usage and no further analysis is required.

Transportation Energy

Transportation energy use during construction of the Project would come from delivery vehicles, haul trucks, and construction employee vehicles. In addition, transportation energy demand would come from the use of off-road construction equipment. It is anticipated that most of the off-road construction equipment, such as those used during demolition and grading, would be gas or diesel powered.

The use of energy resources by vehicles and equipment would fluctuate according to the phase of construction and would be temporary. In addition, all construction equipment would cease operating upon completion of Project construction. Thus, impacts related to transportation energy use during construction would be temporary and would not require expanded energy supplies or the construction of new infrastructure. Furthermore, the construction equipment would be well maintained and meet the appropriate tier ratings per CALGreen or USEPA emissions standards so that adequate energy-efficiency level is achieved. Moreover, to limit wasteful and unnecessary energy consumption, the construction contractors are anticipated to minimize nonessential idling of construction equipment during construction, in accordance with Section 2449 of the CCR, Title 13, Article 4.8, Chapter 9. Construction trips would also not result in unnecessary use of energy since the Project site is centrally located and is served by numerous regional freeway systems (e.g., I-110) that provide the most direct routes from various areas of the region. Thus, transportation energy use during construction of the Project would not be considered inefficient, wasteful, or unnecessary. Impacts would be less than significant and no further analysis is required.

Long-Term Operation

The operation of the Project would generate demand for electricity on the Project site. During the operation of the Project, energy is used for heating, cooling, and ventilation of buildings; water heating; equipment; appliances; and indoor, outdoor, perimeter, and parking lot lighting; security systems. Table 8, *Net Increase in Electricity*, shows the net increase in electricity demand from these additional uses from the elementary school.

Table 8. Net Increase in Electricity [a, b, c]

	Net Increase SQFT	Title 24-Compliant Electricity (kWh/yr.)	Non-Title 24 Compliant Electricity (kWh/yr.)	Total Electricity Consumption (kWh/yr.)
Electricity				
Elementary School	17,132[c]	34,084	10,661	44,745
Parking Lot	16,400	14,366	0	14,366
TOTAL				**59,111**

Source: CalEEMod Version 2022.1.1.16.
Notes: KBTU: kilo British Thermal Units; kWh: kilowatt-hour; SQFT = square feet
[an] Electricity consumption have been calculated using the elementary school and parking lot energy rates from CalEEMod Appendix G, *Default Data Tables*, from EDFZ 16.
[b] Calculations for energy use only consider the net increase in building square feet of 6,692 square feet, based on the preliminary information provided by the District. Parking lot energy use is assumed to be entirely new for the most conservative estimates. As CalEEMod Version 2022.1.1.16 does not include historical energy rates, it is assumed that existing buildings and new buildings will have the same energy rate.
[c] Net increase in square feet excludes the two proposed sheltered corridors which would not consume electricity

New electrical service to the Project site will be provided by Los Angeles Department of Water and Power (LADWP) through a new transformer and connections to off-site electrical infrastructure. The Project would add approximately 17,132 square feet of building area to the Project site. As shown in Table 8, the net new electricity demand from the increase in total building square footage would total 59,111 kilowatt-hours per year. While the Project would generate additional energy demand at the site, it would comply with SC-GHG-5. The new buildings would not exceed the Building Energy Efficiency Standards and the California Green Building Standards Code (CALGreen) and would be more energy efficient than the existing elementary school. These features would comply with the goals outlined in Appendix F of the CEQA Guidelines, as the Project would promote the use of renewable energy and decrease reliance on fossil fuels to meet the electricity demands of the Project site. Because the Project would comply with these regulations and would provide features to decrease energy use by the Project site, it would not result in wasteful, inefficient, or unnecessary electricity demands. Therefore, operation of the Project would result in a less-than-significant impact related to electricity and no further analysis is required.

The operation of the Project would result in the consumption of transportation energy during operation from the use of motor vehicles. The efficiency of the motor vehicles in use (average miles per gallon) is unknown and highly variable. Thus, estimates of transportation energy use are based on the overall VMT and related transportation energy use. The Project-related VMT would primarily come from students and staff. However, because student capacity and staffing would not increase or change after buildout of the three construction phases, implementation of the Project would not result in additional trips or an increase in VMT and would not result in additional reliance on fossil fuel consumption. The Project would include two electric vehicle spaces, which would promote the use of alternative fuels, thereby reducing reliance on fossil fuels. Therefore, there would be no impact with respect to operation-related fuel usage. No impacts would occur and no further analysis is required.

4. Environmental Checklist and Analysis

b) Conflict with or obstruct a State or local plan for renewable energy or energy efficiency?

No Impact. The state's electricity grid is transitioning to renewable energy under California's Renewable Energy Program. Renewable sources of electricity include wind, small hydropower, solar, geothermal, biomass, and biogas. Electricity production from renewable sources is generally considered carbon neutral. On September 10, 2018, Governor Brown signed SB 100 and under SB 100, the renewable portfolios standard (RPS) for public-owned facilities and retail sellers consist of 44 percent renewable energy by 2024, 50 percent by 2026, 52 percent by 2027, and 60 percent by 2030.

The statewide RPS requirements do not directly apply to individual development projects, but to utilities and energy providers such as SCE, whose compliance with RPS requirements would contribute to the State's objective of transitioning to renewable energy. The elementary school land uses accommodated by the Project would not change and would comply with the current and future iterations of the Building Energy Efficiency Standards and CALGreen.

Also, in compliance with SC-GHG-5, the new buildings would not exceed the Building Energy Efficiency Standards and the California Green Building Standards Code (CALGreen) and would be more energy efficient than the existing elementary school. The Project would be reviewed by the Division of the State Architect (DSA) for compliance with design and construction and energy regulations, and by LAUSD for compliance with standard conditions. The Project would not conflict with State or local plans for renewable energy or energy efficiency. No impacts would occur and no further analysis is required.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
VII. GEOLOGY AND SOILS. Would the project:				
a. Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury or death involving:				
i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
ii. Strong seismic ground shaking?	☐	☐	☒	☐
iii. Seismic-related ground failure, including liquefaction?	☐	☐	☐	☒
iv. Landslides?	☐	☐	☐	☒
b. Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c. Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potential result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	☐	☐	☒	☐
d. Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐
e. Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒
f. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☒	☐

The analysis in this section is based in part on *Preliminary Geotechnical Investigation Proposed Major Modernization 49th Street Elementary School*, prepared by Geotechnical Professionals Inc., dated January 28, 2022. A complete copy of this report is included as Appendix F to this Initial Study.

EXPLANATION:

LAUSD applies SCs for minimizing impacts to geology and soils. Applicable SCs related to geology and soils impacts associated with the proposed Project are provided below:

LAUSD Standard Conditions of Approval	
SC-GEO1	LAUSD shall prepare a Geohazard Assessment for the construction of any new school or applicable school addition.

4. Environmental Checklist and Analysis

Would the proposed Project:

a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning map, issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

Less than Significant Impact. The Alquist-Priolo Earthquake Fault Zoning Act was passed in 1972 to mitigate the hazards of surface faulting and fault rupture on habitable buildings. Fault rupture generally occurs within 50 feet of an active fault line and is limited to the immediate area where the fault breaks along the surface. Active earthquake faults are faults where surface rupture has occurred within the last 11,000 years. The Project site is not within or immediately adjacent to (i.e., within a few hundred feet) of an Alquist-Priolo Earthquake Fault Zone (surface fault rupture only). The nearest Alquist-Priolo Earthquake Fault Zone is the Puente Hills Blind Thrust and Newport-Inglewood Zone of deformation, which are approximately 0.4 and 4.9 miles from the Project site, respectively.[62] The potential for tectonic fault rupture at the site is considered negligible. Therefore, fault rupture impacts would be less than significant and no further analysis is required.

ii) Strong seismic ground shaking?

Less than Significant Impact. Southern California is a seismically-active region. Impacts from ground shaking could occur many miles from an earthquake epicenter. The potential severity of ground shaking depends on many factors, including the distance from the originating fault, the earthquake magnitude, and the nature of the earth materials beneath a given site. There are several known faults in the Los Angeles region; the nearest mapped faults are the Puente Hills Blind Thrust and Newport-Inglewood Zone of deformation, which are approximately 0.4 and 4.9 miles from the Project site, respectively.[63] Moderate to strong ground shaking can be anticipated, as with current conditions. Because of the proximity to known faults and because the entire southern California region is considered seismically active, there is a potential for people and structures to experience strong ground shaking in the future from local and regional faults. However, the site is not on or within 1,500 feet of a known active fault or geologically hazardous area.

In compliance with SC-GEO-1, LAUSD would prepare a Geohazard Assessment for the construction of the new structures on the Project site. The new buildings would be designed in compliance with the California Building Code guidelines for evaluating and mitigating seismic hazards in California and the California Geological Survey "Checklist for the Review of Geologic/Seismic Reports for California

[62] Geotechnical Professionals Inc. 2022, January 28. *Preliminary Geotechnical Investigation Proposed Major Modernization Project Report. 49th Street Elementary School.*

[63] Geotechnical Professionals Inc. 2022, January 28. *Preliminary Geotechnical Investigation Proposed Major Modernization Project Report. 49th Street Elementary School.*

Schools, Hospitals, and Essential Services Buildings."[64] The proposed Project also requires review from the DSA for compliance with design and construction and accessibility standards and codes, including seismic requirements. LAUSD, with oversight from DSA, would comply with these requirements in the design and construction of the new school buildings. Therefore, seismic ground shaking impacts would be less than significant and no further analysis is required.

iii) Seismic-related ground failure, including liquefaction?

No Impact. Liquefaction is a phenomenon in which saturated cohesionless soils undergo a temporary loss of strength during severe ground shaking and acquire a degree of mobility sufficient to permit ground deformation. In extreme cases, the soil particles can become suspended in groundwater, resulting in the soil deposit becoming mobile and fluid-like. Liquefaction is generally considered to occur primarily in loose to medium dense deposits of saturated sandy soils. Thus, three conditions are required for liquefaction to occur: (1) a sandy soil of loose to medium density; (2) saturated conditions; and (3) rapid, large strain, cyclic loading, normally provided by earthquake motions.

According to the City and County of Los Angeles Seismic Safety Elements, the Project site is not in a seismic hazard zone for soil liquefaction or in a zone of required investigation for liquefaction.[65] Groundwater was not encountered in subsurface explorations to 81.5 feet below existing grade during the geotechnical investigation for the proposed Project; however, historical high groundwater levels provided by the California Geological Survey (CGS) indicate a shallowest groundwater table of approximately 45 to 50 feet below existing grades. Thus, due to the lack of shallow groundwater and density of the subsurface soils, the Project site is excluded from a liquefaction hazard zone. The proposed Project would not expose people or the new school buildings to adverse effects from liquefaction. Therefore, there would be no impact and no further analysis is required.

iv) Landslides?

No Impact. A landslide is a type of erosion in which masses of earth and rock move down slope as a single unit. Susceptibility of slopes to landslides and other forms of slope failure depend on several factors, which are usually present in combination and include steep slopes, condition of rock and soil materials, the presence of water, formational contacts, geologic shear zones, and seismic activity.

The relatively flat-lying topography at the school precludes both stability problems and the potential for lurching. According to the County of Los Angeles Safety Element[66] and the City of Los Angeles Safety Element,[67] the Project site is not within an area identified as having a potential for slope instability. There are no known landslides near the site, nor is the school in the path of any known or potential landslides or

[64] California Geological Survey (CGS), 2022, November. Note 48 "Checklist for the Review of Geologic/Seismic Reports for California Public Schools, Hospitals, and Essential Services Buildings." https://www.conservation.ca.gov/cgs/Documents/Publications/CGS-Notes/CGS-Note-48-a11y.pdf

[65] Geotechnical Professionals Inc. 2022, January 28. *Preliminary Geotechnical Investigation Proposed Major Modernization Project Report. 49th Street Elementary School.*

[66] Los Angeles County General Plan. Adopted October 6, 2015. Chapter 12: Safety Element. http://planning.lacounty.gov/assets/upl/project/gp_final-general-plan-ch12.pdf

[67] City of Los Angeles, Department of City Planning. General Plan Safety Element. Adopted November 26, 1996. https://planning.lacity.org/cwd/gnlpln/saftyelt.pdf

seismic slope instability. The proposed Project would not expose people or the new school buildings to adverse effects from landslides. Therefore, there would be no impacts and no further analysis is required.

b) Result in substantial soil erosion or the loss of topsoil?

Less than Significant Impact.

Construction

The proposed Project would not result in substantial soil erosion or loss of topsoil. The native topsoil was removed and/or compacted during development of the Campus; therefore, modernization would not result in the loss of topsoil.

Erosion is a normal and inevitable geologic process whereby earthen materials are loosened, worn away, decomposed or dissolved, and moved from one place to another. Precipitation, running water, waves, and wind are all agents of erosion. Ordinarily, erosion proceeds imperceptibly, but when the natural equilibrium of the environment is changed, the rate of erosion can be greatly accelerated. Accelerated erosion in an urban area can cause damage by undermining structures; blocking storm drains; and depositing silt, sand, or mud on roads and in tunnels. Eroded materials can eventually be deposited in local waters, where the carried silt remains suspended in the water for some time, constituting a pollutant and altering the normal balance of plant and animal life.

Project-related construction activities would expose soil through excavation, grading, and trenching, and thus could cause erosion during heavy winds or rainstorms. Construction projects of one acre or more are regulated under the National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities (Order No. 2012-0006-DWQ) issued by the State Water Resources Control Board. LAUSD would obtain coverage by preparing and implementing a Stormwater Pollution Prevention Plan (SWPPP), estimating sediment risk from construction activities to receiving waters, and specifying best management practices (BMPs) that would be incorporated into the construction plan to minimize stormwater pollution. The proposed Project would occur on approximately 4.3 acres of the 5.73-acre 49th Street ES Campus (Project site); thus, construction would be subject to the Statewide Construction General Permit and implementation of BMPs specified in the SWPPP. This is also required under LAUSD SC-HWQ-2. Therefore, construction-phase soil erosion impacts would be less than significant and no further analysis is required.

Operation

After completion of the proposed Project, ground surfaces at the Project site would be either hardscape or maintained landscaping, and no large areas of exposed soil would be left to erode. The proposed Project would incorporate SC-HWQ-1, which would be consistent with the Low-Impact Development (LID) Standards Manual issued by the County of Los Angeles Department of Public Works (DPW) in February 2014. The LID Standards Manual in turn is pursuant to the Municipal Stormwater Permit for coastal watersheds of Los Angeles County, Order No. R4-2012-0175, issued by the Los Angeles Regional Water Quality Control Board in 2012.

LID employs principles such as preserving and recreating natural landscape features, minimizing effective imperviousness to create functional and appealing site drainage that treat stormwater as a resource rather than a waste product. There are many practices that have been used to adhere to these principles, such as bioretention facilities, rain gardens, vegetated rooftops, rain barrels, and permeable pavements. By implementing LID principles and practices, water can be managed in a way that reduces the impact of built areas and promotes the natural movement of water within an ecosystem or watershed. Applied on a broad scale, LID can maintain or restore a watershed's hydrologic and ecological functions. LAUSD would comply with existing regulations. Therefore, operational phase soil erosion impacts would be less than significant and no further analysis is required.

c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the Project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?

Less than Significant Impact. Hazards arising from liquefaction and landslides would be less than significant, as discussed previously in Sections a.(iii) and (iv).

Lateral spreading. Lateral spreading is the downslope movement of surface sediment due to liquefaction in a subsurface layer. The geotechnical investigation assessed the potential for liquefaction on the Project site, and found that the Project site is not susceptible to soil liquefaction, see Section a(iii). Therefore, the proposed Project would not expose people or structures on the Project site to adverse effects associated with lateral spreading. Therefore, impacts would be less than significant and no further analysis is required.

Subsidence. The major cause of ground subsidence is withdrawal of groundwater. The proposed Project would not withdraw groundwater. Project implementation would not pose substantial hazards to people or structures due to ground subsidence. Therefore, impacts would be less than significant and no further analysis is required.

Seismically Induced Settlement. Seismically-induced settlement occurs in dry sands, in contrast to liquefaction, which occurs in saturated sand or gravel, and is often caused by loose to medium-dense granular soils densified during ground shaking. A potential total dry seismic settlement (above the groundwater table) of 1 to 1.75 inches, with differential seismic settlement estimated to be between 0.5- and 1-inch across a span of 40 feet. The majority of the dry seismic settlement was found to occur in the upper 4 to 10 feet[68]. The resulting estimated total dry seismic settlements beneath new buildings would be between 0.25- and 0.5-inch (with differential settlements estimated to be less than 0.25-inch across a 40-foot span). The above settlement estimates are based on the assumption that the earthwork recommended in the Geotechnical Investigation would be performed, that the footings would be sized accordingly, and additional structural load information would be provided when it is available, to evaluate the settlement. Therefore, impacts would be less than significant, and no further analysis is required.

[68] Geotechnical Professionals Inc. 2022, January 28. *Preliminary Geotechnical Investigation Proposed Major Modernization Project Report. 49th Street Elementary School.*

Collapsible Soils. Collapsible soils are typically geologically young, unconsolidated sediments of low density that may compress under the weight of structures. The proposed structures and modifications to existing buildings may be supported on conventional isolated and/or continuous shallow footings or a mat foundation, provided the subsurface soils are prepared in accordance with the Geotechnical Investigation. As part of the DSA review process, LAUSD is required to show how the proposed Project complies with a final engineering-level Geotechnical Report. This report includes, but is not limited to, identification of building setbacks, site preparation, specific locations and methods for fill placement, temporary shoring, groundwater seismic design features, excavation stability, foundations, soil stabilization, establishment of any deep foundations, concrete slabs and pavements, surface drainage, cement type and corrosion measures, erosion control, shoring and internal bracing, and plan review. Therefore, impacts would be less than significant, and no further analysis is required.

The Project design and development would incorporate all recommended measures outlined in the final engineering-level geotechnical report to ensure that safety is not compromised as required by existing regulations. Compliance with recommendations of the Geotechnical Investigation would minimize hazards from collapsible soils. Therefore, impacts would be less than significant, and no further analysis is required.

d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?

Less than Significant Impact. Expansive soils possess clay particles that react to moisture changes by shrinking when dry or swelling when wet. These soils have the potential to crack building foundations and in some cases, structurally distress the buildings themselves. Soils available from on-site excavations, less debris or organic matter, would be suitable for re-use in compacted fills. Soils placed behind retaining walls and within one foot of the finished subgrade for building floor slabs and hardscape would be predominately granular and non-expansive (E.I. of 20 or less). Such materials are anticipated to be available on-site within the upper 10 feet below existing grades. As discussed previously, LAUSD is required to show how the proposed Project complies with a final engineering-level Geotechnical Report, and DSA would ensure that the buildings are designed and constructed for this condition. The proposed Project would not expose people or structures to significant adverse effects associated with expansive soils. Therefore, impacts would be less than significant and no further analysis is required.

e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?

No Impact. The existing Campus does not use septic tanks or other alternative wastewater disposal systems, and the proposed Project would not require it. Therefore, no impact would occur and no further analysis is required.

f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Less than Significant Impact. A paleontological resource is a natural resource characterized as faunal or floral fossilized remains but may also include specimens of non-fossil material dating to any period preceding human occupation.

Los Angeles is rich in paleontological sites. Fossils have been found mostly in sedimentary rock that has been uplifted, eroded, or otherwise exposed. Since the Project site has been highly disturbed and is covered by fill soils, discovery of paleontological resources during shallow excavation activities is unlikely. Additionally, neither the school nor the surrounding area has been identified as having a high paleontological sensitivity.[69]. As a result, impacts to paleontological resources would be less than significant and no further analysis is required.

[69] City of Los Angeles, 2001, *Citywide General Plan Framework Final Environmental Impact Report*. Certified August 8, 2001. Appendix C - Vertebrate Paleontological Resources.https://planning.lacity.org/odocument/6aa45676-e431-43ab-8621-dd493e64d2ea/FrameworkFEIR.pdf

4. Environmental Checklist and Analysis

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
VIII. GREENHOUSE GAS EMISSIONS. Would the project:				
a. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☒	☐

Greenhouse gas (GHG) emission regulatory setting and modeling data can be found in Appendix A to this Initial Study.

EXPLANATION:

LAUSD applies SCs for minimizing impacts to greenhouse gas emissions. Applicable SCs related to greenhouse gas emissions impacts associated with the proposed Project are provided below:

LAUSD Standard Conditions of Approval	
SC-GHG1	During operation, LAUSD shall perform regular preventative maintenance on pumps, valves, piping, and tanks to minimize water loss.
SC-GHG2	LAUSD shall utilize automatic sprinklers set to irrigate landscaping during the early morning hours to reduce water loss from evaporation.
SC-GHG3	LAUSD shall reset automatic sprinkler timers to water less during cooler months and rainy season.
SC-GHG4	LAUSD shall develop a water budget for landscape (both non-recreational and recreational) and ornamental water use to conform to the local water efficient landscape ordinance. If no local ordinance is applicable, then use the landscape and ornamental budget outlined by the California Department of Water Resources.
SC-GHG5	LAUSD shall ensure that the designed time dependent valued energy shall be at least 10%, with a goal of 20% less than a standard design that is in minimum compliance with the California Title 24, Part 6 energy efficiency standards that are in force at the time the project is submitted to the Division of the State Architect.
SC-USS1	Implementation of SC-USS-1.

The primary source of GHG is fossil fuel use. The Intergovernmental Panel on Climate Change (IPCC) has identified four major GHGs—water vapor, carbon dioxide (CO_2), methane (CH_4), and ozone (O_3)—that are the likely cause of an increase in global average temperatures observed within the 20th and 21st centuries. Other GHG identified by the IPCC that contribute to global warming to a lesser extent include nitrous oxide (N_2O), sulfur hexafluoride (SF_6), hydrofluorocarbons, perfluorocarbons, and chlorofluorocarbons.[70]

[70] Water vapor (H2O) is the strongest GHG and the most variable in its phases (vapor, cloud droplets, ice crystals). However, water vapor is not considered a pollutant, but part of the feedback loop rather than a primary cause of change.

Information on manufacture of cement, steel, and other "life cycle" emissions that would occur as a result of the Project are not applicable and are not included in the analysis.[71] Black carbon emissions are not included in the GHG analysis because the California Air Resources Board (CARB) does not include this pollutant in the state's Senate Bill 32 (SB 32) and Assembly Bill 1279 (SB 1279) inventory and treats this short-lived climate pollutant separately.[72] A background discussion on the GHG regulatory setting and GHG modeling can be found in Appendix A to this Initial Study.

Would the proposed Project:

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?

Less than Significant Impact. Global climate change is not confined to a particular project area and is generally accepted as the consequence of global industrialization over the last 200 years. A typical project, even a very large one, does not generate enough greenhouse gas emissions on its own to influence global climate change significantly; hence, the issue of global climate change is, by definition, a cumulative environmental impact.

Project-related construction and operation-phase GHG emissions are shown in Table 9, *Project-Related Net GHG Emissions*. Implementation of the Project would result in the redevelopment of an elementary school on the Project site. However, because student capacity would not increase after buildout of the Project, operation of the Project would not result in an increase in trips, water demand, or solid waste generation. In addition, GHG emissions from building energy use would be minimized because the existing two buildings to be removed, which were constructed prior to modern building energy codes, would be replaced with newer, more energy-efficient buildings that meet the current California Building and Energy Efficiency Standards. Annual average construction emissions were amortized over 30 years and included in the emissions inventory to account for one-time GHG emissions from the construction phase of the project. Overall, construction and operation of the Project would not generate annual emissions that exceed the South Coast AQMD bright-line threshold of

[71] Life cycle emissions include indirect emissions associated with materials manufacture. However, these indirect emissions involve numerous parties, each of which is responsible for GHG emissions of their particular activity. The California Resources Agency, in adopting the CEQA Guidelines Amendments on GHG emissions found that lifecycle analyses was not warranted for project-specific CEQA analysis in most situations, for a variety of reasons, including lack of control over some sources, and the possibility of double-counting emissions (California Natural Resources Agency (CNRA). 2018, November. Final Statement of Reasons for Regulatory Action. http://resources.ca.gov/ceqa/docs/2018_CEQA_Final_Statement_of%20Reasons_111218.pdf). Because the amount of materials consumed during the operation or construction of the Project is not known, the origin of the raw materials purchased is not known, and manufacturing information for those raw materials are also not known, calculation of life cycle emissions would be speculative. A life-cycle analysis is not warranted (Governor's Office of Planning and Research (OPR). 2008, June. CEQA and Climate Change: Addressing Climate Change through CEQA Review. Technical Advisory. http://www.opr.ca.gov/ceqa/pdfs/june08-ceqa.pdf).

[72] Particulate matter emissions, which include black carbon, are analyzed in Section III, Air Quality. Black carbon emissions have sharply declined due to efforts to reduce on-road and off-road vehicle emissions, especially diesel particulate matter. The state's existing air quality policies will virtually eliminate black carbon emissions from on-road diesel engines within 10 years (California Air Resources Board. 2017, March 14. Final proposed Short-Lived Climate Pollutant Reduction Strategy. https://www.arb.ca.gov/cc/shortlived/shortlived.htm).

3,000 metric tons of carbon dioxide equivalent ($MTCO_2e$) per year.[73] Additionally, SC-GHG-1 through 6 and USS-1 would minimize operational GHG emissions through efficient irrigation, energy consumption, and waste generation. Therefore, the Project's cumulative contribution to GHG emissions would be less than significant and no further analysis is required.

Table 9. Project-Related Net GHG Emissions

Source	GHG Emissions ($MTCO_2e$ / Year)[a]	
	Project GHG Emissions (MTCO2e/Year)	Percent of Project Total
Area	<1	1 percent
Energy	26	37 percent
Water	<1	1 percent
Refrigerants	<1	<1 percent
Amortized Construction[b]	43	62 percent
Total	69	100 percent
South Coast AQMD Bright-Line Threshold	3,000 $MTCO_2e$/Yr.	NA
Exceeds Bright-Line Threshold	No	NA

Sources: CalEEMod Version 2022.1.1.16.
Note: Mtons = metric tons; $MTCO_2e$ = metric ton of carbon dioxide equivalent.
[a] Student capacity at buildout would not change from existing conditions. Therefore, mobile and solid waste emissions were not evaluated. The modeling also assumes that landscaping would be a new use and accounts for GHG emissions from outdoor water use.
[b] Total construction emission is amortized over 30 years per South Coast AQMD methodology.

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

Less than Significant Impact. Applicable plans adopted for the purpose of reducing GHG emissions include CARB's Scoping Plan, the Southern California Association of Governments' (SCAG) Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS). CARB's latest Climate Change Scoping Plan (2022)[74] outlines the State's strategies to reduce GHG emissions in accordance with the targets established under AB 32, SB 32, and AB 1279. The Scoping Plan is applicable to State agencies and is not directly applicable to cities/counties and individual projects. Nonetheless, the Scoping Plan has been the primary tool that is used to develop performance-based and efficiency-based CEQA criteria and GHG reduction targets for climate action planning efforts.

Statewide strategies to reduce GHG emissions include the low carbon fuel standards, California Appliance Energy Efficiency regulations, California Renewable Energy Portfolio standard, changes in the CAFE standards, and other early action measures as necessary to ensure the State is on target to achieve the GHG

[73] South Coast Air Quality Management District. 2010, September 28. Minutes for the GHG CEQA Significance Threshold Stakeholder Working Group #15. http://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/year-2008-2009/ghg-meeting-15/ghg-meeting-15-minutes.pdf.

[74] California Air Resources Board. 2022, 2022 Scoping Plan for Achieving Carbon Neutrality, https://ww2.arb.ca.gov/sites/default/files/2022-12/2022-sp.pdf, accessed January 24, 2023.

emissions reduction goals of AB 32, SB 32, and AB 1279. In addition, new developments are required to comply with the current Building Energy Efficiency Standards and CALGreen. The Project would comply with these GHG emissions reduction measures since they are statewide strategies. The Project's GHG emissions would be reduced from compliance with statewide measures that have been adopted since AB 32, SB 32, and AB 1279 were adopted. Therefore, impacts would be less than significant and no further analysis is required.

SCAG's Regional Transportation Plan/Sustainable Communities Strategy

SCAG adopted the 2020-2045 RTP/SCS (Connect SoCal) in September 2020. Connect SoCal finds that land use strategies that focus on new housing and job growth in areas rich with destinations and mobility options would be consistent with a land use development pattern that supports and complements the proposed transportation network.

The Connect SoCal Plan does not require that local general plans, specific plans, or zoning be consistent with the SCS, but provides incentives for consistency to governments and developers. The Project would redevelop and modernize facilities for the existing and future students at the elementary school within an existing operational school Campus. The Project would not change underlying zoning or uses on the Project site. The Project would continue to serve the local student population within the surrounding communities. Since the redevelopment of the existing school Campus would continue to be a local-serving land use, and because the Project would not result in an increase in student capacity, the Project would not generate an increase in VMT. Therefore, the Project would not interfere with SCAG's ability to implement the regional strategies in Connect SoCal, and impacts would be less than significant. No impact would occur and no further analysis is required.

4. Environmental Checklist and Analysis

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
IX. HAZARDS AND HAZARDOUS MATERIALS. Would the project:				
a. Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
b. Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☐	☒	☐
c. Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☒	☐
d. Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☒	☐
e. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☐	☒
f. Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
g. Expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?	☐	☐	☐	☒

The analysis in this section is based in part on "Phase I Environmental Site Assessment 49th Street Elementary School," prepared by Tetra Tech, dated March 22, 2022, the "Preliminary Environmental Assessment Equivalent Report" prepared by Ninyo & Moore, dated July 19, 2023, and the "Removal Action Work Plan" prepared by Ninyo & Moore, dated August 25, 2023. Copies these reports are included as Appendix F, G, and H, to this Initial Study.

EXPLANATION:

LAUSD applies SCs for minimizing impacts to hazards and hazardous materials. Applicable SCs related to hazards and hazardous materials impacts associated with the proposed Project are provided below:

LAUSD Standard Conditions of Approval	
SC-HAZ-4	The Construction Contractor shall comply with the following OEHS Site Assessment practices and requirements (as applicable): • District Specification Section 01 4524, Environmental Import / Export Materials Testing. • Removal Action Workplan or Remedial Activities Workplan.

	• California Air Resources Board Rule 1466. • Guidelines and Procedures to Address Polychlorinated Biphenyls (PCBs) in Building Materials - particularly applicable to buildings that were constructed or remodeled between 1959 and 1979. • Lead and asbestos abatement requirements identified by the Facilities Environmental Technical Unit (FETU) in the Phase I / Phase II, or abatement plan(s).
SC-AQ1	Implementation of SC-AQ-1.

Would the proposed Project:

a) Create a significant hazard to the public or the environment through the routine transport, use or disposal of hazardous materials?

Less than Significant Impact.

Existing Hazardous Materials Present or Potentially Present on the Campus

Recognized Environmental Conditions

A recognized environmental condition (REC) is defined as the presence or likely presence of hazardous substances or petroleum products in, on, or at a property due to any release to the environment, under any conditions indicative of a release to the environment, or under conditions that pose a material threat of a future release to the environment.

RECs identified by the Phase I Environmental Site Assessment include:

- Current and historical use of the boiler/incinerator room in the Main Building, including the potential use of petroleum fuels, the presence of an incinerator, and the presence of pink staining around a sump.

- The potential presence of lead-contaminated soils in the vicinity of the on-Site buildings (historical and current) associated with the potential use of lead-based paint (LBP) in the buildings.

- The potential presence of organochlorine pesticide (OCP)-contaminated soils in the vicinity of the on-Site buildings (historical and current) associated with the potential application of OCPs applied at wood building foundations for termite control.

- The potential presence of polychlorinated biphenyls (PCB)-contaminated soils beneath in the vicinity of the on-Site buildings (historical and current) due to the potential use of PCB-containing caulking and paints in the buildings.

- The potential presence of arsenic-contaminated soils beneath the Campus pavement due to LAUSD's former standard practice of applying herbicides containing arsenic prior to paving.

4. Environmental Checklist and Analysis

- The following features referenced on historical LAUSD drawings: a concrete incinerator, two oil tanks (unknown if the tanks are aboveground storage tanks (ASTs) and/or underground storage tanks (USTs)), and two additional former boiler rooms.

- No historical recognized environmental condition (HRECs) or potential environmental concerns (PECs) have been found in connection with the Site.

- The following business environmental risks (BERs) have been found in connection with the Site:

  - Untested suspect Asbestos-Containing Materials (ACMs) and LBP and other Lead-Containing Materials (LCMs).

  - The presence of a potentially PCB-containing transformer.

- No off-Site facilities are considered to be RECs to the Site at this time.

Areas of Concern

Based on the RECs and BERs identified in the Phase I Environmental Site Assessment, LAUSD and Ninyo and Moore established ten areas of concern on the Site which were targets for their sampling effort documented in the Preliminary Environmental Assessment-Equivalent (PEA-E) Report.

- **AOC1** – AOC1, which consists of shallow soil surrounding buildings planned for demolition (West Building, Auditorium, Cafeteria) was assessed for the presence of lead-based paint, arsenic-containing termiticides and chlorinated pesticides around building footprints, and PCBs in caulking of building materials. COPCs include lead, arsenic, OCPs, and PCBs. Title 22 Metals, Hexavalent chromium, asbestos, and polycyclic aromatic hydrocarbons (PAHs) were also assessed for SCAQMD Rule 1466 requirements.

- **AOC2** – AOC2, which consists of shallow soil underlying paved areas throughout the site, was assessed for the potential historical application of arsenic-containing herbicides and lead, PCBs, and asbestos from historical buildings that were demolished. Title 22 Metals, hexavalent chromium, and PAHs were also assessed for SCAQMD Rule 1466 requirements.

- **AOC3** – AOC3, which consists of shallow soil around an electrical transformer at the southern portion of the site, was assessed for the potential use and spillage of PCB-containing oil. COPCs include PCBs.

- **AOC4** – AOC4, which consists of four discrete locations placed adjacent to GPI geotechnical borings B-2 through B-5, was sampled to assess uncertified fill against native soil conditions in portions of the site that represents different time periods of site development. COPCs include Title 22 Metals, volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH), and OCPs.

- **AOC5** – AOC5, which consists of the former location of a concrete incinerator south of the West Building, was assessed for potential contaminants associated with the historical use of a concrete gas-fired

incinerator. COPCs include Title 22 metals, VOCs, TPH, PAHs, dioxins & furans, and hexavalent chromium.

- **AOC6** – AOC6, which consists of the area around a potential former oil tank used for storing petroleum products (likely heating oil) and associated product pipeline identified in historical vault drawings, was assessed for potential spills and leaks associated with its use. COPCs include Title 22 Metals, VOCs in soil and soil vapor, TPH, and PCBs.

- **AOC7** – AOC7, located between the Main Building and the West Building, consists of a former oil tank and the associated product pipeline, the presence of which was indicated in historical vault drawings and the geophysical survey. AOC7 was assessed for potential impacts from leaks or spills associated with a former operation of heating oil tank. COPCs include Title 22 Metals, VOCs in soil and soil vapor, TPH, and PCBs.

- **AOC8** – AOC8, which consists of the area of a historical boiler room that was backfilled to the west of the Main Building, was assessed for contamination associated with the use of boiler room, including heating oils, gases, and other petroleum products. COPCs include Title 22 Metals, VOCs in soil and soil vapor, TPH, and PCBs.

- **AOC9** – AOC9, located near a hazardous materials storage shed in the southern portion of the site, was assessed for the historical use and potential spillage of hazardous materials including gasoline and motor oils. COPCs include Title 22 Metals, VOCs, and TPH.

- **AOC10** – AOC10, located in the asphalt-paved parking lot in the northwest portion of the site, was assessed for vehicle oil leaks and associated subsurface impacts. COPCs include Title 22 Metals, VOCs in soil and soil vapor, and TPH.

The results of the PEA-E investigation included elevated chemicals of concern above their respective screening level or regulatory threshold. The PEA-E report noted the following regarding the elevated chemicals of concern:

- Arsenic. Elevated arsenic concentration was reported in the north, northeast, and south portion of the Site. The arsenic-impacted soil is estimated to be 1,400 cubic yards (yd^3). Part of the arsenic-impacted soil is characterized to be federal- and state-regulated hazardous waste when excavated.
- Lead. Elevated lead concentrations were reported in the central portion of the Site covered under the asphalt pavement. The lead-impacted soil is estimated to be 10 yd^3 and is characterized to be state regulated hazardous waste when excavated.
- Abandoned fuel pipe. Approximately 100 feet of abandoned fuel pipeline leading from E. 49th Street to the former oil tank was identified at the northern portion of the Site using a geophysical investigation. In addition, petroleum hydrocarbon (diesel and motor) impacted soil was encountered in the parking area located northwest portion of the site. The impacted soil is estimated to be 4 yd^3.

4. Environmental Checklist and Analysis

The PEA-E recommended the preparation of a Removal Action Workplan (RAW), which was completed in August 2023. The RAW recommends the excavation and removal of approximately 1,568 cubic yards of soil impacted with arsenic, lead, and total petroleum hydrocarbons (TPH).

All other remaining chemicals of concern, including the ones listed under the South Coast Air Quality Monitoring District (SCAQMD) Rule 1466, were not reported above their respective screening level or above the 95 percent upper confidence limit of the arithmetic mean for the Site. Therefore, compliance with SCAQMD Rule 1466 is not required.

Asbestos

Based on the age of the Site buildings (1923 to 1969), it is likely that ACMs are present in the Campus buildings. Observed inferred suspect ACMs noted during site reconnaissance included ceramic floor tile mastic, vinyl flooring (tiles and sheeting) and mastic, vinyl cove base and associated mastic, drywall and associated joint compound, acoustic ceiling tile, stucco, and roofing materials. The suspect ACMs were generally in fair condition where observed. Untested suspect ACMs are considered to be a BER.

Lead-Based Paint and Other Lead-Containing Materials

Based on the age of the buildings (1923 to 1969), it is possible that LBP and other LCMs are present in buildings to be demolished. The painted surfaces appeared to be in fair to good condition, with no significant areas of damaged paint noted. Other possible LCMs, such as ceramic floor tile and wall tile, also appeared to be in fair to good condition. Untested suspect LBP and other LCMs are considered to be part of the BER.

Storage Tanks

Underground Storage Tanks (USTs)

Although no visual evidence (i.e., pipes, vents and dispensers) indicating historical or existing on-site USTs was observed during the Phase I site investigation, historical drawings provided by LAUSD indicated the presence of two oil tanks at the site A subsequent geophysical survey conducted in February, 2023 showed evidence of soil disturbance and an abandoned fuel line in the area of the former heating oil tank identified in the historical drawings and located between the main building and the west building. No evidence of a second oil tank was detected during the geophysical survey. The referenced oil tanks are considered to be a REC.

Aboveground Storage Tanks (ASTs)

No visual evidence (i.e., concrete foundation or containment walls, pedestals or steel support structures) indicating existing or historical on-site ASTs was observed. No information from site history research and review of records and/or databases maintained by federal, state, county and city agencies revealed the presence of existing or historical ASTs except as noted below.

Existing Hazardous Substances

Hazardous materials observed at the Project site on January 7, 2022, during site reconnaissance conducted for the Phase I site investigation included the following[75]:

- 15 gallons of gasoline/diesel and approximately 10 gallons of maintenance chemicals in an exterior storage container in the central south portion of the Project site.
- Two 5-gallon containers of corrosion control chemical in the boiler/incinerator room in the main building.
- Approximately 40 gallons of janitorial cleaners and 80 gallons of disinfectant in the janitorial storage room in the west building.
- Approximately 15 gallons of janitorial cleaners in the auditorium building.
- Approximately 10 gallons of cleaners in the kitchen in the cafeteria building.
- Minor amounts of janitorial supplies in the janitorial closets in the remaining Site buildings.

These are all materials used in regular operation and maintenance of the existing Campus. No staining or other evidence of spills was observed.

Other Site Hazard Considerations

The Project site and locations of new classrooms/outdoor play areas are not within 500 feet of existing high voltage power lines or cell towers. There are no hazardous pipelines or railroad track easements within 1,500 feet of the Project site.

Soil Import and Export

Any soil that is imported or exported must be chemically tested in accordance with specific written procedures as outlined in LAUSD Specifications, Section 01 4524, Environmental Import/Export Materials Testing.[76] This specification has the requirements for the sampling, testing, transporting, and certifying of imported fill materials or exported fill materials from school sites.

Demolition and Construction Activities

Hazardous materials that would be used during construction (e.g., petroleum-based products, paints, solvents, sealers, oils, grease, and cleaning fluids) would be properly transported, used, stored, and disposed per applicable SCs and regulatory requirements. The use of these materials would be short term in nature and would occur in accordance with standard construction practices.

[75] Tetra Tech. 2022, March. Phase I Environmental Site Assessment 49th Street Elementary School
[76] LAUSD. 2011, October 1. LAUSD Asset Management, Guide Specifications: Division 01 General Requirements, Section 01 4524, Environmental Import/Export Materials Testing.

4. Environmental Checklist and Analysis

Prior to any demolition, remodeling, and/or renovation activities at the Project site, untested suspect ACMs, LBP and other LCMs, and potential PCB-containing building material that may be disturbed should be sampled and analyzed in accordance with applicable regulations. Abatement of known and suspect ACMs, LBP and other LCMs, and potential PCB-containing caulk and paints and any adjacent PCB-impacted building or construction materials should be performed prior to any demolition, remodeling, and/or renovation activities (that would disturb the ACMs and LBP and other LCMs) in accordance with applicable regulations. If renovation or demolition activities do not take place, known and suspect ACMs, LBP and other LCMs would be managed in accordance with applicable regulations, including the preparation and implementation of specific Operation and Maintenance (O&M) Plans. Soil samples were tested for PCBs during the PEA investigation and did not have elevated concentrations that would require further investigation or removal action.

LAUSD would ensure that all construction related activities are completed in accordance with all applicable federal, State, and local regulations, and all applicable LAUSD specifications, and standards. Construction would also comply with the applicable SCs, which include, but are not limited to, SC-USS-1, which requires that any construction waste will be recycled to the maximum extent feasible.

Construction contractors are required to comply with LAUSD standard specifications for proper packaging, transportation, and disposal of any discovered hazardous materials before building construction starts. Specifically, construction contractors are required to comply with worker training, health and safety, hazardous material containment, and offsite transport, and disposal of contaminated soil. The proposed Project would not subject people or the environment to substantial hazards related to hazardous materials onsite or potentially onsite. Therefore, impacts would be less than significant and no further analysis is required.

Operation Phase

Once the proposed Project is complete and operational, hazardous materials that might be handled, used, transported, or disposed of include: standard cleaning products, pesticides, herbicides, paints, fuels, and lubricants used in association with standard Campus janitorial, maintenance, and landscaping. Small volumes of hazardous wastes, such as waste paint, batteries, fluorescent lamps, mercury-containing equipment, or unused maintenance products would require management in accordance with standard LAUSD policies and practices. Most hazardous materials stored on school campuses present little risk of upset, since they are generally stored in small containers in designated areas.

The amounts and use of these materials would be limited and consistent with the historical uses of the Campus, and the transport, storage, use, and disposal of these materials would be subject to federal, State, and local health and safety requirements. All transport, handling, storage, use, and disposal of substances would comply with all federal, State, and local laws and regulations for the management and use of hazardous material. Thus, the proposed Project would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. Therefore, impacts would be less than significant and no further analysis is required.

b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Less than Significant Impact. The use, handling, storage, and disposal of hazardous materials during Project construction and operation would not pose a substantial hazard to the public or the environment from reasonably foreseeable accidental release. Compliance with the previously discussed regulations is already standard practice at the school, including training school staff to safely contain and clean up hazardous materials spills; maintenance of hazardous materials spill containment and cleanup supplies onsite; implementing school evacuation procedures as needed; and contacting the appropriate hazardous materials emergency response agency immediately pursuant to requirements of regulatory agencies. Therefore, impacts from reasonably foreseeable upset and accident conditions would be less than significant and no further analysis is required.

c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Less than Significant Impact. In addition to the project being located on a school, several other schools are within 0.25 mile of the Project site:

- Dr. Maya Angelou Community High School
- George Washington Carver Middle School
- Sally Rider Elementary School
- Aurora Elementary School

Operation of construction equipment and heavy trucks would generate diesel emissions, which would result in the generation of air pollutants due to diesel-powered construction equipment, dust generated by construction activities, and off-gassing of volatile organic compounds (VOCs) from paints and asphalt. Construction emissions were estimated using the CalEEMod computer program with input based on the construction schedule and equipment mix. Results of the modeling effort are discussed in the Air Quality section of the MND. The results indicated that maximum daily emissions during the construction phase would be less than the South Coast AQMD's significance threshold values. Therefore, schools within 0.25 mile of the Project site would not be exposed to hazardous emissions during construction and impacts would be less than significant.

Also, the Project would not result in an increase in enrollment capacity and therefore the Project would not result in an increase in emissions from mobile sources. The Air Quality section of the MND provides the estimated maximum daily operational emissions, which are well below South Coast AQMD significance thresholds. Therefore, the operational phase of the Project would not expose sensitive receptors or nearby schools to hazardous emissions and operational impacts are also less than significant.

d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

Less than Significant Impact. California Government Code Section 65962.5 requires that lists of hazardous materials sites be compiled and made available to the public. These lists include:

- Hazardous waste facilities subject to corrective action.
- Hazardous waste discharges for which the State Water Resources Control Board has issued certain types of orders.
- Public drinking water wells containing detectable levels of organic contaminants.
- Underground storage tanks with reported unauthorized releases.
- Solid waste disposal facilities from which hazardous waste has migrated.

The Phase I ESA for the Project included a regulatory agency environmental database search from EDR. The Project site is not included on the Hazardous Waste and Substances Sites (Cortese) List. Therefore, impacts would be less than significant and no further analysis is required.

e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the Project result in a safety hazard or excessive noise for people residing or working in the project area?

No Impact. The nearest public airports to the school site are Compton/Woodley Airport, approximately 10.8 mile southwest, and Hawthorne Airport, approximately 12.5 miles southwest. The Project site is not within the airport influence areas or the airport land use planning areas of these airports[77]. Development of the proposed Project would not result in a new use that would interfere with air traffic patterns or increase traffic levels or change traffic patterns. New buildings would be a similar height to the existing buildings on the Campus and would not create a safety hazard or excessive noise. Therefore, no impact would occur and no further analysis is required.

f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

No Impact. The emergency response plans in effect in the City of Los Angeles are the City's Emergency Operations Plan and the Los Angeles County Operational Area Emergency Response Plan (ERP). The City's Emergency Operations Plan provides guidance and structure to the City of Los Angeles Emergency Management Department, describes the overall citywide response functions and capabilities, and is to be used by each department identified within this Plan to develop their own standardized operating procedures (SOPs) specifically for their department to direct tactical operations.

The ERP identifies County agencies and other agencies that would be involved in emergency responses; threat summaries and assessments; and procedures for responding agencies that would be involved in coordinating and managing responses. The ERP is focused on emergencies beyond the scope of the daily functions of public safety agencies, such as emergencies requiring multi-agency and/or multi-jurisdictional responses.

[77] Airnav.com. 2023, October 16. https://airnav.com/cgi-bin/airport-search

Emergency preparedness and response planning would be coordinated through LAUSD's Office of Emergency Services. The existing school currently has an emergency school evacuation plan in compliance with District's "Integrated Safe School Plan". The Integrated Safe School Plan uses the Incident Command System (ICS). ICS is designed to centralize and coordinate emergency response actions among police, fire and other public agencies, including school districts. It provides an effective framework for managing emergencies ranging from minor incidents to major earthquakes, using a school site incident management team. LAUSD's Integrated Safe School Plan is compliant with the National Incident Management System (NIMS) and the California Standardized Emergency Management System (SEMS).

Project site plans would be reviewed by the Los Angeles Fire Department for adequate fire access. The District would comply with SC-PS-1 which requires that the local fire and police jurisdictions review all construction and site plans prior to the State Fire Marshall's final approval and SC-PS-2 requires that LAUSD prepare an Emergency Preparedness Plan for the school with emergency preparedness and response procedures. The proposed Project construction and operation would not interfere with existing emergency response plans or emergency evacuation plans. Therefore, no impact would occur and no further analysis is required.

g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

No Impact. The Project site is located in an urban and built-up area, which does not contain any wildlands in the immediate vicinity of the Campus. The Project site is generally flat without significant topography, and there are no steep slopes where high winds can exacerbate wildfire risks. Furthermore, CAL FIRE does not classify the Project site or any adjacent areas as being within a very high fire hazard safety zone (VHFHSZ)[78]. Project development would not place people or structures at risk from wildfire. Therefore, no impact would occur and no further analysis is required.

[78] California Department of Forestry and Fire Protection (CAL FIRE). 2023. https://egis.fire.ca.gov/FHSZ/

4. Environmental Checklist and Analysis

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
X. HYDROLOGY AND WATER QUALITY. Would the project:				
a. Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?	☐	☐	☒	☐
b. Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c. Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:	☐	☐	☒	☐
i) Result in substantial on- or offsite erosion or siltation;	☐	☐	☒	☐
ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	☐	☐	☒	☐
iii) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☒	☐
iv) Impede or redirect flood flows?	☐	☐	☒	☐
d. In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☐	☒
e. Conflict with or obstruct implementation of a water quality control plan or substantial ground water management plan?	☐	☐	☐	☒

The analysis in this section is based in part on "Preliminary Geotechnical Investigation Proposed Major Modernization 49th Street Elementary School," prepared by Geotechnical Professionals Inc., dated January 28, 2022. A complete copy of this report is included as Appendix F to this Initial Study.

EXPLANATION:

LAUSD applies SCs for minimizing impacts to hydrology and water quality. Applicable SCs related to hydrology and water quality impacts associated with the proposed Project are provided below:

LAUSD Standard Conditions of Approval	
SC-HWQ-1	LAUSD shall design and construct the project to meet or exceed the current and applicable stormwater guidelines. **Stormwater Technical Manual** This manual establishes design requirements and provides guidance for the cost-effective improvement of water quality in new and significantly redeveloped LAUSD school sites.

	These guidelines are intended to improve water quality and mitigate potential impacts to the Maximum Extent Practicable (MEP). These guidelines meet current post-construction Standard Urban Stormwater Mitigation Plan (SUSMP) and the mandated post-construction element of the NPDES program requirements
SC-HWQ-2	LAUSD shall implement the applicable stormwater requirements during construction activities. **Compliance Checklist for Storm Water Requirements at Construction Sites** This checklist has requirements for compliance with the General Construction Activity Permit and is used by OEHS to evaluate permit compliance. Requirements listed include a SWPPP; BMPs for minimizing storm water pollution to be specified in a SWPPP; and monitoring storm water discharges to ensure that sedimentation of downstream waters remains within regulatory limits.

Would the proposed Project:

a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Less than Significant Impact. A significant impact would occur if the proposed Project discharges water that does not meet the quality standards of agencies that regulate surface water quality and water discharge into stormwater drainage systems. A significant impact would also occur if the proposed Project does not comply with all applicable regulations with regard to surface water quality as governed by the State Water Resources Control Board (SWRCB).

New construction projects can result in two types of water quality impacts: (1) short-term impacts from discharge of soil through erosion, sediments, and other pollutants during construction and (2) long-term impacts from impervious surfaces (buildings, roads, parking lots, and walkways) that prevent water from being absorbed/soaking into the ground, thereby increasing the pollutants in stormwater runoff. Impervious surfaces can increase the concentration of pollutants, such as oil, fertilizers, pesticides, trash, soil, and animal waste, in stormwater runoff. Runoff from short-term construction and long-term operation can flow directly into lakes, local streams, channels, and storm drains and eventually be released untreated into the ocean.

The proposed Project would be constructed in an area that is already developed and already produces nonpoint-source pollutants. There is a storm drain maintained by the City of Los Angeles located one block south of the Project site on 51st Street and another 0.1 mile on Avalon Boulevard, west of the Project site. [79]

Construction Phase

Construction projects of one acre or more are regulated under the NPDES Construction General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order WQ No. 2022-0057-DWQ) issued by the SWRCB. Project applicants obtain coverage by developing and implementing a SWPPP, estimating pollutants from construction activities to receiving waters, and specifying BMPs that would

[79] Los Angeles County Public Works Department. 2023. Los Angeles County Storm Drain System. https://pw.lacounty.gov/fcd/StormDrain/index.cfm

be incorporated into the construction plan to minimize stormwater pollution. Prior to redevelopment, all applicable agencies would be contacted for requirements related to storm water run-off (including the SWRCB) and other development- and construction-related environmental requirements would be implemented (such as dust suppression). This would include the preparation and implementation of a SWPPP. This is also required under LAUSD Standard Condition of Approval SC-HWQ-2. Therefore, construction phase soil erosion and sedimentation would not degrade or violate water quality standards and impacts would be less than significant.

Operation Phase

After completion of the proposed Project, ground surfaces at the Project site would be either hardscape or maintained landscaping, as with current conditions, and no large areas of exposed soil would be left to erode off the Campus. The proposed Project would incorporate SC-HWQ-1, which requires implementation of cost-effective and low impact development like those provided in the LID Standards Manual issued by the County of Los Angeles Department of Public Works (DPW) in February 2014. The LID Standards Manual also complies with the Municipal Stormwater Permit for coastal watersheds of Los Angeles County, Order No. R4-2012-0175-A01, issued by the Los Angeles Regional Water Quality Control Board.

LID stormwater management would be incorporated into the Project design. LAUSD would comply with existing regulations and SC-HWQ-1. Therefore, operational phase stormwater runoff would not degrade or violate water quality standards and impacts would be less than significant.

b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

Less than Significant Impact. The Project site is over the Central Subbasin of the Coastal Plain of Los Angeles Groundwater Basin. The City of Los Angeles Department of Water and Power (DWP) supplies water to the Project site and the surrounding community. DWP water supplies consist of about 12 percent local groundwater, most of which is from the San Fernando Valley Groundwater Basin; 86 percent imported water from northern California via the State Water Project, from the eastern Sierra Nevada via the Los Angeles Aqueduct, and from the Colorado River via the Colorado River Aqueduct; and two percent recycled water. Groundwater was not encountered in subsurface explorations to 81.5 feet below existing grade during the geotechnical investigation of the site. Historical data provided by the California Geologic Survey (CGS) indicates historical high groundwater depth of approximately 45 to 50 feet below predominant site grades in the vicinity of the Project site. Construction and operation of the school improvements would not lower the groundwater table or deplete groundwater supplies. Furthermore, the 5.73-acre Project site does not provide intentional groundwater recharge. The proposed Project would not interfere with groundwater recharge. Therefore, impacts would be less than significant and no further analysis is required.

c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the additional of impervious surfaces, in a manner which would:

i) Result in a substantial erosion or siltation on- or off-site

Less than Significant Impact. There are no streams or rivers on the Project site. The school is fully-developed and the new buildings would not increase impermeable surfaces on Project site. There is a storm drain maintained by the City of Los Angeles located one block south of the Project site on 51st Street and another 0.1 mile on Avalon Boulevard. [80]

Construction Phase

Construction-related activities that expose soils to rainfall/runoff and wind are primarily responsible for erosion. During construction, erosion and siltation from the disturbed areas may occur. Construction activities would expose soil through excavation, grading, and trenching. Unless adequate erosion controls are installed and maintained during construction, sediment may enter storm drains. Proposed Project construction would comply with the Statewide Construction General Permit and implementation of BMPs specified in the SWPPP and SC-HWQ-2 (Compliance Checklist for Storm Water Requirements at Construction Sites). These requirements include provisions for erosion and pollution control measures to protect water quality in stormwater runoff and would not result in substantial erosion or siltation on- or off-site. Therefore, impacts would be less than significant and no further analysis is required.

Operation Phase

Upon completion of the proposed Project, drainage from the Project site would continue to be captured on-site or conveyed via the same storm drains as with existing conditions. The entire Project site would discharge less stormwater because of LID requirements. The County of Los Angeles has prepared the 2014 LID Standards Manual to comply with the requirements of the NPDES Municipal Separate Storm Sewer System (MS4) Permit for stormwater and non-stormwater discharges from the MS4 within the coastal watersheds of Los Angeles County (CAS004001, Order No. R4-2012-0175). LID employs principles such as preserving and recreating natural landscape features, minimizing effective imperviousness to create functional and appealing site drainage that treats stormwater as a resource rather than a waste product. There are many practices that have been used to adhere to these principles, such as bioretention facilities, rain gardens, vegetated rooftops, rain barrels, and permeable pavements. By implementing LID principles and practices, water can be managed in a way that reduces the impact of built areas and would not result in substantial erosion or siltation on- or off-site. Therefore, impacts would be less than significant and no further analysis is required.

[80] Los Angeles County Public Works Department. 2023. Los Angeles County Storm Drain System. https://pw.lacounty.gov/fcd/StormDrain/index.cfm

ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site

Less than Significant Impact. The drainage pattern of the proposed Project would be like existing conditions. Pursuant to LID standards and the State Model Water Efficient Landscape Ordinance (MWELO), the proposed on-site drainage system would discharge a net decrease in runoff to municipal storm drains. Thus, proposed Project development would not increase the amount of surface runoff in a manner that would result in flooding on- or off-site. Therefore, impacts would be less than significant and no further analysis is required.

iii) Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff

Less than Significant Impact. Project development would not result in runoff exceeding the capacity of the municipal storm drain system. As stated above, the proposed on-site drainage system would result in a net decrease in runoff to municipal storm drains, pursuant to LID standards and the State MWELO for landscaped areas. Therefore, runoff would not exceed the existing capacity of the stormwater drainage systems and impacts would be less than significant.

iv) Impede or redirect flood flows?

Less than Significant Impact. According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) depicting the Site parcel, Panel No. 34005C 0232G, the Project site is located in Zone X (unshaded) and is outside of 100-year and 500-year flood zones mapped by the Federal Emergency Management Agency.[81] However, as stated above, the Project would incorporate SC-HWQ-1, which requires implementation of cost-effective and low impact development like those provided in the LID Standards Manual issued by the County. The proposed on-site drainage system would result in a net decrease in runoff to municipal storm drains, pursuant to LID standards and the State MWELO for landscaped areas. Therefore, the proposed Project would not impede or redirect flood flows, and impacts are less than significant.

d) In flood hazard, tsunami, or seiche zones, would the Project risk release of pollutants due to project inundation?

No Impact. The Project site is outside of 100-year and 500-year flood zones mapped by the Federal Emergency Management Agency[82]. A seiche is an oscillating surface wave in a restricted or enclosed body of water, generated by ground motion, usually during an earthquake. Seiches are of concern for water storage facilities because inundation from a seiche can occur if the wave overflows a containment wall, such as the wall of a

[81] Federal Emergency Management Agency (FEMA). 2021. December. Accessed 2023, August. FEMA's National Flood Hazard Layer (NFHL) Viewer. https://msc.fema.gov/portal/search?AddressQuery=750%20E%2049th%20St%2C%20Los%20Angeles%2C%20CA%2090011

[82] Federal Emergency Management Agency (FEMA). 2021. December. Accessed 2023, August. FEMA's National Flood Hazard Layer (NFHL) Viewer. https://msc.fema.gov/portal/search?AddressQuery=750%20E%2049th%20St%2C%20Los%20Angeles%2C%20CA%2090011

reservoir, water storage tank, dam, or other artificial body of water. There are no adjacent body of water that would pose a flood hazard to the site due to a seiche. The school is not at risk of inundation by seiche.

Tsunamis are a type of earthquake-induced flooding produced by large-scale sudden disturbances of the sea floor. Tsunami waves interact with the shallow sea floor when approaching a landmass, resulting in an increase in wave height and a destructive wave surge into low-lying coastal areas. The Project site is at an elevation of approximately 174 feet to 179 feet above sea level[83] and is approximately 11 miles inland from the Pacific Ocean.

The Project site is outside the tsunami hazard zone and would not be affected by a tsunami. The proposed Project would not release pollutants as the result of floods, tsunami, or seiche. Therefore, no impact would occur and no further analysis is required.

e) Conflict with or obstruct implementation of a water quality control plan or sustainable ground water management plan?

No Impact. Construction of the proposed Project would be subject to the Statewide Construction General Permit and implementation of BMPs specified in the SWPPP and SC-HWQ-2 (Compliance Checklist for Storm Water Requirements at Construction Sites) that also requires control measures. After completion of the proposed Project, ground surfaces would be either hardscape or maintained landscaping. The proposed Project would incorporate SC-HWQ-1, which requires compliance with the LID Standards Manual issued by the County of Los Angeles Department of Public Works (DPW) in February 2014. The LID Standards Manual is compliant with the Municipal Stormwater Permit for coastal watersheds of Los Angeles County, Order No. R4-2012-0175-A01, issued by the Los Angeles Regional Water Quality Control Board. The proposed Project would comply with existing regulations and SC-HWQ-1 and SC-HWQ-2. The proposed Project would not obstruct implementation of a water quality control plan. Additionally, the proposed Project would not affect groundwater and would not obstruct implementation of a sustainable ground water management plan. Therefore, no impact would occur and no further analysis is required.

[83] Geotechnical Professionals Inc. 2022, January 28. Preliminary Geotechnical Investigation Proposed Major Modernization Project Report. 49th Street Elementary School.

4. Environmental Checklist and Analysis

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XI. LAND USE AND PLANNING. Would the project:				
a. Physically divide an established community?	☐	☐	☐	☒
b. Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☒	☐

EXPLANATION:

There are no land use and planning LAUSD SCs.

Would the proposed Project:

a) Physically divide an established community?

No Impact. The Project site and surrounding land is fully developed with urban land uses, including residential, recreational, and institutional uses. The proposed Project would be developed within the existing Campus boundaries and would not divide an established community. Therefore, no impact would occur and no further analysis is required.

b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

Less than Significant Impact. The Campus and surrounding developments are within the Southeast Los Angeles Community Plan, which is one of the 35 community plans that comprises the Land Use Element of the General Plan of the City of Los Angeles. The Project site is zoned PF-1 (Public Facility) and designated PF (Public Facilities) in the Southeast Los Angeles Community Plan. The PF-1 zone permits the use and development of publicly-owned land, including public elementary and secondary schools and the Public Facilities designation encourages the development of educational facilities. On February 19, 2019, the LAUSD Board of Education Adopted a Resolution to exempt all LAUSD school sites from local land use regulations under Government Code Section 53094. LAUSD school sites are exempt from all local ordinances, such as those pertaining to building height, parking, preservation and replacement of trees, construction permits (except those in the public right of way), recordation of parcel maps, signage, site plan review, and inspection.

The City of Los Angeles General Plan Land Use designation for the school property is 'Public Facilities', which allows public schools. New construction on the Project site would not represent a change in land use and would not conflict with existing plans, policies, or regulations adopted for the purpose of avoiding or mitigating environmental effects. Although no conflicts would occur, on February 19, 2019 the LAUSD Board of Exemption Adopted a Resolution to exempt all LAUSD school sites from local land use regulations under Government Code Section 53094. (Bd. Of Ed Rprt No. 256-18/19). Therefore, impacts would be less than significant and no further analysis is required.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XII. MINERAL RESOURCES. Would the project:				
a. Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b. Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☐	☐	☒

EXPLANATION:

There are no mineral resource LAUSD SCs.

Would the proposed Project:

a) Result in the loss of availability of a known mineral resource that would be a value to the region and the residents of the state?

No Impact. The Project site is mapped Mineral Resource Zone 3 (MRZ-3) by the California Department of Conservation[84], indicating that it is in an "area containing mineral deposits the significance of which cannot be evaluated from available data" No active mines are in the local vicinity.[85] The closest mine to Project site is the Durbin Mine, located approximately 17 miles northeast[86]. Neither the Project site nor the surrounding community is available for mining. The nearest active oil well is located approximately 0.5 mile to the southwest; and the nearest oil/gas field is the Las Cienegas Oil & Gas Field located approximately 2 miles north of the Project site[87]. Development of the proposed Project would not cause a loss of availability of a known mineral resource valuable to the region and the state. Therefore, no impact would occur and no further analysis is required.

b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

No Impact. As discussed in section XII(a), the Project site is not mapped in a mineral resource area, a surface mining district, an oil drilling district, or in a State-designated oil field. No zoning, general plan, specific plan, or any other land use plan delineates the site as a site containing mineral resources. As such, it is not currently used for mineral resource extraction, and there are no plans to use the site for mineral resource extraction in the future due to the lack of presence of mineral resources. Development of the proposed Project would not cause a loss of availability of a mining site. Therefore, no impact would occur and no further analysis is required.

[84] California Department of Conservation. 2023. CGS Information Warehouse: Mineral Land Classification. https://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=mlc
[85] California Department of Conservation. Division of Mine Reclamation. https://maps.conservation.ca.gov/mol/index.html
[86] California Department of Conservation. Division of Mine Reclamation. https://maps.conservation.ca.gov/mol/index.html
[87] California Department of Conservation. Well Finder. https://maps.conservation.ca.gov/doggr/wellfinder/

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	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIII. NOISE. Would the project result in:				
a. Generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☒	☐
b. Generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

Noise and vibration background and modeling data used in this analysis are included as Appendix I of this Initial Study.

EXPLANATION:

LAUSD applies SCs for minimizing impacts to noise. Applicable SCs related to noise impacts associated with the proposed Project are provided below:

LAUSD Standard Conditions of Approval	
SC-N1	LAUSD shall design new buildings and other noise-generating sources to include features such as sound walls, building configuration, and other design features that attenuate exterior noise levels on a school campus to less than 67 dBA L_{eq}.[23]
SC-N2	LAUSD shall analyze the acoustical environment of the site (such as traffic) and the characteristics of planned building components (such as Heating, Ventilation, and Air Conditioning [HVAC]), and designs shall achieve interior classroom noise levels of less than 45 dBA L_{eq} with a target of 40 dBA L_{eq} (unoccupied), and a reverberation time of 0.6 seconds. Noise reduction methods shall include, but are not limited to, sound walls, building and/or classroom insulation, HVAC modifications, double-paned windows, and other design features. • New construction should achieve classroom acoustical quality consistent with the current School Design Guide and CHPS (California High Performance Schools) standard of 45 dBA L_{eq}. • New HVAC installations should be designed to achieve the lowest possible noise level consistent with the current School Design Guide. HVAC systems shall be designed so that noise from the system does not cause the ambient noise in a classroom to exceed the current School Design Guide and CHPS standard of 45 dBA L_{eq} • Modernization of existing facilities and/or HVAC replacement projects should improve the sound performance of the HVAC system over the existing system. • The District's purchase of new units should give preference to HVAC manufacturers that sell the lowest noise level units at the lowest cost.

	• Existing HVAC units operating in excess of 45 dBA Leq inside classrooms should be modified
SC-N4	LAUSD or its Construction Contractor shall consult and coordinate with the school principal or site administrator, and other nearby noise sensitive land uses prior to construction to schedule high noise or vibration producing activities to minimize disruption. Coordination between the school, nearby land uses and the Construction Contractor shall continue on an as-needed basis throughout the construction phase of the project to reduce school and other noise sensitive land use disruptions.
SC-N7	LAUSD shall meet with the Construction Contractor to discuss alternative methods of demolition and construction for activities within 25 feet of a historic building to reduce vibration impacts. During the preconstruction meeting, the Construction Contractor shall identify demolition methods not involving vibration-intensive construction equipment or activities. For example: sawing into sections that can be loaded onto trucks results in lower vibration levels than demolition by hydraulic hammers. • Prior to construction activities, the Construction Contractor shall inspect and report on the current foundation and structural condition of the historic building. • The Construction Contractor shall implement alternative methods identified in the preconstruction meeting during demolition, excavation, and construction, such as mechanical methods using hydraulic crushers or deconstruction techniques. • The Construction Contractor shall avoid use of vibratory rollers and packers adjacent to the building. • During demolition, the Construction Contractor shall not phase any ground-impacting operations near the building to occur at the same time as any ground impacting operation associated with demolition and construction. During demolition and construction, if any vibration levels cause cosmetic or structural damage to the building or structure, a “stop-work” order shall be issued to the Construction Contractor immediately to prevent further damage. Work shall not restart until the building is stabilized and/or preventive measures to relieve further damage to the building are implemented.
SC-N8	Projects within 500 feet of a non-LAUSD sensitive receptor, such as a residence, shall be reviewed by OEHS to determine what, if any, feasible project specific noise reduction measures are needed. The Construction Contractor shall implement project specific noise reduction measures identified by OEHS. Noise reduction measures may include, but are not limited to, the following: <u>Source Controls</u> • Time Constraints – prohibiting work during sensitive nighttime hours. • Scheduling – performing noisy work during less sensitive time periods (on operating campus: delay the loudest noise generation until class instruction at the nearest classrooms has ended; residential: only between 7:00 AM and 7:00 PM). • Equipment Restrictions – restricting the type of equipment used. • Substitute Methods – using quieter methods and/or equipment. • Exhaust Mufflers – ensuring equipment has quality mufflers installed. • Lubrication & Maintenance – well maintained equipment is quieter. • Reduced Power Operation – use only necessary size and power. • Limit Equipment On-Site – only have necessary equipment on-site. • Noise Compliance Monitoring – technician on site to ensure compliance. • Quieter Backup Alarms – manually-adjustable or ambient sensitive types. <u>Path Controls</u>

4. Environmental Checklist and Analysis

	• Noise Barriers – semi-permanent or portable wooden or concrete barriers. • Noise Curtains – flexible intervening curtain systems hung from supports. • Enclosures – encasing localized and stationary noise sources. • Increased Distance – perform noisy activities farther away from receptors, including operation of portable equipment, storage and maintenance of equipment. <u>Receptor Controls</u> • Window Treatments – reinforcing the building's noise reduction ability. • Community Participation – open dialog to involve affected residents. • Noise Complaint Process – ability to log and respond to noise complaints. • Advance notice of the start of construction shall be delivered to all noise sensitive receptors adjacent to the project area. The notice shall state specifically where and when construction activities will occur, and provide contact information for filing noise complaints with the Construction Contractor and the District. In the event of noise complaints noise shall be monitored from the construction activity to ensure that construction noise is not obtrusive.
SC-N9	Construction Contractor shall ensure that LAUSD interior classroom noise and exterior noise standards are met to the maximum extent feasible, or that construction noise is not disruptive to the school environment, through implementation of noise control measures, as necessary.[24] Noise control measures may include, but are not limited to: <u>Path Controls</u> • Noise Attenuation Barriers[25] – Temporary noise attenuation barriers installed blocking the line of sight between the noise source and the receiver. Intervening barriers already present, such as berms or buildings, may provide sufficient noise attenuation, eliminating the need for installing noise attenuation barriers. <u>Source Controls</u> • Scheduling – performing noisy work during less sensitive time periods (on operating campus: delay the loudest noise generation until class instruction at the nearest classrooms has ended; residential areas: only between 7:00 AM and 7:00 PM). • Substitute Methods – using quieter methods and/or equipment. • Exhaust Mufflers – ensuring equipment has quality mufflers installed. • Lubrication & Maintenance – well maintained equipment is quieter. • Reduced Power Operation – use only necessary size and power. • Limit Equipment On-Site – only have necessary equipment on-site. • Quieter Backup Alarms – manually-adjustable or ambient sensitive types. If OEHS determines that the above noise reduction measures will not reduce construction noise to below the levels permitted by LAUSD's noise standards LAUSD shall mandate that construction bid contracts include the following receptor controls: <u>Receptor Controls</u> • Temporary Window Treatments – temporarily reinforcing the building's noise reduction ability. Temporary Relocation – in extreme otherwise unmitigable cases, students shall be moved to temporary classrooms / facilities away from the construction activity.

Noise is defined as unwanted sound and is known to have potential adverse effects on people, including hearing loss, speech and sleep interference, physiological responses, and annoyance. Based on these known adverse effects of noise, the federal government, State of California, City of Los Angeles, and LAUSD have established criteria to protect public health and safety and to prevent the disruption of certain human activities, such as classroom instruction.

Would the proposed Project:

a) Generation of substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable local, state, or federal standards?

Less than Significant Impact. Noise is unwanted or harmful sound; sound that is too loud is distracting or, worse, injurious. For school projects, the State of California, City of Los Angeles, and LAUSD have established noise standards to protect public health and safety and to prevent the disruption of certain human activities, such as classroom instruction.

State Noise Regulations

The California Green Building Standards Code (CALGreen) has requirements for insulation that affect exterior-interior noise transmission for non-residential structures.[88] Pursuant to CALGreen Section 5.507.4.1, Exterior Noise Transmission,[89] wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite sound transmission class (STC) rating of at least 50 or a composite outdoor-indoor transmission class (OITC) rating of no less than 40 with exterior windows of a minimum STC of 40 or OITC of 30 within a 65 dBA CNEL or L_{dn} noise contour of an airport, freeway or expressway, railroad, industrial source or fixed-guideway source. Where noise contours are not readily available, buildings exposed to a noise level of 65 dBA L_{eq} during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum of STC 40 (or OITC 30).

City of Los Angeles Noise Regulations

The City of Los Angeles has established policies and regulations concerning the generation and control of noise that could adversely affect noise sensitive land uses.[90] The City does not have established standards for school operational noise.

[88] Multi-family residential buildings greater than three stories are considered under the non-residential standards in Title 24.

[89] California Green Building Standards Code. Chapter 5 Nonresidential Mandatory Measures. Division 5.1 PLANNING AND DESIGN. Section 5.507 Environmental Comfort. 5.507.4.1 Exterior noise transmission, prescriptive method. https://up.codes/viewer/california/ca-green-code-2016/chapter/5/nonresidential-mandatory-measures#5

[90] The City of Los Angeles General Plan identifies noise-sensitive receptors as: single-family and multi-unit dwellings, long-term care facilities (including convalescent and retirement facilities), dormitories, motels, hotels, transient lodgings and other residential uses; houses of worship; hospitals; libraries; schools; auditoriums; concert halls; outdoor theaters; nature and wildlife preserves, and parks.

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For construction noise, Los Angeles Municipal Code LAMC Section 41.40 (Noise Due to Construction, Excavation Work – When Prohibited)[91] states that no construction or repair work, or any excavating for, any building or structure, shall be performed between the hours of 9:00 PM and 7:00 AM. In addition, the operation, repair or servicing of construction equipment and the job-site delivery of construction materials in such areas shall be prohibited between the hours of 9:00 PM and 7:00 AM.

No person, other than an individual homeowner engaged in the repair or construction of his/her single-family dwelling, shall perform any construction or repair work of any kind or perform such work (or operation, repair or servicing of construction equipment and the job-site delivering of construction materials) within 500 feet of land so occupied before 8:00 AM or after 6:00 PM on any Saturday or on a federal holiday, or at any time on Sunday. Under certain conditions, the City may grant a waiver to allow limited construction activities to occur outside of the limits described above. This code does not apply to emergency repair work.

LAMC Section 112.05 (Maximum Noise Level of Powered Equipment or Powered Hand Tools)[92] states that "Between the hours of 7:00 a.m. and 10:00 p.m., in any residential zone of the City or within 500 feet thereof, no person shall operate or cause to be operated any powered equipment or powered hand tool that produces a maximum noise level exceeding the following noise limits at 50 feet therefrom:

(a) 75 dB(A) for construction, industrial, and agricultural machinery including crawler-tractors, dozers, rotary drills and augers, loaders, power shovels, cranes, derricks, motor graders, paving machines, off-highway trucks, ditchers, trenchers, compactors, scrapers, wagons, pavement breakers, compressors and pneumatic or other powered equipment…"

However, this noise limitation does not apply where compliance is technically infeasible. Technically infeasible means the above noise limitation cannot be met despite the use of mufflers, shields, sound barriers and/or any other noise reduction device or techniques during the operation of equipment.

Construction Noise

Noise generated during construction is based on the type of equipment used, the location of the equipment relative to sensitive receptors, amount of equipment operating at the same time, and the timing and duration of the noise-generating activities. Sensitivity to noise is based on the location of the equipment relative to sensitive receptors, time of day, and the duration of the noise-generating activities. Two types of short-term noise could occur during construction: (1) mobile-source noise from the transport of workers, material deliveries, and debris/soil hauling and (2) onsite noise from use of construction equipment. Construction is anticipated to start in the second quarter of 2025 and finish in the second quarter of 2029.

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91 Los Angeles Municipal Code. Chapter IV Public Welfare. Section 41.40 (Noise Due to Construction, Excavation Work – When Prohibited) http://library.amlegal.com/nxt/gateway.dll/California/lamc/municipalcode?f=templates$fn=default.htm$3.0$vid=amlegal:losangeles_ca_mc

92 Los Angeles Municipal Code. Chapter XI Noise Regulation. Article 2 Special Noise Sources Section 112.05 (Maximum Noise Level of Powered Equipment or Powered Hand Tools). http://library.amlegal.com/nxt/gateway.dll/California/lamc/municipalcode?f=templates$fn=default.htm$3.0$vid=amlegal:losangeles_ca_mc

Construction Vehicles

The transport of workers and equipment to the construction site would incrementally increase noise levels along access roadways. The highest construction worker and vendor traffic would have a maximum of about 36 worker and vendor trips per day over a time span of 33 days during site preparation. Throughout construction, the size of the work crew at the school each day would vary depending on the construction phase and construction activities.[93]

The number of construction-related trips would not significantly increase traffic noise when compared to the level of noise currently generated on the roadways. When compared to existing traffic, such as existing elementary school enrollment of 568 students (estimated at 1,074 average daily trips [ADT])[94], the additional 36 worker and vendor construction-related trips would be negligible.

SC-T-4 requires that construction trips avoid peak hour traffic periods; therefore, trips would be spread out throughout the day. While individual construction vehicle pass-bys may create momentary noise levels of up to approximately 85 dBA (L_{max}) at 50 feet from the vehicle, these occurrences would be infrequent and primarily during nonpeak traffic periods. Therefore, noise impacts from construction-related traffic would be less than significant and no further analysis is required.

Construction Equipment

Each stage of construction involves the use of different kinds of construction equipment and therefore has its own distinct noise characteristics. Table 10, *Construction Equipment Noise Levels*, lists maximum construction equipment noise levels at 50 feet.[95]

Table 10. Construction Equipment Noise Levels

Equipment	Noise Level (dBA, Lmax) at 50 ft
Auger Drill Rig	85
Backhoe	80
Chain Saw	85
Clam Shovel	93
Compactor (ground)	80
Compressor (air)	80
Concrete Mixer Truck	85
Concrete Pump	82
Concrete Saw	90
Crane (mobile or stationary)	85

[93] Worker trips based on California Emissions Estimator Model (CalEEMod), version 2016.3.2.

[94] Based on the ITE Trip Generation Manual 9th Edition. Public school daily trip rates for elementary school at 1.89 daily trips per student x 568 (existing) students = 1,074 average daily trips.

[95] Duty cycles (see table) are related to the percentage of utilization of each piece of equipment at typical construction phases for development projects such as schools, and are used to calculate average noise levels in a given period.

Table 10. Construction Equipment Noise Levels

Equipment	Noise Level (dBA, Lmax) at 50 ft
Dozer	85
Dump Truck	84
Excavator	85
Front End Loader	80
Generator (25 KVA or less)	70
Generator (more than 25 KVA)	82
Grader	85
Hydra Break Ram	90
Jackhammer	85
Mounted Impact Hammer (hoe ram)	90
Paver	85
Pneumatic Tools	85
Pumps	77
Scraper	85
Tractor	84
Vacuum Excavator	85
Vibratory Concrete Mixer	80

Source: FHWA, 2006. Construction Noise Handbook. August.
Note: KVA = kilovolt amps

Construction equipment typically moves around the site and has variable power levels. Noise from construction equipment decreases by approximately 6 dBA with each doubling of distance from the source. For example, the noise levels from a bulldozer that generates 85 dBA at 50 feet would attenuate to 79 dBA at 100 feet, 73 dBA at 200 feet, 67 dBA at 400 feet, and 61 dBA at 800 feet. Also, noise levels are reduced by the amount of use as well as barrier effects provided by buildings.

On-Campus Receptors

Interim portable classroom facilities at 50 feet from construction activities that have a direct sightline may experience exterior noise levels as high as 90 dBA L_{max}. With a typical 25 dB exterior-to-interior noise reduction, interior noise levels may be as high as 65 dBA L_{max}.

LAUSD's interior noise threshold is 45 dBA and depending on the classroom activity, interior levels above this threshold may be disruptive to the learning environment. However, low-intensity construction phases would generate lower noise levels and would be less likely to result in disruptions due to excessive interior noise environments. Additionally, for some construction activities, noise would be further reduced by shielding effects from buildings between the construction zone and classrooms.

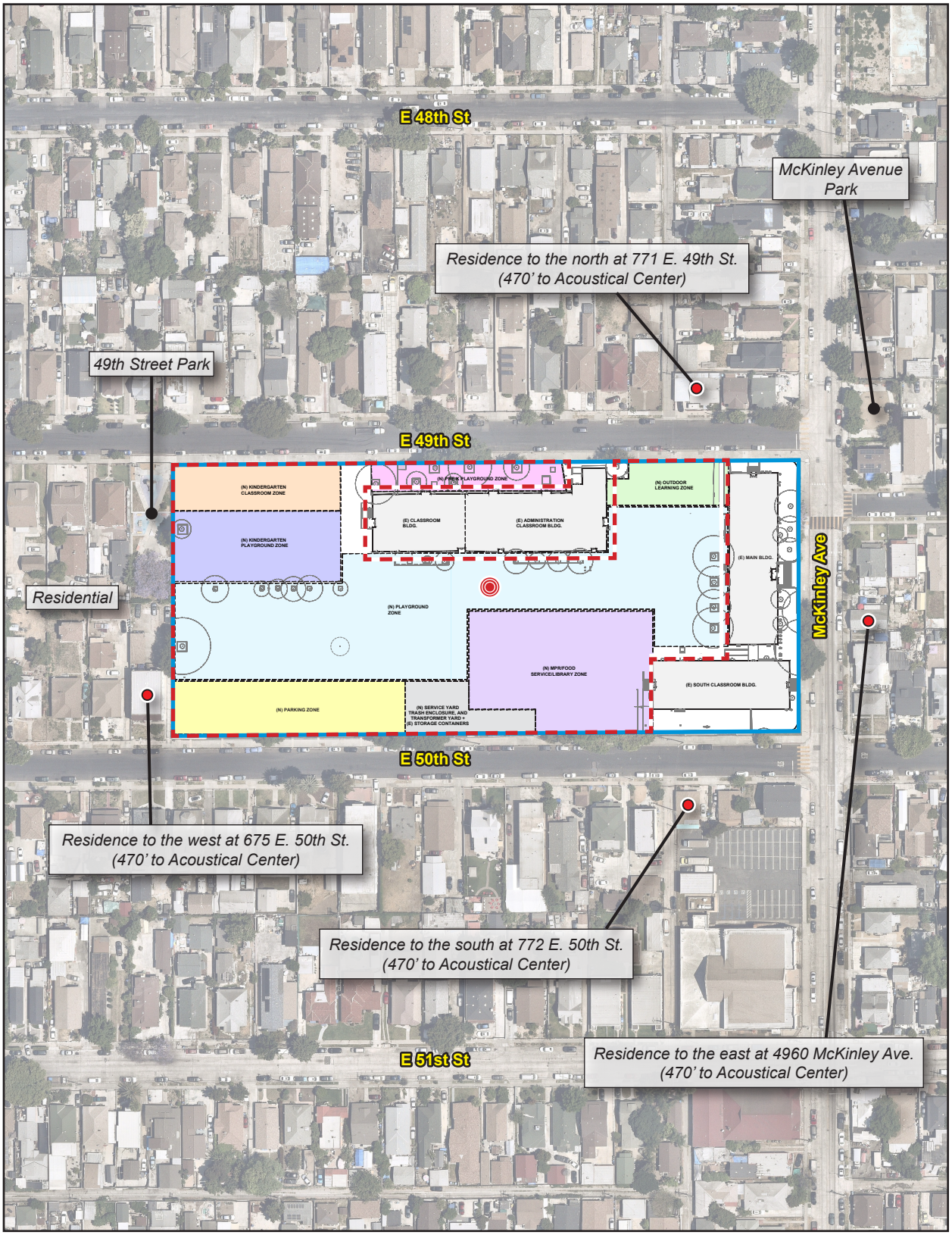
Implementation of SC-N-4, SC-N-7 and SC-N-9 requires: construction equipment that is properly tuned and maintained to ensure excessive noise is not generated, coordination between construction contractor and school administrators prior to and throughout construction to schedule high noise producing activities at times that minimize disruption to classes (SC-N-4); and where feasible, alternative methods of demolition and construction for activities within 25 feet of a historic building (or non-historic buildings more than 45 year old) to reduce vibration impacts (SC-N-7; this measure would also reduce noise in classrooms). Additionally, compliance with SC-N-8 requires source controls (time constraints, equipment location and type restrictions, etc.), path controls (noise barriers capable of attenuating construction noise by 15 dBA), and/or receptor controls (notification and noise complaint process) to reduce noise impacts. The specific method under SC-N-8 would depend on the type of construction noise, duration, and classroom disruption. As with other construction projects occurring at schools throughout the District, if construction occurs while classes are in session, SC-N-4 and SC-N-7 would be implemented to avoid noise disruptions. Additionally, SC-N-8 would be implemented to control the timing for the operation of noise-generating equipment and would make every effort to move students away from noisy construction phases. Finally, if the construction noise disruption cannot be avoided the contractor would install noise barriers, as appropriate, to limit construction noise levels. Construction would not generate a substantial noise increase in excess of established standards. Impacts would be less than significant and no further analysis is required.

Off-Site Receptors

The nearest off-site sensitive receptors from the acoustical center of the construction site are the single-family residences approximately 225 feet north across 49th Street and to the south across East 50th Street. The acoustical center of the construction site would be located approximately within the center of the Project Site/Area of Work. Other nearby off-site receivers are also single-family residences to the west approximately 333 feet west and 470 feet east from the acoustical center of the construction site. Figure 11, *Acoustical Noise,* presents the chosen receptors for analysis purposes below and shows the acoustical center of the construction. The anticipated construction equipment mix was categorized by construction activity using the FHWA Roadway Construction Noise Model (RCNM)[96]. The maximum and average noise levels—grouped by construction phase—are summarized in Table 11, *Project-Related Construction Noise Levels*.

[96] Federal Highway Administration (FHWA). 2006, January. FHWA Roadway Construction Noise Model (RCNM) User's Guide.

Figure 11 - Acoustical Noise



Source: Nearmap 2023; DLR Group 2023.

Table 11. Project-Related Construction Noise Levels

Construction Phase	Maximum at 50 feet (Lmax dBA)	Residences 225 feet to the North[a]	Residences 470 feet to the East[a]	Residences 225 feet to the South[a]	Residences 333 feet to the West[a]
Demolition	90	77	71	77	74
Site Prep	84	71	65	71	68
Grading	85	72	66	72	69
Building Construction	84	71	65	71	68
Architectural Coating	78	65	59	65	62
Paving	90	77	71	77	74

Source: FHWA, August.2006. Construction Noise Handbook.
[a] Noise levels are Lmax dBA, as measured from the acoustical center of the construction site to the nearest property line.

According to LAMC Section 41.40, construction or repair work is allowed between 7:00 AM and 9:00 PM, Monday through Friday, and between 8:00 AM and 6:00 PM on Saturdays or national holidays (not allowed on Sundays). District contractors would comply with City regulations for construction hours.

LAMC Section 112.05 specifies the maximum noise level of 75 dBA at 50 feet. However, this noise limitation does not apply where compliance is technically infeasible. Technically infeasible means the above noise limitation cannot be met despite the use of mufflers, shields, sound barriers and/or any other noise reduction device or techniques during the operation of equipment. As shown in Table 11, the construction noise levels would average between 62 and 77 dBA L_{max} at the nearest sensitive receptors. At times when construction equipment is operating at the western edge of the construction site, noise levels could sporadically reach 90 dBA L_{max} only during the paving and demolition phase. However, this would not be constant or long term on a day-to-day or week-to-week basis.

Implementation of SC-N-8 requires all feasible measures to reduce construction noise below the Municipal Code standard through source controls (e.g., scheduling, equipment restrictions, mufflers, reduced power, noise compliance monitoring), path controls (e.g., temporary noise barriers, noise curtains, enclosures), and receptor controls (e.g., community participation, noise complaint response and communications). With implementation of SC-N-8 construction noise levels could be reduced by up to 15 dBA. During paving, which is estimated to be the loudest phase, this would reduce construction noise levels to approximately 75 dBA L_{max}, which would not exceed the 75 dBA L_{max} criterion. Construction would not generate a substantial noise increase in excess of established standards. Impacts would be less than significant and no further analysis is required.

Mobile Source Noise

To determine if a project would cause a substantial noise increase from project-related traffic, consideration must be given to the magnitude of the increase and the affected receptors. In general, for community noise, a noise level increase of three dBA (which equals a doubling of the noise source energy) is considered barely perceptible, while an increase of five dBA is considered clearly noticeable. An increase of three dBA is often used as a threshold for a substantial increase.

The proposed Project would not result in an increase in student capacity and therefore would not increase traffic volumes and corresponding noise levels. Therefore, long term noise impacts along local roadways would be less than significant and no further analysis is required.

Stationary Source Noise

Operation of the Project could include use of rooftop heating, ventilation, and air conditioning systems (HVAC). Such equipment would typically generate noise levels ranging up to 72 dBA at a distance of three feet. The noise generated by mechanical systems to be installed on the new building is expected to be similar to the mechanical equipment noise generated by surrounding buildings in the area. Conservatively assuming the nearest proposed building is within 50 feet of the Project site boundary, the nearest sensitive receptors would be residents abutting to Project site boundary to the west. At this distance, HVAC noise would attenuate to approximately 48 dBA, thereby the overall noise from HVAC would be less than 50 dBA during the daytime, which would not exceed City noise standards for residential uses.[97] SC-N-2 has restrictions on HVAC noise to limit potential noise impacts for HVAC installation that would exceed established standards. Impacts would be less than significant and no further analysis is required.

Other noise sources that are considered stationary include vehicles idling during student drop-off and pick-up times, students during outdoor activities, school buzzers or bells, and landscaping equipment.

Vehicle-related sounds during student drop-off and pick-up times (such as braking, car doors closing, honking, and idling engines) would temporarily raise the localized ambient noise along the school frontage since pick-up and drop-off activity would occur curbside, however, it would only occur twice a day during the school year. Therefore, student drop-off and pick-up activities would not significantly raise the community noise levels. Impacts would be less than significant and no further analysis is required.

b) Generation of excessive groundborne vibration or groundborne noise levels?

Less than Significant Impact.

Operational Vibration

Typically, the land uses that result in vibration impacts are industrial businesses that use heavy machinery or railroads where passing trains generate perceptible levels of vibration. The proposed Project is an elementary school, and there would be no significant vibration-generating sources during operation; therefore, no impacts would occur.

Construction Vibration

Construction activities can generate varying degrees of ground vibration, depending on the construction procedures, the equipment used, and the proximity to vibration-sensitive uses. Operation of construction equipment generates vibrations that spread through the ground and diminish in amplitude with distance from the source. The effect on buildings near a construction site varies depending on soil type, ground strata, and receptor building construction. The generation of vibration can range from no perceptible effects at the lowest

[97] Los Angeles Municipal Code Section 111.03.

vibration levels, to low rumbling sounds and perceptible vibrations at moderate levels, to slight damage at the highest levels. Ground vibrations from construction activities rarely reach levels that can damage structures but can achieve levels in buildings close to a construction site that are perceptible.[98] Table 12, *Construction Equipment Vibration Levels*, lists vibration levels for different types of construction equipment.

Table 12. Construction Equipment Vibration Levels

Equipment	Approximate RMS[1] Velocity at 25 feet (VdB)	Approximate PPV[2] at 25 feet (in/sec)
Pile Driver, Impact (Upper Range)	112	1.518
Pile Driver, Impact (Typical)	104	0.644
Pile Driver, Sonic (Upper Range)	105	0.734
Pile Driver, Sonic (Typical)	93	0.170
Vibratory Roller	94	0.210
Large Bulldozer	87	0.089
Caisson Drilling	87	0.089
Loaded Trucks	86	0.076
Jackhammer	79	0.035
Small Bulldozer	58	0.003

Source: Federal Transit Administration (FTA), Transit Noise and Vibration Impact Assessment, September 2018.
[1] RMS velocity calculated from vibration level (VdB) using the reference of 1 microinch/second and a crest factor of 4.
[2] PPV – peak particle velocity measured in inches/second.

Construction vibration effects are typically assessed in terms of either architectural damage or annoyance to nearby people. Construction equipment such as jackhammers, high-power or vibratory tools, and rolling stock equipment (tracked vehicles, compactors, etc.) could generate vibration in the immediate vicinity.

Typical construction equipment rarely exceeds vibration levels that are perceptible.[99] Groundborne vibration is rarely annoying to people who are outdoors, so it is usually evaluated in terms of indoor receivers. For annoyance, vibration is typically noticed nearby when objects in a building generate noise from rattling windows or picture frames; impacts are based on the distance to the nearest building.[100]

Construction Vibration-Induced Annoyance

Human annoyance occurs when vibration rises significantly above the threshold of human perception for extended periods of time. A threshold commonly used to assess when construction vibration becomes annoying is above 78 VdB for residential uses.[101]

[98] Federal Transit Administration (FTA). 2018, September. Transit Noise and Vibration Impact Assessment. U.S. Department of Transportation (DoT). FTA-VA-90-1003-06.
[99] As measured at a distance of 25 feet from an individual piece of equipment perceptible vibration would be 0.1 peak particle velocity (PPV) in inches per second. Architectural damage at typical building structures may occur at 0.2 to 0.5 PPV in inches per second.
[100] Federal Transit Administration (FTA). 2018, September. Transit Noise and Vibration Impact Assessment. United States Department of Transportation. FTA-VA-90-1003-06.
[101] Federal Transit Administration, 2018. *Transit Noise and Vibration Impact Assessment Manual*. September.

4. Environmental Checklist and Analysis

Vibration annoyance is typically assessed via a spatial-averaging methodology (i.e., as heavy construction equipment moves around the construction site, average vibration levels at the nearest structures would diminish with increasing distance between structures and the equipment). This methodology is implemented by using the distance from the center of the construction zone to the nearest sensitive receptors.

Table 13, *Construction Equipment Vibration Annoyance*, shows the vibration levels from typical construction equipment at adjacent receptors. As shown, vibration from construction activities is not anticipated to be perceptible at the nearest receptors.

Table 13. Construction Equipment Vibration Annoyance

Equipment	Vibration Annoyance Threshold				
	Reference Vibration VdB at 25 feet	Residence to the North at 771 East 49th Street (225 Feet)[a] [78 VdB][b]	Residence to the East at 4960 McKinley Avenue (470 Feet)[a] [78 VdB][b]	Residence to the South at 772 East 50th Street (225 feet)[a] [78 VdB][b]	Residence to the West at 675 East 50th Street (333 feet)[a] [78 VdB]
Vibratory Roller	94.0	65.4	55.8	65.4	60.3
Static Roller	82.0	53.4	43.8	53.4	48.3
Large Bulldozer	87.0	58.4	48.8	58.4	53.3
Loaded Trucks	86.0	57.4	47.8	57.4	52.3
Jackhammer	79.0	50.4	40.8	50.4	45.3
Small Bulldozer	58.0	29.4	19.8	29.4	24.3

Source: Federal Transit Administration (FTA), Transit Noise and Vibration Impact Assessment, September 2018.
Notes:
[a] Construction activities are typically distributed throughout the Project site and would only occur for a limited duration when vibration producing equipment is operating in close proximity to receptors. Therefore, distances to the nearest receptors are measured from the center of the construction site to represent the average vibration level.
[b] Residences have a daytime residential threshold of 78 VdB; industrial buildings have a "office" threshold of 84 VdB; the storage facility has a "workshop" threshold of 90 VdB (because of the lack of occupancy during any given day).
[c] A large bulldozer is above an operating weight of 85,000 pounds (represented by a Caterpillar D8-class or larger); medium bulldozer has an operating weight range of 25,000 to 60,000 pounds (such as a Caterpillar D6- or D7-class); and a small bulldozer has an operating weight range of 15,000 to 20,000 pounds (such as a Caterpillar D3-, D4-, or D5-class).

As heavy construction equipment moves around the Project site, average vibration levels at the nearest structures would diminish with increasing distance between structures and the equipment and would generally not be perceptible. As part of the Project, implementation of SC-N-5 requires the use of less-vibration-intensive equipment when working next to existing buildings. Under SC-N-4, LAUSD Facilities Division or its construction contractor shall consult and coordinate nearby noise sensitive land uses prior to construction to schedule high noise or vibration producing activities to minimize disruption.

As required by the City of Los Angeles Municipal Code Section 41.40, construction activities would not occur outside of the allowable hours of 7:00 AM to 9:00 PM Monday through Friday or 8:00 AM and 6:00 PM on Saturdays. No construction activities would occur on Sundays or federal holidays. Annoyance vibration impacts would be less than significant, and no further analysis is required.

On-Campus Receptors

Since construction activities may take place while school is in session and since temporary classroom facilities may be located near the construction site, it is possible that the students' learning activities could be affected. However, to the extent feasible, a substantial amount of construction work would be conducted during school breaks when students are not on Campus.

Depending on construction and classroom schedule construction areas may be adjacent to active classrooms; however, it is not possible to assess specific vibration levels for every possible scenario over the course of the construction period. Generally, students in classrooms may experience vibration levels more than 78 VdB when vibratory rollers operate within approximately 85 feet of the classrooms, and within approximately 50 feet of large bulldozers and other heavy equipment. At 78 VdB vibrations are barely felt, but groundborne noise may be audible. Vibration levels would diminish rapidly with increased distance between the receptors and the equipment, and construction activities farther than 85 feet from classrooms would not be felt. Implementation of SC-N-5 provides requirements for discussions between construction contractor and school administrators prior and throughout construction to schedule high vibration producing activities at times that minimize disruption to classes.

Implementation of SC-N-5 would reduce construction vibration and annoyance to staff and students in adjacent buildings. School administration and the construction contractor will work together to communicate and coordinate construction activities, location, schedule, and potential vibration-intensive activities during each construction phase. Administrators may arrange for alternative classroom occupancy in the event that construction vibration causes any disturbance to classroom instruction. Other typical methods for dealing with classroom disruption are for the construction contractor to conduct vibration-intensive activities before or after class instruction at the nearest classrooms. Some construction work would be conducted during school breaks when students are not on Campus. Therefore, construction-generated vibration annoyance for on-Campus receptors would be less than significant and no further analysis is required.

Construction Vibration-Induced Architectural Damage

Since damage from vibrational energy is typically a one-time event and is most likely to occur when the source and receptor are very close. The threshold for the assessment of risk of architectural damage is 0.2 inches per second peak particle velocity (in/sec PPV) for typical residential and school buildings.[102] Vibration levels exceed 0.2 PPV in/sec if a vibratory roller is operated within approximately 25 feet of the receiving structure, or when large bulldozers or loaded trucks are operated at distances closer than 15 feet.

Table 14, *Construction Equipment Vibration Damage*, shows the reference vibration levels for typical construction equipment. Impacts would be less than significant, and no further analysis is required with the implementation of LAUSD standard conditions of approval.

[102] FTA category "non-engineered timber and masonry buildings"

Table 14. Construction Equipment Vibration Damage

Equipment	Vibration Levels at 25 Feet PPV (inch/sec)
Vibratory Roller	0.21
Static Roller	0.05
Large Bulldozer	0.089
Small Bulldozer	0.003
Jackhammer	0.035
Loaded Trucks	0.076

Source: Federal Transit Administration (FTA), Transit Noise and Vibration Impact Assessment, September 2018.

Off-Site Receptors

The nearest off-Campus structure is a residence approximately 10 feet to the west of the Project site boundary. At 10 feet, there could be a potential for architectural damage due to construction vibration from vibratory rollers and large bulldozers. At the off-site sensitive receptors, maximum vibration levels could reach up to 0.830 in/sec PPV from the use of a vibratory roller at 10 feet, which would be above the threshold of 0.2 in/sec PPV. Additionally, the main classroom building approximately 15 feet to the east from the development zone boundary is considered historic, therefore, SC-N-7 would be applied to reduce the possibility of architectural damage to historic buildings. SC-N-7 requires the use of less-vibration-intensive equipment when working next to existing historic buildings. Alternatives shall include mechanical methods using static, non-vibratory rollers or small bulldozers in lieu of large bulldozers. Additionally, implementation of inspection and reporting on the current foundation and structural condition of the existing building. Therefore, with implementation of these standard conditions, impacts from vibration-induced architectural damage would be less than significant to the historic on-site building and off-site sensitive receptors.

On-Campus Receptors

Many onsite buildings are located adjacent to areas where demolition of existing buildings and/or construction of new buildings would occur. Operation of large heavy construction equipment (vibratory rollers, large bulldozers or loaded trucks) close to Campus buildings may exceed the FTA's 0.2 in/sec PPV criterion, which could potentially result in vibration-induced architectural damage.

The West and South Classroom Building, Main Classroom Building, and the Auditorium were identified as historic. As part of the Project, implementation of SC-N-6 requires that if demolition is necessary adjacent to historic or fragile structures the construction contractor would avoid using impact tools, if feasible. SC-N-8 requires the construction contractor to identify alternative methods of demolition and construction for activities that do not involve vibration-intensive equipment or activities.

Implementation of SC-N-6 and SC-N-8 would reduce vibration-induced architectural damage to adjacent, on-Campus buildings to below the threshold of damage. Vibration impacts would be less than significant and no further analysis is required.

Groundborne Noise

Construction-related groundborne noise occurs mainly from the powered mechanical equipment for rock breaking/drilling works (such as hydraulic breaker, rock drill, pile rig, etc.) and tunnel boring machine.

Operation-related groundborne noise occurs when trains operate in tunnels that are located in close proximity to occupied structures. Vibrations associated with train pass-bys can be transmitted through the ground and structure and be radiated as noise in the occupied spaces within the structure. The transmitted noise through structures may have potential impact on the noise sensitive receivers.

The Project does not include activities or equipment that would generate substantial construction or operational groundborne noise. No impacts would occur and no further analysis is required.

c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. There are no private airstrips within 10 miles of the Project site. There are several private heliports within 10 miles of the Project site; the closest are:[103]

- Los Angeles Police Department Hooper Heliport 5.6 miles northeast.
- Randy Champe-Howe Heliport (private) (private) 2.05 miles southwest
- Maguire- California Hospital Heliport (private) 2.5 miles north
- California Mart Heliport (private) 2.9 miles north.
- Multiple private helipads for residential and commercial high-rises near the International Tower Heliport (private) 3.3 miles north.

While operations at these private aircraft facilities may, at times, be audible at the site, the relatively limited and sporadic use of these heliports for corporate travel or medical/public safety emergencies, coupled with the distances between them and the site, would result in negligible amounts of noise at the Project site. The Project would not expose people onsite to excessive noise levels from helicopters approaching or departing these heliport facilities. No impact would occur and no further analysis is required.

The nearest airport to the school is Hawthorne Municipal Airport in the City of Hawthorne, a public airport approximately 9.5 miles southwest.[104] The site is not within the airport influence area or the airport land use planning area of the airport.[105] The site is outside the 65 dBA CNEL noise exposure contours of the airport. Thus, Project development would not expose people working on-site to excessive airport noise levels. No impacts would occur and no further analysis is required.

[103] Airnav.com. 2023, October 17. https://airnav.com/cgi-bin/airport-search
[104] Airnav.com. 2023, August 11. Airport Information. http://www.airnav.com/airports
[105] Los Angeles County Department of Public Works. 2017, August. Los Angeles County Airports. http://dpw.lacounty.gov/avi/airports/map.aspx?extent=-13182592.650342794,4063015.015811797,-13180758.161663902,4064543.7563775414.

4. Environmental Checklist and Analysis

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIV. PEDESTRIAN SAFETY. Would the project:				
a. Substantially increase vehicular and/or pedestrian safety hazards due to a design feature or incompatible uses?	☐	☐	☒	☐
b. Create unsafe routes to schools for students walking from local neighborhoods?	☐	☐	☒	☐
c. Be located on a site that is adjacent to or near a major arterial roadway or freeway that may pose a safety hazard?	☐	☐	☒	☐

EXPLANATION:

LAUSD applies SCs for minimizing impacts to pedestrian safety. Applicable SCs related to pedestrian safety impacts associated with the proposed Project are provided below:

LAUSD Standard Conditions of Approval	
SC-PED2	LAUSD shall implement the applicable requirements and recommendations associated with the OEHS Traffic and Pedestrian Safety Program. **OEHS Traffic and Pedestrian Safety Program** LAUSD has developed these performance guidelines to minimize potential pedestrian safety risks to students, faculty and staff, and visitors at LAUSD schools. The performance guidelines include the requirements for: student drop-off areas, vehicle access, and pedestrian routes to school. School traffic/circulation studies shall identify measures to ensure separation between pedestrians and vehicles along potential pedestrian routes, such as sidewalks, crosswalks, bike paths, crossing guards, pedestrian and traffic signals, stop signs, warning signs, and other pedestrian access measures.
SC-PED3	LAUSD shall implement the applicable sidewalk requirements outlined in the School Design Guide. LAUSD shall also coordinate with the responsible traffic jurisdiction/agency to implement infrastructure improvements prior to the opening of a school. Improvements shall include, but are not limited to: • Clearly designate passenger loading areas with the use of signage, painted curbs, etc. • Install new walkway and/or sidewalk segments where none exist. • Substandard walkway/sidewalk segments shall be improved to a minimum of eight feet wide. Provide other alternative measures that separate foot traffic from vehicular traffic, such as distinct travel pathways or barricades.
SC-PED4	LAUSD shall design the project to comply with the traffic and pedestrian guidelines in the School Traffic Safety Reference Guide. **School Traffic Safety Reference Guide REF 4492.1.** This Reference Guide replaces Reference Guide 4492.0, School Traffic Safety, September 30, 2008. Updated information is provided, including new guidance on passenger loading zones and the Safety Valet Program. This guide sets forth requirements for traffic and pedestrian

	safety, and procedures for school principals to request assistance from OEHS, the Los Angeles Schools Police Department (LASPD), or the local police department regarding traffic and pedestrian safety. Distribution and posting of the Back to School Safety Tips flyer is required. This guide also includes procedures for traffic surveys, parking restrictions, crosswalks, advance warning signs (school zone), school parking signage, traffic controls, crossing guards, or for determinations on whether vehicle enforcement is required to ensure the safety of students and staff.
SC-PED5	LAUSD shall design new student drop-off, pick-up, bus loading areas, and parking areas to comply with the School Design Guide. **School Design Guide.** The Guide states student drop-off and pick-up, bus loading areas, and parking areas shall be separated to allow students to enter and exit the school grounds safely.
SC-T3	Implementation of SC-T-3.
SC-T4	Implementation of SC-T-4.

Would the proposed Project:

a) Substantially increase vehicular and/or pedestrian safety hazards due to a design feature or incompatible uses?

Less than Significant Impact. Construction activities may be considered an incompatible use because they would require the use of haul trucks, equipment, worker vehicles, and construction activities on the Campus while students are in school. The construction and demolition activities would result in a temporary increase in truck activity on the roadway network. Construction activity would not require roadway or sidewalk closures and/or traffic detours on school days.

To avoid conflicts between construction activities and students, the District will implement SC-T-4, which requires the construction contractor to prepare a construction worksite traffic control plan prior to commencement of construction. This plan would establish methods to avoid conflicts between the construction traffic and the existing vehicle, pedestrian, and bicycle traffic on the Campus and in the neighborhood. LAUSD's construction BMPs, identified in the construction worksite traffic control plan, would include the location of any haul routes, hours of operation, protective devices, warning signs, and access to abutting properties. Construction contractors would work closely with the school administration during all construction to coordinate activities and ensure students are safe.

SC-PED-2 includes the implementation of OEHS Safe School Traffic Program to minimize potential pedestrian safety risks to students, faculty and staff, and visitors at LAUSD schools. The performance guidelines include the requirements for: student drop-off areas, vehicle access, and pedestrian routes to school. School traffic/circulation studies shall identify measures to ensure separation between pedestrians and vehicles along potential pedestrian routes, such as sidewalks, crosswalks, bike paths, crossing guards, pedestrian and traffic signals, stop signs, warning signs, and other pedestrian access measures. Additionally, SC-PED-2 requires new school projects be designed so that bus loading areas that do not overlap with car loading areas, which would reduce the potential for conflicts between cars and buses arriving and departing, especially during the busiest

drop-off and pick-up periods. With the implementation of SC-PED-2, the proposed Project would not create new roads or dangerous driveway turning movements.

The school is in a developed urban area characterized by residential, recreation, and institutional (churches and schools) land uses. The school has passenger vehicle traffic (personal vehicles and trucks), non-motorized traffic (pedestrians and bicyclists), and limited truck traffic for school deliveries on the surrounding roadways. All three roadways surrounding the school, including East 49th Street, McKinley Avenue, and East 50th Street, are two lanes each. Existing traffic controls at the two intersections next to the school are:

- East 49th Street at McKinley Avenue: 3-way stop - Installed Continental Crosswalk[106]
  - Continental crosswalks are high-visibility crosswalks use patterns (i.e., bar pairs, continental, ladder) that are visible to both the driver and pedestrian from farther away compared to traditional transverse line crosswalks[107].
- East 49th Place at McKinley Avenue – Planned Continental Crosswalk
- East 50th Street at McKinley Avenue: 4-way stop – Planned Continental Crosswalk

Pedestrian access to the school would not change; students would continue to use the main entrance on East 49th Street for student pick up and drop off.

Since the proposed Project would construct new parking areas, SC-T-2 requires vehicular access and parking designs to comply with the Vehicular Access and Parking standards of the School Design Guide, and SC-PED-5 to design bus loading areas and parking areas to comply with the School Design Guide. Compliance with SC-PED-5, SC-T-2 and SC-T-4 would reduce vehicle, pedestrian, and bicycle impacts during construction. Therefore, impacts would be less than significant and no further analysis is required.

b) Create unsafe routes to schools for students walking from local neighborhoods?

Less than Significant Impact. During construction, the contractors would be required to submit and implement a Construction Worksite Traffic Control Plan to OEHS for review per SC-T-4. SC-T-4 would ensure pedestrian safety measures, access, and warning signs during construction are properly implemented. The proposed Project would also be required to comply with all Federal, State, and local regulations and programs. With the implementation of SC-T-4 and the compliance with existing regulations and programs, the impacts to students walking from local neighborhoods would be reduced to less than significant during construction.

The proposed Project would be constructed entirely within the boundary of the existing elementary school and would not increase student enrollment (i.e., pedestrian traffic). The proposed Project's development zone affects existing vehicular areas and pedestrian access and therefore, may result in changes to the internal site circulation and site access by students walking from the neighborhood. However, it would not create unsafe routes to schools for students walking from local neighborhoods with the implementation of Standard

[106] Los Angeles Department of Transportation. (LADOT). 2023. https://ladotlivablestreets.org/overall-map/maps
[107] Federal Highway Administration (FHWA). 2023. Crosswalk Visibility Enhancements. https://highways.dot.gov/safety/proven-safety-countermeasures/crosswalk-visibility-enhancements

Conditions and compliance with local ordinances and regulations. The Project's location and design of pedestrian areas and access would implement SC-PED-4 to ensure separation between pedestrians and vehicles along potential pedestrian routes, such as sidewalks, crosswalks, bike paths, crossing guards, pedestrian and traffic signals, stop signs, warning signs, and other pedestrian access measures. Pursuant to the requirements of SC-PED-3, LAUSD shall implement the applicable sidewalk requirements outlined in the School Design Guide by coordinating with LADOT to implement any required infrastructure improvements affecting pedestrian safety. The District would implement SC-PED-2 though SC-PED-4, to implement the applicable requirements and recommendations associated with the OEHS Traffic and Pedestrian Safety Program and design the proposed Project to comply with the traffic and pedestrian guidelines in the School Traffic Safety Reference Guide. Therefore, impacts to existing routes to school would be less than significant and no further analysis is required.

c) Be located on a site that is adjacent to or near a major arterial roadway or freeway that may pose a safety hazard?

Less than Significant Impact. The Project site is approximately one mile east of Interstate 110 (I-110) and 2.3 miles south of Interstate 10 (I-10). The nearest four-lane arterial roadway to the Project site is Avalon Boulevard, approximately 0.1 mile to the west, classified as a Major Highway in the Los Angeles County Highway Plan[108]. The proposed Project site is not adjacent to or near a major arterial roadway or freeway that may pose a safety hazard. No impacts would occur and no further analysis is required.

[108] Los Angeles County Public Work Department. 2016. Los Angeles County Highway Plan. https://pw.lacounty.gov/ldd/lddservices/streetandbridge/docs/hwy_s.pdf

4. Environmental Checklist and Analysis

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XV. POPULATION AND HOUSING. Would the project:				
a. Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☐	☒
b. Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

EXPLANATION:

There are no population and housing LAUSD SCs that apply to the proposed Project.

Would the proposed Project:

a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

No Impact. The Project site is an operational elementary school Campus within an urbanized community, where no changes to the capacity of the existing roadways are being proposed. The proposed Project does not include the construction of any new homes or businesses or changes to the existing land uses. The proposed Project activities would not increase the number of classrooms nor accommodate an increase above planned student enrollment capacity. The proposed Project's construction activities would not result in substantial increase in workers. Therefore, no impacts would occur and no further analysis is required.

b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

No Impact. The proposed Project is located within an established elementary school Campus that does not contain any housing or unhoused persons. Development of the proposed Project would not involve the removal or relocation of any housing and would not displace any people or require the construction of any replacement housing. Therefore, no impact would occur and no further analysis is required.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XVI. PUBLIC SERVICES. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
a. Fire protection?	☐	☐	☒	☐
b. Police protection?	☐	☐	☒	☐
c. Schools?	☐	☐	☒	☐
d. Parks?	☐	☐	☐	☒
e. Other public facilities?	☐	☐	☐	☒

EXPLANATION:

LAUSD applies SCs for minimizing impacts to public services. Applicable SCs related to public services impacts associated with the proposed Project are provided below:

LAUSD Standard Conditions of Approval	
SC-PS1	If necessary, LAUSD shall: • Have local fire and police jurisdictions review all construction and site plans prior to the State Fire Marshall's final approval. Provide a full site plan for the local review, including all buildings, both existing and proposed; fences; drive gates; retaining walls; and other construction affecting emergency vehicle access, with unobstructed fire lanes for access indicated.
SC-PS2	LAUSD shall implement emergency preparedness and response procedures in all schools as required in LAUSD References, Bulletins, Safety Notes, and Emergency Preparedness Plans.

Would the proposed Project:

a) Result in adverse impacts related to fire protection?

Less than Significant Impact. The City of Los Angeles Fire Department (LAFD) currently provides fire protection and emergency medical services to the Project site. The nearest LAFD fire station to the site is Fire Station 21 in the South Bureau at 1192 E. 51st Street, approximately 0.37 miles east of the Project site.[109] The proposed Project would not accommodate an increase above planned student enrollment capacity; therefore, it would not require the need for additional fire protection services or require construction of new or expanded fire stations. As shown in Table 15, *LAFD Response Metrics for 2023*, on average, response times from Station 21 are faster than the average City-Wide response times in 2023[110]. All LAUSD school projects are required to comply with fire department and department of building and safety regulations for water availability and fire

[109] City of Los Angeles Fire Department (LAFD). 2023. Find Your Station. https://www.lafd.org/fire-stations/station-results.
[110] City of Los Angeles Fire Department (LAFD). 2023. Response Metrics for 2023. https://www.lafd.org/fsla/stations-map?station=21&address=750%20E%2049th%20Street&year=2023

hydrant pressure, and accessibility for firefighting equipment to minimize any threat of a fire. Additionally, all projects are required to comply with standard design requirements in accordance with the California Building Code (CBC), California Fire Code (CFC), and local fire department requirements, which include fire sprinklers, fire alarm devices, emergency access, and evacuation procedures.

Table 15. LAFD Response Metrics for 2023

	Station 21 (Minutes: Seconds)	City-Wide (Minutes: Seconds)
Operational Response Time for EMS	06:50	07:21
Operational Response Time for Non-EMS	06:47	07:08
Operation Response Time for Critical ALS	05:39	06:15
Operation Response Time for Structural Fire	04:57	05:31

Source: LAFD 2023

Pursuant to SC-PS-1, the Project will be designed to accommodate fire equipment access during construction and specifications for the new emergency access driveways and fire protection systems must be approved by the State Fire Marshall Therefore, impacts would be less than significant and no further analysis is required.

b) Result in adverse impacts related to police protection?

Less than Significant Impact. The Los Angeles Police Department's (LAPD) Newton Community Police Station at 3400 S. Central Ave, approximately 1 mile northeast of the Campus,[111] provides police service to the Campus and surrounding neighborhood The Newton Community Police Station services Fashion District, Pueblo Del Rio, South Park-Entertainment; the stations boundaries extend from Alameda Street in the east, Florence Avenue in the south, I-110 in the west, and 7th Street in the north[112].

LAUSD's Los Angeles School Police Department (LASPD) is responsible for Campus safety and creating safe school passages for students, staff, and the school community.[113] The Campus is served by LASPD's East Division. LASPD is a recognized independent school police department, with 211 sworn police officers, 25 non-sworn school safety officers (SSO), and 32 civilian support staff dedicated to serving the District. LASPD officers are assigned to support school traffic safety, parking enforcement and facility protection.[114]

The proposed Project would not accommodate an increase above planned student enrollment capacity; therefore, it would not require the need for additional police protection services or require construction of new or expanded police stations. Any increase in police demands due to construction activities would be temporary and would not require construction of new or expanded police facilities. Thus, implementation of the proposed Project would not substantially increase demands for police services in the area, and the elementary school

[111] Los Angeles Police Department (LAPD). 2023. Newton Community Police Station. https://www.lapdonline.org/lapd-contact/central-bureau/newton-community-police-station/?zip=%20%2090011
[112] LAPD. 2023. Newton Community Police Station Service Area. https://lapdonlinestrgeacc.blob.core.usgovcloudapi.net/lapdonlinemedia/2021/03/NEWT11x17.pdf
[113] Los Angeles School Police Department. 2023. https://ca01000043.schoolwires.net/Page/12393
[114] LA School Police Department (LASPD). https://www.lausd.org/Page/15609

upgrades would not require construction of new or expanded police stations. Therefore, impacts would be less than significant and no further analysis is required.

c) Result in adverse impacts related to schools?

Less Than Significant Impact. The District evaluated the physical adequacy several existing school sites based on an assessment of 10 weighted facilities-based datasets that best express a school's physical condition using the following criteria and scoring:

- Facilities Condition Index (FCI) for buildings (26.23 percent)
- Seismic risk (21.31 percent)
- FCI for grounds (13.11 percent)
- Library square footage adequacy (5.94 percent)
- Assembly square footage adequacy (5.94 percent)
- Food services square footage adequacy (5.94 percent)
- Play acreage adequacy (5.94 percent)
- Percentage of relocatable classroom buildings (5.19 percent)
- Secure entrance (5.19 percent)
- Site density (5.19 percent)

As a result of the assessment, the Campus was prioritized for major modernization as it ranked within the top 10 percent of the sites in Board District 7. The proposed Project would implement the District's Core Principles to Scoping Major Modernization Projects:

1. Buildings meeting Assembly Bill 300 criteria for seismic evaluation may be addressed, to the extent feasible, with a focus on those determined to have a high seismic vulnerability, through retrofit, removal, or seismic modernization, which will be determined based on an assessment of the seismic vulnerability of the building(s), the historic context of the building/site, actual or potential impact to the learning environment, site layout, and the approach that best ensures compliance with DSA requirements.

2. The buildings, grounds and site infrastructure that have significant/severe physical conditions that already do or are highly likely in the near future to pose a health and safety risk, or negatively impact a school's ability to deliver the instructional program and/or operate may be addressed by repair or replacement.

3. The District's reliance on relocatable buildings, especially for K-12 instruction, should be reduced.

4. Necessary and prioritized upgrades will be made throughout priority school sites in order to comply with the program accessibility requirements of the ADA Title II Regulations, and the District's Self-Evaluation and Transition Plan under Title II of the ADA.

5. The exterior conditions of the school site will be enhanced including landscape and hardscape improvements around new buildings and/or areas impacted by construction and the painting of building exteriors throughout the school site.

6. Outdoor learning environments will be developed where the site layout and project planning provide the opportunity.

The proposed Project would not accommodate an increase above planned student enrollment capacity, nor would it displace the current student population to offsite locations. The proposed Project addresses the most critical physical conditions and essential safety issues at each respective school site as defined by the Board of Education and consequently, the Project upgrades the physical capabilities of the Campus buildings, which date back to the 1930s and 1960s, to continue providing education to its students.

The environmental effects of the construction and operation of the Project are considered throughout the environmental analysis in this Negative Declaration. Construction of the proposed Project would require the implementation of a fully electric interim relocatable kitchen and one interim relocatable restroom building on the Project site during construction activities. No other LAUSD campuses or facilities outside of 49th Street ES would be impacted by the proposed Project. Therefore, the impacts would be less than significant and no further analysis is required.

d) Result in adverse impacts related to parks?

No Impact. The proposed Project would not have an adverse physical impact on any parks near the Project site, including 49th Street Park and McKinley Avenue Park, that are located adjacent to the Project site. The proposed Project would not induce growth in the community and would not require the construction of new parks. The proposed Project would include recreation facilities and outdoor play areas and would not require that students use off-Campus parks. Thus, the proposed Project would not result in the need for new or expanded park facilities. Therefore, no impact would occur and no further analysis is required.

e) Result in adverse impacts related to other public facilities?

No Impact. The proposed Project would not result in impacts associated with the provision of other new or physically altered public facilities (e.g., libraries, hospitals, childcare, teen or senior centers). Physical impacts to public services are usually associated with population in-migration and growth, which increase the demand for public services and facilities. The proposed Project would not result in population growth. Therefore, no impacts would occur and no further analysis is required.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XVII. RECREATION.				
a. Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☒	☐
b. Include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

EXPLANATION:

There are no recreation LAUSD adopted SCs.

Would the proposed Project:

a) Increase the use of existing neighborhood and regional parks or other recreational facilities, such that substantial physical deterioration of the facility would occur or be accelerated?

Less than Significant Impact. In compliance with Education Code 38131 (b) Civic Center Act, every school in the District makes facilities available for various nonprofit community organizations and members of the public to use for supervised recreational activities, meetings, and public discussions. Schools are available during designated hours when regular school activities will not be disrupted. School facilities that can be used are gymnasiums, play fields, stadiums, auditoriums, multipurpose rooms, cafeterias, and classrooms. Designated year-round hours for civic center use start two hours after the close of school, and are typically 6:00 PM until 9:30 PM on weekdays, 8:00 AM until 9:30 PM on Saturday, and 12:00 PM until 5:00 PM on Sundays. No civic center use is allowed at elementary schools on Sundays. A permit from the LAUSD is required to use school facilities[115].

The proposed Project would provide approximately 114,500 square feet of playgrounds and outdoor learning areas. The proposed Project would provide new playgrounds for all students, including cool coating asphalt, striped games, two play structures with protective surfacing, natural grass fields, basketball courts, volleyball courts, tetherball courts, handball courts, and backstops. The proposed Project also includes new outdoor learning environments that are located in the following areas: adjacent to the new Kindergarten classrooms, between the existing Administration/Classroom Building and Main Classroom Building, and adjacent to the new library. However, the proposed Project would not induce growth in the community and would not increase the use of existing neighborhood and regional parks or other recreational facilities, including 49th Street Park and McKinley Park which surround the Campus, and South Park, which is located approximately 0.10 mile west of the Campus, along Avalon Boulevard. Therefore, it would not cause physical deterioration of or cause

[115] LAUSD. Civic Center Permits. https://achieve.lausd.net/Page/2792.

accelerated physical deterioration of neighborhood and regional parks or other recreational facilities. Therefore, no impact would occur and no further analysis is required.

b) Does the Project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?

No Impact. As described above, the proposed Project would provide approximately 114,500 square feet of playgrounds and outdoor learning areas. These recreational facility upgrades are intended to better meet the recreational needs of students on-site and would not substantially expand facilities or use of Campus recreational facilities in comparison to existing conditions. The proposed Project would not require the construction or expansion of additional recreational facilities that would have an adverse effect on the environment. Therefore, no impact would occur and no further analysis is required.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XVIII. TRANSPORTATION AND CIRCULATION. Would the project:				
a. Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	☐	☐	☒	☐
b. Conflict or be inconsistent with CEQA Guidelines Section 15064.3(b), which pertains to vehicle miles travelled?	☐	☐	☐	☒
c. Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☒	☐
d. Result in inadequate emergency access?	☐	☐	☒	☐

EXPLANATION:

LAUSD applies SCs for minimizing impacts to transportation and circulation. Applicable SCs related to transportation and circulation impacts associated with the proposed Project are provided below:

LAUSD Standard Conditions of Approval	
SC-T2	LAUSD shall implement the applicable vehicular access and parking design guidelines during the planning process. **School Design Guide** Vehicular access and parking shall comply with the Vehicular Access and Parking guidelines of the School Design Guide. The Design Guide contains the following regulations related to traffic: • Parking Space Requirements • General Parking Guidelines • Vehicular Access and Pedestrian Safety • Parking Structure Security
SC-T4	LAUSD shall require its Construction Contractors to submit a Construction Worksite Traffic Control Plan to OEHS for review prior to construction. The plan will show the location of any haul routes, hours of operation, protective devices, warning signs, access to abutting properties and applicable transportation related safety measures as required by local and State agencies. LAUSD shall encourage its Construction Contractor to limit construction-related trucks to off-peak commute periods.

Would the proposed Project:

a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?

Less than Significant Impact.

4. Environmental Checklist and Analysis

Existing Conditions

Roadways

Existing roadways in the Project study area are described below[116].

- **East 49th Street** is an east-west roadway north of the school classified as a Collector street. There is one travel lane in each direction.
- **McKinley Avenue** is a north-south roadway east of the school classified as a Collector street. There is one travel lane in each direction.
- **East 50th Street** is an east-west roadway south of the school classified as a Local/Other street. There is one travel lane in each direction.
- **Avalon Boulevard** is a north-south roadway approximately 0.1 mile west of the school and is classified as an Avenue II. The roadway consists of one travel lane and a Tier 1 Protected Bicycle Lanes bicycle lane in each direction and a two-way median turn lane.

Vehicular Access

Student pick-up and drop-off occurs curbside along East 49th Street, at the front of the existing Campus. Vehicular access to the Campus is currently provided via one driveway along East 49th Street, located on the northwestern portion of the Project site. Additional vehicular access entrances are located along East 50th Street, which forms the Project site's southern boundary at the existing parking lot located near the intersection of East 50th Street and McKinley Avenue, and one delivery gate located behind the existing cafeteria.

Intersections

- East 49th Street at McKinley Avenue: 4-way stop
- East 50th Street at McKinley Avenue: 4-way stop
- McKinley Avenue and East 49th Place: 3-way stop

Bicycle and Pedestrian Facilities

Bicycle Facilities

There is a Tier 1 Protected Bicycle Lanes bicycle lanes on each side of Avalon Boulevard[117].

Pedestrian Facilities

Sidewalks are present on each side of all roadways surrounding the school. Yellow school crossing crosswalks are present at all intersections.

[116] City of Los Angeles General Plan. Mobility Element. 2016. https://planning.lacity.org/odocument/523f2a95-9d72-41d7-aba5-1972f84c1d36/Mobility_Plan_2035.pdf
[117] City of Los Angeles General Plan. Mobility Element. 2016. https://planning.lacity.org/odocument/523f2a95-9d72-41d7-aba5-1972f84c1d36/Mobility_Plan_2035.pdf

Pedestrian Access

Pedestrian access to the Project site is currently provided via multiple entrances along East 49th Street, which forms the Project site's northern boundary, near the existing staff parking lot, the main entrance within Administration/Library/Classroom Building, and one additional entrance near the intersection of East 49th Street and McKinley Avenue. Additional pedestrian access entrances are located along East 50th Street, which forms the Project site's southern boundary at the existing Auditorium.

Transit Service

Transit service to the Project site is provided by the Los Angeles County Metropolitan Authority (Metro), which operates Bus Line 51 along Avalon Boulevard and Bus Line 53 along Central Avenue, approximately 0.1 mile west and 0.25 mile east of the Project site, respectively. Regional service is provided by the Metro A Line, along Long Beach Avenue. The closest station to the Project site is Vernon Station, approximately 1.1 mile northeast and the Slauson Station, approximately 1.2 mile southeast of the Project site. Additionally, school buses pick-up and drop off students on East 49th Street, along the northern portion of the Campus.

Construction

Construction of the proposed Project is anticipated to start in the second quarter of 2025 and is expected to take 42 months to complete; however, because the proposed Project would occur on an active Campus and has several components, the Campus would not be under construction the entire time. Construction work would be intermittent and conducted in stages during the 42-month period. Project close out and occupation is anticipated in the second quarter of 2029.

Project construction would generate trips from the work crew, haul trips, and equipment and materials delivery. Consistent with the City of Los Angeles Municipal Code Section 41.40, construction activities would only occur during the hours of 7:00 AM to 9:00 PM during the weekdays and between 8:00 AM to 6:00 PM on Saturdays and national holidays.

Construction staging (i.e., storage of equipment and materials) would be contained on the Project site. Parking for workers is anticipated to be provided in the staging area while school is in session and Campus parking lots during school breaks. Construction trucks would not affect the existing school driveways or parking lots during school hours. Construction worker traffic would occur during building construction and demolition. Throughout construction, the size of the work crew at the school each day would vary depending on the construction phase and construction activities.

Based on the anticipated construction schedule, construction workers are expected to arrive at the school before 7:00 AM (before peak morning commute hours). Construction workers would not arrive at the construction site within the same hour, nor would they all leave the site at the same time. Importantly, construction worker trips and construction haul trips would not occur at the same time because workers would arrive before 7:00 AM and hauling cannot start until 7:00 AM and must avoid peak commute. Typical construction hours end after student dismissal times. Construction worker traffic would not significantly impact nearby roadways. Construction vehicles would cause only temporary and intermittent increases in traffic on area roadways and

would not contribute to a significant increase in traffic volumes. Construction traffic impacts would be less than significant.

Proposed Project construction traffic would not displace bus stops or impact public transit bus services on the surrounding roadways. The Construction Worksite Traffic Control Plan (per SC-T-4) would include measures to prevent traffic and pedestrian hazards between trucks entering and exiting the Project site. Therefore, impacts would be less than significant and no further analysis is required.

Operation

The project would relocate the existing staff and visitor parking lot from the northwestern portion of the Project site to the southwestern portion of the Project site. Vehicular access to the Project site would be provided via two new driveways along East 50th Street. However, the proposed Project would not accommodate an increase above planned student enrollment capacity at the school. Additionally, the District would implement SC-T-2, which would require the implementation of applicable vehicular access and parking design guidelines during the planning process. Therefore, the proposed Project would not result in changes to the volume of traffic or the distribution of trips over roadways near the Project site.

The Project would not change the operation or use of bicycle lanes on Avalon Boulevard or any sidewalks or school crosswalks at roadways or intersections. Potential circulation changes to the Campus would include new driveways along East 50th Street at the new staff parking lot, and new pedestrian and ADA pathways from the sidewalk at the proposed new Campus entrances that would be located along East 49th Street and East 50th Street. Project operation would not block or remove, or otherwise interfere with the safety or performance of the circulation system and would not interfere with Metro bus services operating near the Project site. Therefore, the proposed Project would not conflict with policies, plans, or programs regarding transit, bicycle, or pedestrian facilities, and the Project would not decrease the performance or safety of such facilities, and no further analysis is required.

b) Conflict or be inconsistent with CEQA Guidelines section 15064.3(b), which pertains to vehicle miles travelled?

No Impact. According to the CEQA Guidelines Section 15064.3(b), generally, vehicle miles traveled is the most appropriate measure of transportation impacts. For the purposes of this section, "vehicle miles traveled" refers to the amount and distance of automobile travel attributable to a project. Other relevant considerations may include the effects of the project on transit and non-motorized travel. The section establishes that a land use project's effect on automobile delay shall not constitute a significant environmental impact.

Construction of the proposed Project would involve construction equipment and additional vehicles for construction workers to access the Project site. Construction equipment would primarily remain on site for the duration of the construction except for haul trucks. LAUSD encourages carpooling for construction contractors getting to and from the Project site and will work with the contractor to minimize vehicle trips to the extent feasible. Construction equipment and contractor travels to the Project site would be temporary in nature, ceasing at the completion of the proposed Project.

The proposed Project would not change the land use of the school, increase the capacity of the school, or change the attendance boundaries of the school. Because the proposed Project would not generate an increase in traffic or a change in traffic patterns; thus, the proposed Project would have no impact pertaining to vehicle miles travelled during operation of the Project and a less than significant impact during construction. Therefore, no impacts would occur and no further analysis is required.

c) Substantially increase [vehicle] hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

Less than Significant Impact.

Construction

During construction, equipment, trucks, and workers would drive to and from the staging area on the Project site. Construction trips would be spread out throughout the workday and would not occur during nonpeak traffic periods in accordance with SC-T-4. Also, construction trips would not overlap with student drop-off and pickup. In compliance with SC-T-4, LAUSD's construction contractor would prepare a Construction Worksite Traffic Control Plan prior to commencement of construction. This plan would establish methods to avoid conflicts between construction traffic and the existing vehicle, pedestrian, and bicycle traffic. LAUSD's construction BMPs, identified in the construction worksite traffic control plan, would include the location of any haul routes, hours of operation, protective devices, warning signs, and access to abutting properties. Additionally, construction fencing would be used on the Project site to separate construction zones from students and to ensure safety. The proposed Project construction would not create new hazards or conflicts and impacts related to vehicular or pedestrian and bike safety would be less than significant, and no further analysis is required.

Operational Impacts

The proposed Project would not change the land use of the school, increase the capacity of the school, or change the attendance boundaries of the school and would therefore, not increase operational traffic on or around the Campus. The proposed Project would not alter the use of the Campus or drop off/pick up locations, and no new incompatible uses would be introduced. Therefore, no operational impacts would occur and no further analysis is required.

d) Result in inadequate emergency access?

Less than Significant Impact. The access and circulation features at the Project site would continue to accommodate emergency ingress and egress by fire trucks, police units, and ambulance/paramedic vehicles. All access features are subject to and must satisfy State Fire Marshall design requirements. The proposed Project would not result in inadequate emergency access. Therefore, no impacts would occur and no further analysis is required.

4. Environmental Checklist and Analysis

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XIX. TRIBAL CULTURAL RESOURCES.				
Has a California Native American Tribe requested consultation in accordance with Public Resources Code Section 21080.3.1(b)? ☐ Yes ☒ No				
Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
a. Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	☐	☐	☐	☒
b. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code § 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code § 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?	☐	☐	☐	☒

EXPLANATION:

LAUSD applies SCs for minimizing impacts to tribal cultural resources. Applicable SCs related to tribal cultural resources impacts associated with the proposed Project are provided below:

LAUSD Standard Conditions of Approval	
SC-TCR1	All work shall stop within a 30-foot radius of the discovery. Work shall not continue until the discovery has been assessed by a qualified Archaeologist. Based on this initial assessment the affiliated Native American Tribal representative has contacted and consulted to provide as-needed monitoring or to assist in the accurate assessment, recordation, and if appropriate, recovery of the resources, as required by the District.
SC-TCR2	In the event that Tribal cultural resources are identified, the Archaeologist will retain a Native American Monitor to begin monitoring ground disturbance activities. The Native American Monitor shall be approved by the District and must have at least one or more of the following qualifications: • At least one year of experience providing Native American monitoring support during similar construction activities. • Be designated by the Tribe as capable of providing Native American monitoring support. • Have a combination of education and experience with Tribal cultural resources. Prior to reinitiating construction, the construction crew(s) will be provided with a brief summary of the sensitivity of Tribal cultural resources, the rationale behind the need for protection of resources, and information on the initial identification of Tribal cultural resources. This information shall be included in a worker's environmental awareness program that is prepared by LAUSD for the project (as applicable).

	Subsequently, the Monitor shall remain on-site for the duration of the ground-disturbing activities to ensure the protection of any other potential resources. The Native American Monitor will complete monitoring logs on a daily basis. The logs will provide descriptions of the daily activities, including construction activities, locations, soil, and any Tribal cultural resources identified.

a) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)?

No Impact. The Los Angeles City Planning's Office of Historic Resources (OHR) does not list the site as a Historic-Cultural Monument resource nor the site a part of any one of its 35 designated historic districts/Historic Preservation Overlay Zones (HPOZ).[118], [119] The Project site is not listed on the National Register of Historic Places,[120] as a California Historical Landmark or a California Point of Historical Interest.[121] The 49th Street ES Campus is not listed or eligible for listing as defined in Public Resources Code section 5020.1(k). No impacts would occur and no further analysis is required.

b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?

Less than Significant Impact. Assembly Bill 52 (AB 52) requires meaningful consultation with California Native American tribes on potential impacts to tribal cultural resources, as defined in PRC Section 21074. Tribal cultural resources are sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either eligible or listed in the California Register of Historical Resources or local register of historical resources.[122]

As part of the AB 52 process, Native American tribes must have submitted a written request to LAUSD (lead agency) to be notified of projects within their traditionally and culturally affiliated area. LAUSD must provide written, formal notification to those tribes within 14 days of deciding to undertake a project. The tribe must respond to LAUSD within 30 days of receiving this notification if they want to engage in consultation on the proposed Project, and LAUSD must begin the consultation process within 30 days of receiving the tribe's request. Consultation concludes when either 1): the parties agree to mitigation measures to avoid a significant

[118] An Historic-Cultural Monument (HCM) may be a building, site, structure, or resource — including, trees and plant life — recognized for its historic significance; an HCM can identify with important events; notable figures of national, state, or local importance; and/or distinctive architectural styles. https://planning.lacity.org/preservation-design/historic-landmarks/detail?cpa=southeast-los-angeles

[119] Historic Landmarks – Southeast Community Plan Area. https://planning.lacity.org/odocument/24f6fce7-f73d-4bca-87bc-c77ed3fc5d4f/Historical_Cultural_Monuments_List.pdf

[120] National Park Service (NPS). 2023National Register of Historic Places. https://www.nps.gov/maps/full.html?mapId=7ad17cc9-b808-4ff8-a2f9-a99909164466.

[121] Office of Historic Preservation (OHP). 2023. California Historical Resources. p://ohp.parks.ca.gov/listedresources/.

[122] California Natural Resources Agency. AB 52 Regulatory Update. http://resources.ca.gov/ceqa/.

effect on a tribal cultural resource, or 2) a party, acting in good faith and after reasonable effort, concludes mutual agreement cannot be reached.

The LAUSD Office of Environmental Health and Safety sent Project notification on August 25, 2023 to all tribes affiliated within the area as provided by the Native American Heritage Commission. No tribes responded to the District's request for consultation at the close of the 30-day period. LAUSD has adopted Standard Conditions of Approval (SC-TCR-1 and SC-TCR-2) to protect potential unanticipated discoveries associated with Tribal Cultural Resources. With implementation of SC-TCR-1 and SC-TCR-2, the impacts of the Project pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1 would be less than significant and no further analysis is required.

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XX. UTILITIES AND SERVICE SYSTEMS. Would the project:				
a. Require or result in the relocation or construction of new water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b. Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	☐	☐	☒	☐
c. Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
d. Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals??	☐	☐	☒	☐
e. Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

EXPLANATION:

LAUSD applies SCs for minimizing impacts to utilities and service systems. Applicable SCs related to utilities and service systems impacts associated with the proposed Project are provided below.

LAUSD Standard Conditions of Approval	
SC-USS1	Consistent with current LAUSD requirements for recycling construction and demolition waste, the Construction Contractor shall implement the following solid waste reduction efforts during construction and demolition activities: **School Design Guide.** Establishes a minimum non-hazardous construction and demolition (C&D) debris recycling requirements of 75% by weight. Construction and demolition waste shall be recycled to the maximum extent feasible. **Construction & Demolition Waste Management.** This document outlines procedures for preparation and implementation, including reporting and documentation, of a Waste Management Plan for reusing, recycling, salvaging or disposal of non-hazardous waste materials generated during demolition and/or new construction to foster material recovery and re-use and to minimize disposal in landfills. Requires the collection and separation of all C&D waste materials generated on-site, reuse or recycling on-site, transportation to approved recyclers or reuse organizations, or transportation to legally designated landfills, for the purpose of recycling, salvaging and/or reusing a minimum of 75% of the C&D waste generated by weight.

4. Environmental Checklist and Analysis

SC-USS2	LAUSD shall coordinate with the City of Los Angeles Department of Water and Power or other appropriate jurisdictions and departments prior to relocating or upgrading any water facilities to reduce the potential for disruptions in service.
SC-USS3	LAUSD shall provide an easily accessible area that services the entire school and is dedicated to the collection and storage of materials for recycling, including (at a minimum) paper, cardboard, glass, plastics, metals, and landscaping waste. There shall be at least one centralized collection point (loading dock), and the capacity for separation of recyclables where waste is disposed of for classrooms and common areas such as cafeterias, gyms, or multi-purpose rooms.
SC-GHG1	Implementation of SC-GHG-1.
SC-GHG2	Implementation of SC-GHG-2.
SC-GHG3	Implementation of SC-GHG-3.

Would the proposed Project:

a) Require or result in the relocation or construction of new water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

Less than Significant Impact. The Project site is completely developed, is currently using existing utilities and service systems. Construction at the Project site would require temporary additional usage of water, electric power, and diesel. However, the additional utility usage during construction would be minimal and well within the capacity of the existing utility facilities that already serve the Campus.

The operation of the proposed Project would not increase utility consumption through capacity increase or modification to existing operations. Due to the age of the existing structures, the proposed new buildings and replacement facilities would be more resource efficient when compared to the existing structures and facilities. The proposed Project would not change the land use of the school, increase the capacity of the school, or change the attendance boundaries of the school and would therefore, the proposed Project would not require the relocation or construction of new water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities.

With the implementation of SC-USS-2 and SC-GHG-1 to SC-GHG-3, the Campus' resource consumption and stormwater production are expected to reduce with the implementation of the proposed Project. Therefore, no new or expanded utility facilities would need to be constructed and no relocations of the existing facilities would be needed. Therefore, impacts would be less than significant and no further analysis is required.

b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?

Less than Significant Impact. LADWP provides water to the existing Project site. The primary water sources for LADWP are from the Los Angeles Aqueducts (LAA), local groundwater, State Water Project (supplied by

Metropolitan Water District of southern California (MWD)), and Colorado River Aqueduct (supplied by MWD). Additional sources include recycled water and other imported water sources. The Campus currently serves students living in the region, and the Project would not increase the student population or long-term water demands. Water would be used on site during construction for dust suppression and similar activities. The Project site would be expected to increase its water use during the construction phase of the proposed Project to assist with dust suppression measures and related construction activities. However, the small amount of water that would be used for the Project construction is not expected to impact the availability of the existing water supply and would not result in the need for new or expanded water entitlements. Installation of landscape and irrigation improvements would comply with SC-USS-2 and SC-GHG-1, -2, and-3 for water conservation; therefore, the Project would not result in an increase in water demands for landscaping Therefore, impacts would be less than significant and no further analysis is required.

c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

Less than Significant Impact. As previously referred to in Threshold (a), construction of the proposed Project will involve a minor increase in wastewater production due to construction activities and construction personnel. However, the minor increase in wastewater production is temporary and would cease once construction is completed. The school would continue to serve students currently living in the region and would not generate an increase in the regional student population or the amount of wastewater treatment required. The proposed Project would not affect wastewater treatment capacity. Therefore, the proposed Project would have a less than significant impact on the adequacy of the local wastewater treatment capacity, and no further analysis is required.

d) Generate solid waste in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Less than Significant Impact. The two largest destinations for solid waste generated in the City of Los Angeles are the Chiquita Canyon Landfill in the Community of Castaic in unincorporated Los Angeles County; and the Sunshine Canyon Landfill in the Community of Sylmar in the City of Los Angeles.

Construction

Demolition and construction waste would be generated and disposed of at local landfills. The excavated soil would be segregated and managed as non-hazardous, non-Resource Conservation and Recovery Act (RCRA) hazardous, or RCRA hazardous waste. The proposed Project may require haul and disposal of approximately 2,195 tons of contaminated soil and material. Contaminated soil and material would result in an incremental and intermittent increase in solid waste disposal at licensed landfills and other waste disposal facilities within Los Angeles County.

Section 5.408 (Construction Waste Reduction, Disposal, and Recycling) of the CALGreen Building Standards Code (Title 24, CCR, Part 11, Section 5.408.1.1) requires that at least 65 percent of the nonhazardous construction and demolition waste from nonresidential construction operations be recycled and/or salvaged

for reuse. During construction, the proposed Project would generate demolition and construction related solid waste. However, the amount of solid waste would be minimized per SC-USS-1 requirements. SC-USS-1 requires the minimum recycling of 75 percent of the nonhazardous construction debris by weight. In addition, the proposed Project would comply with all waste recycling/reuse requirements in the California Green Building Code and the LAUSD School Design Guide & Specification 01340, Construction & Demolition Waste Management which requires the collection and separation of all construction and demolition waste materials on-site and that they be reused or recycled to the extent feasible. Thus, the proposed Project improvements would not adversely impact such landfills. Therefore, impacts would be less than significant and no further analysis is required.

Operation

The proposed Project would not increase the student population and thus would not increase solid waste generation. The District would also implement SC-USS-3, which would implement recycling programs on Campus to reduce solid waste production. With the implementation of SC-USS-3, the proposed Project is expected have a less than significant impact during operation on solid waste production. The proposed Project would not generate solid waste in excess of State or local standards or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals. Therefore, impacts would be less than significant and no further analysis is required.

e) Would the Project comply with federal, State, and local management and reduction statutes and regulations related to solid waste?

Less than Significant Impact. The District currently complies with or incorporates federal, state, and local statutes and regulations related to solid waste, and would continue this practice. Section 5.408 (Construction Waste Reduction, Disposal, and Recycling) of the CALGreen Building Standards Code (Title 24, CCR, Part 11, Section 5.408.1.1) requires that at least 65 percent of the nonhazardous construction and demolition waste from nonresidential construction operations be recycled and/or salvaged for reuse. This standard is also required under the CHPS criteria. Under SC-USS-1, LAUSD has established a minimum construction and demolition debris salvage, recycle, and reuse requirement of 75 percent. Construction of the proposed Project would adhere to these established standards. Operationally, SC-USS-3 would reduce the solid waste generated on site by incorporating an on-site recycling program. Therefore, impacts would be less than significant no further analysis is required.

XXI. WILDFIRE.

Is the project located in or near state responsibility areas or lands classified as high fire hazard severity zones?

☐ Yes ☒ No

If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
b. Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	☐	☐	☐	☒
c. Require the installation of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	☐	☐	☐	☒
d. Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	☐	☐	☐	☒

EXPLANATION:

There are no Wildfire SCs applicable to the Project.

Wildland fire protection in California is the responsibility of either the State, local government, or the federal government. State Responsibility Areas (SRA) are the areas in the state where the State of California has the primary financial responsibility for the prevention and suppression of wildland fires. The SRA forms one large area over 31 million acres to which the State Department of Forestry and Fire Protection (CAL FIRE) provides a basic level of wildland fire prevention and protection services[123].

Local responsibility areas (LRA) include incorporated cities, cultivated agriculture lands, and portions of the desert. LRA fire protection is typically provided by city fire departments, fire protection districts, counties, and by CAL FIRE under contract to local government.[124] CAL FIRE uses an extension of the state responsibility area Fire Hazard Severity Zone model as the basis for evaluating fire hazard in local responsibility area. The local responsibility area hazard rating reflects flame and ember intrusion from adjacent wildlands and from

[123] California Department of Forestry and Fire Protection (CAL FIRE). 2023. https://www.fire.ca.gov/what-we-do/fire-protection
[124] California Department of Forestry and Fire Prevention (CAL FIRE). https://osfm.fire.ca.gov/divisions/community-wildfire-preparedness-and-mitigation/wildfire-preparedness/fire-hazard-severity-zones/fire-hazard-severity-zones-map/

flammable vegetation in the urban area. The City of Los Angeles Fire Department (LAFD) provides fire protection and emergency medical services to the City, including to the Project site.

Fire Hazard Severity Zones (FHSZ) are identified by Moderate, High and Very High in an SRA, and Very High in a LRA. The nearest FHSZ in the SRA is a Very High about 14 miles east in Sycamore Canyon in the City of Whittier[125]. The nearest fire in the LRA is approximately 4.5 miles west in the Baldwin Hills.[126]

The Project site is not located in or near state responsibility areas or lands classified as high fire hazard severity.

Would the proposed Project:

a) Substantially impair an adopted emergency response plan or emergency evacuation plan?

No Impact. The emergency response plans in effect in the City of Los Angeles are the City's Emergency Operations Plan[127] and the Los Angeles County Operational Area Emergency Response Plan (ERP)[128]. The City's Emergency Operations Plan provides guidance and structure to the City of Los Angeles Emergency Management Department, describes the overall citywide response functions and capabilities, and is to be used by each department identified within this Plan to develop their own standardized operating procedures (SOPs) specifically for their department to direct tactical operations.

The ERP identifies County agencies and other agencies that would be involved in emergency responses; threat summaries and assessments; and procedures for responding agencies that would be involved in coordinating and managing responses. The ERP is focused on emergencies beyond the scope of the daily functions of public safety agencies, such as emergencies requiring multi-agency and/or multi-jurisdictional responses.

Emergency preparedness and response planning would be coordinated through LAUSD's Office of Emergency Services. The existing school currently has an emergency school evacuation plan in compliance with District's "Integrated Safe School Plan"[129]. The proposed Project would not interfere with any other existing emergency response plans or emergency evacuation plans. Therefore, no impact would occur and no further analysis is required.

b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

No Impact. The Project site is located in an urban and built-up area, which does not contain any wildlands in the immediate vicinity of the Project site. The Project site is generally flat without significant topography, and

[125] California Department of Forestry and Fire Protection (CAL FIRE). 2023. https://egis.fire.ca.gov/FHSZ/
[126] California Department of Forestry and Fire Prevention (CAL FIRE). https://egis.fire.ca.gov/FHSZ/
[127] City of Los Angeles. 2018. Emergency Operations Plan. https://emergency.lacity.gov/sites/g/files/wph1791/files/2021-04/comprehensive_emergency_operations_plan_eop-2018.pdf
[128] County of Los Angeles. 2012. https://ceo.lacounty.gov/wp-content/uploads/2019/12/OAERP-Approved-Adopted-Version-6-19-2012.pdf
[129] LAUSD. 2020. Integrated Safe School Plan. https://www.lausd.org/Page/16314#:~:text=LAUSD%20schools%20are%20required%20to,traffic%20safety%20and%20crisis%20intervention.

there are no steep slopes where high winds can exacerbate wildfire risks. Furthermore, CAL FIRE does not classify any adjacent areas as VHFHSZ. Project development would not place people or structures at risk from wildfire. Therefore, no impact would occur and no further analysis is required.

c) Require the installation of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

No Impact. The proposed Project would not require the installation or maintenance of new infrastructure that may exacerbate fire risk. Therefore, no impact would occur and no further analysis is required.

d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

No Impact. The Project site is generally flat without significant topography, and there are no steep slopes where high winds can exacerbate wildfire risks. There are no vegetated slopes susceptible to wildfire in the surrounding area. Thus, implementation of the proposed Project would not result in result of runoff, post-fire slope instability, or drainage changes. Therefore, no impact would occur and no further analysis is required.

4. Environmental Checklist and Analysis

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
XXII. MANDATORY FINDINGS OF SIGNIFICANCE.				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	☐	☐	☒	☐
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	☐	☐	☒	☐
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☐	☒	☐

EXPLANATION

a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

Less than Significant Impact. The proposed Project would neither degrade the quality of the environment nor substantially impact any endangered plant, animals, or habitat. As described in section IV, *Biological Resources*, since the Campus is fully developed and the surrounding area is highly urbanized and is not located within or adjacent to an ESA, the proposed Project would not impact the habitat or population level of a fish, plant, animal community or reduce/restrict the range of a rare or endangered plant or animal. Therefore, impacts related to biological resources would be less than significant and no further analysis is required.

The proposed Project would demolish three buildings, the lunch pavilion, and three sheltered corridors, construct two new buildings, and modernize other buildings on an existing Campus and would not change the character of the surrounding neighborhoods. As described in section V, *Cultural Resources*, after implementation of the proposed Project, the potential historic district would retain integrity of location, design, setting, workmanship, and association from the identified period of significance. Additionally, since the Project site has been highly disturbed and is covered by fill soils, discovery of archaeological and paleontological resources during excavation activities is unlikely. Therefore, impacts related to archaeological, paleontological, and historic resources and human remains would be less than significant and no further analysis is required.

b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)

Less than Significant Impact. Based on the preceding analysis, with implementation of SCs and compliance with existing regulations, the proposed Project would not result in significant adverse impacts that could contribute to a cumulatively considerable impact. In consideration of the preceding analysis, the proposed Project's contribution to cumulative impacts would be less than significant, and therefore, Project impacts would not be cumulatively considerable.

c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

Less than Significant Impact. As discussed in the above analyses, the prosed Project would not result in significant direct or indirect adverse impacts or result in substantial adverse effects on human beings. No further analysis is required.

4. Environmental Checklist and Analysis

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Appendices

Appendices are on USB Drive

A. Air Quality and Greenhouse Gas Emissions Background and Modeling Data, PlaceWorks

B. 49th Street Elementary School Tree Inventory Report, Carlberg Associates

C. 49th Street Elementary School Historical Resources Evaluation Report, Historic Resources Group

D. 49th Street Elementary School Historic Resources Technical Report, Historic Resources Group

E. Preliminary Geotechnical Investigation – Proposed Major Modernization Project – 49th Street Elementary School, Geotechnical Professionals Inc.

F. Phase I Environmental Site Assessment 49th Street Elementary School, Tetra Tech

G. Preliminary Environmental Assessment Equivalent Report - 49th Street Elementary School – Major Modernization Project, Ninyo & Moore Geotechnical & Environmental Sciences Consultants

H. 49th Street Elementary School Removal Action Workplan – Major Modernization, Ninyo & Moore Geotechnical & Environmental Sciences Consultants

I. Noise and Vibration Background and Modeling Data, PlaceWorks

Appendices

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Appendix A. Air Quality and Greenhouse Gas Emissions Background and Modeling Data

Appendices

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Air Quality and Greenhouse Gas Background and Modeling Data

AIR QUALITY

Air Quality Regulatory Setting

The proposed project has the potential to release gaseous emissions of criteria pollutants and dust into the ambient air; therefore, it falls under the ambient air quality standards promulgated at the local, state, and federal levels. The project site is in the SoCAB and is subject to the rules and regulations imposed by the South Coast Air Quality Management District (South Coast AQMD). However, South Coast AQMD reports to California Air Resources board (CARB), and all criteria emissions are also governed by the California and national Ambient Air Quality Standards (AAQS). Federal, state, regional, and local laws, regulations, plans, or guidelines that are potentially applicable to the proposed project are summarized below.

AMBIENT AIR QUALITY STANDARDS

The Clean Air Act (CAA) was passed in 1963 by the US Congress and has been amended several times. The 1970 Clean Air Act amendments strengthened previous legislation and laid the foundation for the regulatory scheme of the 1970s and 1980s. In 1977, Congress again added several provisions, including nonattainment requirements for areas not meeting National AAQS and the Prevention of Significant Deterioration program. The 1990 amendments represent the latest in a series of federal efforts to regulate the protection of air quality in the United States. The CAA allows states to adopt more stringent standards or to include other pollution species. The California Clean Air Act (CCAA), signed into law in 1988, requires all areas of the state to achieve and maintain the California AAQS by the earliest practical date. The California AAQS tend to be more restrictive than the National AAQS, based on even greater health and welfare concerns.

These National AAQS and California AAQS are the levels of air quality considered to provide a margin of safety in the protection of the public health and welfare. They are designed to protect "sensitive receptors" most susceptible to further respiratory distress, such as asthmatics, the elderly, very young children, people already weakened by other disease or illness, and persons engaged in strenuous work or exercise. Healthy adults can tolerate occasional exposure to air pollutant concentrations considerably above these minimum standards before adverse effects are observed.

Both California and the federal government have established health-based AAQS for seven air pollutants. As shown in Table 1, *Ambient Air Quality Standards for Criteria Pollutants*, these pollutants include ozone (O_3), nitrogen dioxide (NO_2), carbon monoxide (CO), sulfur dioxide (SO_2), coarse inhalable particulate matter (PM_{10}), fine inhalable particulate matter ($PM_{2.5}$), and lead (Pb). In addition, the state has set standards for

sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles. These standards are designed to protect the health and welfare of the populace with a reasonable margin of safety.

Table 1 Ambient Air Quality Standards for Criteria Pollutants

Pollutant	Averaging Time	California Standard[1]	Federal Primary Standard[2]	Major Pollutant Sources
Ozone (O_3)[3]	1 hour	0.09 ppm	*	Motor vehicles, paints, coatings, and solvents.
	8 hours	0.070 ppm	0.070 ppm	
Carbon Monoxide (CO)	1 hour	20 ppm	35 ppm	Internal combustion engines, primarily gasoline-powered motor vehicles.
	8 hours	9.0 ppm	9 ppm	
Nitrogen Dioxide (NO_2)	Annual Arithmetic Mean	0.030 ppm	0.053 ppm	Motor vehicles, petroleum-refining operations, industrial sources, aircraft, ships, and railroads.
	1 hour	0.18 ppm	0.100 ppm	
Sulfur Dioxide (SO_2)	Annual Arithmetic Mean	*	0.030 ppm	Fuel combustion, chemical plants, sulfur recovery plants, and metal processing.
	1 hour	0.25 ppm	0.075 ppm	
	24 hours	0.04 ppm	0.14 ppm	
Respirable Coarse Particulate Matter (PM_{10})	Annual Arithmetic Mean	20 µg/m^3	*	Dust and fume-producing construction, industrial, and agricultural operations, combustion, atmospheric photochemical reactions, and natural activities (e.g., wind-raised dust and ocean sprays).
	24 hours	50 µg/m^3	150 µg/m^3	
Respirable Fine Particulate Matter ($PM_{2.5}$)[4]	Annual Arithmetic Mean	12 µg/m^3	12 µg/m^3	Dust and fume-producing construction, industrial, and agricultural operations, combustion, atmospheric photochemical reactions, and natural activities (e.g., wind-raised dust and ocean sprays).
	24 hours	*	35 µg/m^3	
Lead (Pb)	30-Day Average	1.5 µg/m^3	*	Present source: lead smelters, battery manufacturing & recycling facilities. Past source: combustion of leaded gasoline.
	Calendar Quarter	*	1.5 µg/m^3	
	Rolling 3-Month Average	*	0.15 µg/m^3	
Sulfates (SO_4)[5]	24 hours	25 µg/m^3	*	Industrial processes.
Visibility Reducing Particles	8 hours	ExCo =0.23/km visibility of 10≥ miles	No Federal Standard	Visibility-reducing particles consist of suspended particulate matter, which is a complex mixture of tiny particles that consists of dry solid fragments, solid cores with liquid coatings, and small droplets of liquid. These particles vary greatly in shape, size and chemical composition, and can be made up of many different materials such as metals, soot, soil, dust, and salt.

Table 1 Ambient Air Quality Standards for Criteria Pollutants

Pollutant	Averaging Time	California Standard[1]	Federal Primary Standard[2]	Major Pollutant Sources
Hydrogen Sulfide	1 hour	0.03 ppm	No Federal Standard	Hydrogen sulfide (H_2S) is a colorless gas with the odor of rotten eggs. It is formed during bacterial decomposition of sulfur-containing organic substances. Also, it can be present in sewer gas and some natural gas and can be emitted as the result of geothermal energy exploitation.
Vinyl Chloride	24 hours	0.01 ppm	No Federal Standard	Vinyl chloride (chloroethene), a chlorinated hydrocarbon, is a colorless gas with a mild, sweet odor. Most vinyl chloride is used to make polyvinyl chloride (PVC) plastic and vinyl products. Vinyl chloride has been detected near landfills, sewage plants, and hazardous waste sites, due to microbial breakdown of chlorinated solvents.

Source: CARB 2016.
Notes: ppm: parts per million; µg/m^3: micrograms per cubic meter
* Standard has not been established for this pollutant/duration by this entity.
1 California standards for O_3, CO (except 8-hour Lake Tahoe), SO_2 (1 and 24 hour), NO_2, and particulate matter (PM_{10}, $PM_{2.5}$, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2 National standards (other than O_3, PM, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The O_3 standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 µg/m^3 is equal to or less than one. For $PM_{2.5}$, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard.
3 On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
4 On December 14, 2012, the national annual $PM_{2.5}$ primary standard was lowered from 15 µg/m^3 to 12.0 µg/m^3. The existing national 24-hour $PM_{2.5}$ standards (primary and secondary) were retained at 35 µg/m^3, as was the annual secondary standard of 15 µg/m^3. The existing 24-hour PM_{10} standards (primary and secondary) of 150 µg/m^3 also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
5 On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. The 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.

California has also adopted a host of other regulations that reduce criteria pollutant emissions, including:

- AB 1493: Pavley Fuel Efficiency Standards
- Title 20 California Code of Regulations (CCR): Appliance Energy Efficiency Standards
- Title 24, Part 6, CCR: Building and Energy Efficiency Standards
- Title 24, Part 11, CCR: Green Building Standards Code

AIR POLLUTANTS OF CONCERN

Criteria Air Pollutants

The air pollutants emitted into the ambient air by stationary and mobile sources are regulated by federal and state law. Air pollutants are categorized as primary or secondary pollutants. Primary air pollutants are those that are emitted directly from sources and include CO, VOC, NO_2, SO_X, PM_{10}, $PM_{2.5}$, and Pb. Of these, CO, SO_2, NO_2, PM_{10}, and $PM_{2.5}$ are "criteria air pollutants," which means that ambient air quality standards (AAQS) have been established for them. VOC and oxides of nitrogen (NO_x) are air pollutant precursors that form secondary criteria pollutants through chemical and photochemical reactions in the atmosphere. Ozone (O_3) and NO_2 are the principal secondary pollutants. A description of each of the primary and secondary criteria air pollutants and their known health effects is presented below.

Carbon Monoxide (CO) is a colorless, odorless, toxic gas produced by incomplete combustion of carbon substances, such as gasoline or diesel fuel. CO is a primary criteria air pollutant. CO concentrations tend to be the highest during winter mornings with little to no wind, when surface-based inversions trap the pollutant at ground levels. Because CO is emitted directly from internal combustion, engines and motor vehicles operating at slow speeds are the primary source of CO in the SoCAB. The highest ambient CO concentrations are generally found near traffic-congested corridors and intersections. The primary adverse health effect associated with CO is interference with normal oxygen transfer to the blood, which may result in tissue oxygen deprivation (South Coast AQMD 2005; US EPA 2023). The SoCAB is designated as being in attainment under the California AAQS and attainment (serious maintenance) under the National AAQS (CARB 2023a).

Volatile Organic Compounds (VOC) are composed primarily of hydrogen and carbon atoms. Internal combustion associated with motor vehicle usage is the major source of VOCs. Other sources include evaporative emissions from paints and solvents, asphalt paving, and household consumer products such as aerosols (South Coast AQMD 2005). There are no AAQS for VOCs. However, because they contribute to the formation of O_3, South Coast AQMD has established a significance threshold (South Coast AQMD 2023). The health effects for ozone are described later in this section.

Nitrogen Oxides (NO_X) are a by-product of fuel combustion and contribute to the formation of ground-level O_3, PM_{10}, and $PM_{2.5}$. The two major forms of NO_X are nitric oxide (NO) and nitrogen dioxide (NO_2). NO is a colorless, odorless gas formed from atmospheric nitrogen and oxygen when combustion takes place under high temperature and/or high pressure. The principal form of NO_X produced by combustion is NO, but NO reacts quickly with oxygen to form NO_2, creating the mixture of NO and NO_2 commonly called NO_X. NO_2 is an acute irritant and more injurious than NO in equal concentrations. At atmospheric concentrations, however, NO_2 is only potentially irritating. NO_2 absorbs blue light; the result is a brownish-red cast to the atmosphere and reduced visibility. NO_2 exposure concentrations near roadways are of particular concern for susceptible individuals, including asthmatics, children, and the elderly. Current scientific evidence links short-term NO_2 exposures, ranging from 30 minutes to 24 hours, with adverse respiratory effects, including airway inflammation in healthy people and increased respiratory symptoms in people with asthma. Also, studies show a connection between elevated short-term NO_2 concentrations and increased visits to emergency departments and hospital admissions for respiratory issues, especially asthma (South Coast AQMD 2005; USEPA 2023a). On February 21, 2019, CARB's Board approved the separation of the area that runs along the State Route 60 corridor through portions of Riverside, San Bernardino, and Los Angeles counties from the remainder of the SoCAB for state nonattainment designation purposes. The Board designated this corridor as nonattainment.[1] The remainder of the SoCAB is designated in attainment (maintenance) under the National AAQS and attainment under the California AAQS (CARB 2023a).

Sulfur Dioxide (SO_2) is a colorless, pungent, irritating gas formed by the combustion of sulfurous fossil fuels. It enters the atmosphere as a result of burning high-sulfur-content fuel oils and coal and chemical processes at plants and refineries. Gasoline and natural gas have very low sulfur content and do not release

[1] CARB is proposing to redesignate SR-60 Near-Road Portion of San Bernardino, Riverside, and Los Angeles Counties in the SoCAB as attainment for NO_2 at the February 24, 2022 Board Hearing (CARB 2023d).

significant quantities of SO_2. When sulfur dioxide forms sulfates (SO_4) in the atmosphere, together these pollutants are referred to as sulfur oxides (SO_X). Thus, SO_2 is both a primary and secondary criteria air pollutant. At sufficiently high concentrations, SO_2 may irritate the upper respiratory tract. Current scientific evidence links short-term exposures to SO_2, ranging from 5 minutes to 24 hours, with an array of adverse respiratory effects, including bronchoconstriction and increased asthma symptoms. These effects are particularly adverse for asthmatics at elevated ventilation rates (e.g., while exercising or playing) at lower concentrations and when combined with particulates, SO_2 may do greater harm by injuring lung tissue. Studies also show a connection between short-term exposure and increased visits to emergency facilities and hospital admissions for respiratory illnesses, particularly in at-risk populations such as children, the elderly, and asthmatics (South Coast AQMD 2005; US EPA 2023). The SoCAB is designated as attainment under the California and National AAQS (CARB 2023a).

Suspended Particulate Matter (PM_{10} and $PM_{2.5}$) consists of finely divided solids or liquids such as soot, dust, aerosols, fumes, and mists. Two forms of fine particulates are now recognized and regulated. Inhalable coarse particles, or PM_{10}, include particulate matter with an aerodynamic diameter of 10 microns or less (i.e., ≤0.01 millimeter). Inhalable fine particles, or $PM_{2.5}$, have an aerodynamic diameter of 2.5 microns or less (i.e., ≤0.002.5 millimeter). Particulate discharge into the atmosphere results primarily from industrial, agricultural, construction, and transportation activities. Both PM_{10} and $PM_{2.5}$ may adversely affect the human respiratory system, especially in people who are naturally sensitive or susceptible to breathing problems. The EPA's scientific review concluded that $PM_{2.5}$, which penetrates deeply into the lungs, is more likely than PM_{10} to contribute to health effects and at far lower concentrations. These health effects include premature death in people with heart or lung disease, nonfatal heart attacks, irregular heartbeat, aggravated asthma, decreased lung function, and increased respiratory symptoms (e.g., irritation of the airways, coughing, or difficulty breathing) (South Coast AQMD 2005). There has been emerging evidence that ultrafine particulates, which are even smaller particulates with an aerodynamic diameter of <0.1 microns or less (i.e., ≤0.0001 millimeter) have human health implications because their toxic components may initiate or facilitate biological processes that may lead to adverse effects to the heart, lungs, and other organs (South Coast AQMD 2013). However, the EPA and the California Air Resources Board (CARB) have not adopted AAQS to regulate these particulates. Diesel particulate matter is classified by CARB as a carcinogen (CARB 2023e). Particulate matter can also cause environmental effects such as visibility impairment,[2] environmental damage,[3] and aesthetic damage[4] (South Coast AQMD 2005; US EPA 2023). The SoCAB is a nonattainment area for $PM_{2.5}$ under California and National AAQS and a nonattainment area for PM_{10} under the California AAQS (CARB 2023a).[5]

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[2] $PM_{2.5}$ is the main cause of reduced visibility (haze) in parts of the United States.

[3] Particulate matter can be carried over long distances by wind and then settle on ground or water, making lakes and streams acidic; changing the nutrient balance in coastal waters and large river basins; depleting the nutrients in soil; damaging sensitive forests and farm crops; and affecting the diversity of ecosystems.

[4] Particulate matter can stain and damage stone and other materials, including culturally important objects such as statues and monuments.

[5] CARB approved the South Coast AQMD's request to redesignate the SoCAB from serious nonattainment for PM_{10} to attainment for PM_{10} under the National AAQS on March 25, 2010, because the SoCAB did not violate federal 24-hour PM_{10} standards from

Ozone (O_3) is a key ingredient of "smog" and is a gas that is formed when VOCs and NO_X, both by-products of internal combustion engine exhaust, undergo photochemical reactions in sunlight. O_3 is a secondary criteria air pollutant. O_3 concentrations are generally highest during the summer months when direct sunlight, light winds, and warm temperatures create favorable conditions for its formation. O_3 poses a health threat to those who already suffer from respiratory diseases as well as to healthy people. Breathing O_3 can trigger a variety of health problems, including chest pain, coughing, throat irritation, and congestion. It can worsen bronchitis, emphysema, and asthma. Ground-level O_3 also can reduce lung function and inflame the linings of the lungs. Repeated exposure may permanently scar lung tissue. O_3 also affects sensitive vegetation and ecosystems, including forests, parks, wildlife refuges, and wilderness areas. In particular, O_3 harms sensitive vegetation during the growing season (South Coast AQMD 2005; US EPA 2023). The SoCAB is designated extreme nonattainment under the California AAQS (1-hour and 8-hour) and National AAQS (8-hour) (CARB 2023a).

Lead (Pb) is a metal found naturally in the environment as well as in manufactured products. Once taken into the body, lead distributes throughout the body in the blood and accumulates in the bones. Depending on the level of exposure, lead can adversely affect the nervous system, kidney function, immune system, reproductive and developmental systems, and the cardiovascular system. Lead exposure also affects the oxygen-carrying capacity of the blood. The effects of lead most commonly encountered in current populations are neurological effects in children and cardiovascular effects in adults (e.g., high blood pressure and heart disease). Infants and young children are especially sensitive to even low levels of lead, which may contribute to behavioral problems, learning deficits, and lowered IQ (South Coast AQMD 2005; USEPA 2018). The major sources of lead emissions have historically been mobile and industrial sources. As a result of the EPA's regulatory efforts to remove lead from gasoline, emissions of lead from the transportation sector dramatically declined by 95 percent between 1980 and 1999, and levels of lead in the air decreased by 94 percent between 1980 and 1999. Today, the highest levels of lead in air are usually found near lead smelters. The major sources of lead emissions today are ore and metals processing and piston-engine aircraft operating on leaded aviation gasoline. However, in 2008 the EPA and CARB adopted more strict lead standards, and special monitoring sites immediately downwind of lead sources recorded very localized violations of the new state and federal standards.[6] As a result of these violations, the Los Angeles County portion of the SoCAB is designated as nonattainment under the National AAQS for lead (South Coast AQMD 2012; CARB 2023a). However, lead concentrations in this nonattainment area have been below the level of the federal standard since December 2011 (South Coast AQMD 2012). CARB's State Implementation Plan (SIP) revision was submitted to the EPA for approval. Because emissions of lead are found only in projects that are permitted by South Coast AQMD, lead is not a pollutant of concern for the proposed project.

2004 to 2007. The EPA approved the State of California's request to redesignate the South Coast PM_{10} nonattainment area to attainment of the PM_{10} National AAQS, effective on July 26, 2013.

6 Source-oriented monitors record concentrations of lead at lead-related industrial facilities in the SoCAB, which include Exide Technologies in the City of Commerce; Quemetco, Inc., in the City of Industry; Trojan Battery Company in Santa Fe Springs; and Exide Technologies in Vernon. Monitoring conducted between 2004 through 2007 showed that the Trojan Battery Company and Exide Technologies exceed the federal standards (South Coast AQMD 2012).

Toxic Air Contaminants

The public's exposure to air pollutants classified as toxic air contaminants (TACs) is a significant environmental health issue in California. In 1983, the California Legislature enacted a program to identify the health effects of TACs and to reduce exposure to these contaminants to protect the public health. The California Health and Safety Code defines a TAC as "an air pollutant which may cause or contribute to an increase in mortality or in serious illness, or which may pose a present or potential hazard to human health." A substance that is listed as a hazardous air pollutant (HAP) pursuant to Section 112(b) of the federal Clean Air Act (42 United States Code §7412[b]) is a toxic air contaminant. Under state law, the California Environmental Protection Agency (Cal/EPA), acting through CARB, is authorized to identify a substance as a TAC if it determines that the substance is an air pollutant that may cause or contribute to an increase in mortality or to an increase in serious illness, or may pose a present or potential hazard to human health.

California regulates TACs primarily through Assembly Bill (AB) 1807 (Tanner Air Toxics Act) and AB 2588 (Air Toxics "Hot Spot" Information and Assessment Act of 1987). The Tanner Air Toxics Act sets forth a formal procedure for CARB to designate substances as TACs. Once a TAC is identified, CARB adopts an "airborne toxics control measure" for sources that emit designated TACs. If there is a safe threshold for a substance (i.e., a point below which there is no toxic effect), the control measure must reduce exposure to below that threshold. If there is no safe threshold, the measure must incorporate toxics best available control technology to minimize emissions. To date, CARB has established formal control measures for 11 TACs, all of which are identified as having no safe threshold.

Air toxics from stationary sources are also regulated in California under the Air Toxics "Hot Spot" Information and Assessment Act of 1987. Under AB 2588, toxic air contaminant emissions from individual facilities are quantified and prioritized by the air quality management district or air pollution control district. High priority facilities are required to perform a health risk assessment and, if specific thresholds are exceeded, are required to communicate the results to the public in the form of notices and public meetings.

By the last update to the TAC list in December 1999, CARB had designated 244 compounds as TACs (CARB 1999). Additionally, CARB has implemented control measures for a number of compounds that pose high risks and show potential for effective control. The majority of the estimated health risks from TACs can be attributed to relatively few compounds, the most important being particulate matter from diesel-fueled engines.

Diesel Particulate Matter

In 1998, CARB identified particulate emissions from diesel-fueled engines (diesel PM) as a TAC. Previously, the individual chemical compounds in diesel exhaust were considered TACs. Almost all diesel exhaust particle mass is 10 microns or less in diameter. Because of their extremely small size, these particles can be inhaled and eventually trapped in the bronchial and alveolar regions of the lung.

CARB has promulgated the following specific rules to limit TAC emissions:

- 13 CCR Chapter 10, Section 2485, Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling
- 13 CCR Chapter 10, Section 2480, Airborne Toxic Control Measure to Limit School Bus Idling and Idling at Schools
- 13 CCR Section 2477 and Article 8, Airborne Toxic Control Measure for In-Use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets and Facilities Where TRUs Operate

Community Risk

In addition, to reduce exposure to TACs, CARB developed and approved the *Air Quality and Land Use Handbook: A Community Health Perspective* (2005) to provide guidance regarding the siting of sensitive land uses in the vicinity of freeways, distribution centers, rail yards, ports, refineries, chrome-plating facilities, dry cleaners, and gasoline-dispensing facilities. This guidance document was developed to assess compatibility and associated health risks when placing sensitive receptors near existing pollution sources. CARB's recommendations on the siting of new sensitive land uses were based on a compilation of recent studies that evaluated data on the adverse health effects from proximity to air pollution sources. The key observation in these studies is that proximity to air pollution sources substantially increases exposure and the potential for adverse health effects. There are three carcinogenic toxic air contaminants that constitute the majority of the known health risks from motor vehicle traffic, DPM from trucks, and benzene and 1,3-butadiene from passenger vehicles. CARB recommendations are based on data that show that localized air pollution exposures can be reduced by as much as 80 percent by following CARB minimum distance separations.

AIR QUALITY MANAGEMENT PLANNING

The South Coast AQMD is the agency responsible for improving air quality in the SoCAB and ensuring that the National and California AAQS are attained and maintained. South Coast AQMD is responsible for preparing the air quality management plan (AQMP) for the SoCAB in coordination with the Southern California Association of Governments (SCAG). Since 1979, a number of AQMPs have been prepared.

2022 AQMP

South Coast AQMD adopted the 2022 AQMP on December 2, 2022, which serves as an update to the 2017 AQMP. On October 1, 2015, the EPA strengthened the National AAQS for ground-level ozone, lowering the primary and secondary ozone standard levels to 70 parts per billion (ppb) (2015 Ozone National AAQS.). The SoCAB is currently classified as an "extreme" nonattainment for the 2015 Ozone National AAQS. Meeting the 2015 federal ozone standard requires reducing NO_x emissions, the key pollutant that creates ozone, by 67 percent more than is required by adopted rules and regulations in 2037. The only way to achieve the required NO_x reductions is through extensive use of zero emission (ZE) technologies across all stationary and mobile sources. South Coast AQMD's primary authority is over stationary sources which account for approximately 20 percent of NO_x emissions. The overwhelming majority of NO_x emissions are from heavy-duty trucks, ships and other State and federally regulated mobile sources that are mostly beyond the South Coast AQMD's control. The region will not meet the standard absent significant federal action. In addition to

federal action, the 2022 AQMP requires substantial reliance on future deployment of advanced technologies to meet the standard. The control strategy for the 2022 AQMP includes aggressive new regulations and the development of incentive programs to support early deployment of advanced technologies. The two key areas for incentive programs are (1) promoting widespread deployment of available ZE and low-NO_x technologies and (2) developing new ZE and ultra-low NO_x technologies for use in cases where the technology is not currently available. South Coast AQMD is prioritizing distribution of incentive funding in Environmental Justice areas and seeking opportunities to focus benefits on the most disadvantaged communities (South Coast AQMD 2022).

Lead State Implementation Plan

In 2008, EPA designated the Los Angeles County portion of the SoCAB nonattainment under the federal lead (Pb) classification due to the addition of source-specific monitoring under the new federal regulation. This designation was based on two source-specific monitors in Vernon and the City of Industry exceeding the new standard. The rest of the SoCAB, outside the Los Angeles County nonattainment area remains in attainment of the new standard. On May 24, 2012, CARB approved the SIP revision for the federal lead standard, which the EPA revised in 2008. Lead concentrations in this nonattainment area have been below the level of the federal standard since December 2011. The SIP revision was submitted to EPA for approval.

South Coast AQMD PM2.5 Redesignation Request and Maintenance Plan

In 1997, the EPA adopted the 24-hour fine $PM_{2.5}$ standard of 65 micrograms per cubic meter ($\mu g/m^3$). In 2006, this standard was lowered to a more health-protective level of 35 $\mu g/m^3$. The SoCAB is designated nonattainment for both the 65 and 35 $\mu g/m^3$ 24-hour $PM_{2.5}$ standards (24-hour $PM_{2.5}$ standards). In 2020, monitored data demonstrated that the SoCAB attained both 24-hour $PM_{2.5}$ standards. The South Coast AQMD has developed the 2021 Redesignation Request and Maintenance Plan for the 1997 and 2006 24-hour $PM_{2.5}$ Standards demonstrating that the SoCAB has met the requirements to be redesignated to attainment for the 24-hour $PM_{2.5}$ standards (South Coast AQMD 2021b).

AB 617, Community Air Protection Program

Assembly Bill (AB) 617 (C. Garcia, Chapter 136, Statutes of 2017) requires local air districts to monitor and implement air pollution control strategies that reduce localized air pollution in communities that bear the greatest burdens. In response to AB 617, CARB has established the Community Air Protection Program.

Air districts are required to host workshops to help identify disadvantaged communities disproportionately affected by poor air quality. Once the criteria for identifying the highest priority locations have been identified and the communities have been selected, new community monitoring systems would be installed to track and monitor community-specific air pollution goals. In 2018 CARB prepared an air monitoring plan (Community Air Protection Blueprint), that evaluates the availability and effectiveness of air monitoring technologies and existing community air monitoring networks. Under AB 617, the Blueprint is required to be updated every five years.

Under AB 617, CARB is also required to prepare a statewide strategy to reduce TACs and criteria pollutants in impacted communities; provide a statewide clearinghouse for best available retrofit control technology;

adopt new rules requiring the latest best available retrofit control technology for all criteria pollutants for which an area has not achieved attainment of California AAQS; and provide uniform, statewide reporting of emissions inventories. Air districts are required to adopt a community emissions reduction program to achieve reductions for the communities impacted by air pollution that CARB identifies.

Existing Conditions

CLIMATE/METEOROLOGY

South Coast Air Basin

The project site lies in the South Coast Air Basin (SoCAB), which includes all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. The SoCAB is in a coastal plain with connecting broad valleys and low hills and is bounded by the Pacific Ocean in the southwest quadrant, with high mountains forming the remainder of the perimeter. The general region lies in the semi-permanent high-pressure zone of the eastern Pacific. As a result, the climate is mild, tempered by cool sea breezes. This usually mild weather pattern is interrupted infrequently by periods of extremely hot weather, winter storms, and Santa Ana winds (South Coast AQMD 2005).

Temperature and Precipitation

The annual average temperature varies little throughout the SoCAB, ranging from the low to middle 60s, measured in degrees Fahrenheit (°F). With a more pronounced oceanic influence, coastal areas show less variability in annual minimum and maximum temperatures than inland areas. The climatological station nearest to the project site with temperature data is the Los Angeles Downtown USC Campus, California Monitoring Station (ID No. 045115). The lowest average temperature is reported at 48.3°F in January, and the highest average temperature is 83.1°F in August.

In contrast to a very steady pattern of temperature, rainfall is seasonally and annually highly variable. Almost all rain falls from October through April. Summer rainfall is normally restricted to widely scattered thundershowers near the coast, with slightly heavier shower activity in the east and over the mountains. Rainfall averages 14.77 inches per year in the vicinity of the area (WRCC 2023).

Humidity

Although the SoCAB has a semiarid climate, the air near the earth's surface is typically moist because of the presence of a shallow marine layer. Except for infrequent periods when dry, continental air is brought into the SoCAB by offshore winds, the "ocean effect" is dominant. Periods of heavy fog, especially along the coast, are frequent. Low clouds, often referred to as high fog, are a characteristic climatic feature. Annual average humidity is 70 percent at the coast and 57 percent in the eastern portions of the (South Coast AQMD 2005).

Wind

Wind patterns across the south coastal region are characterized by westerly or southwesterly onshore winds during the day and by easterly or northeasterly breezes at night. Wind speed is somewhat greater during the dry summer months than during the rainy winter season.

Between periods of wind, periods of air stagnation may occur, both in the morning and evening hours. Air stagnation is one of the critical determinants of air quality conditions on any given day. During the winter and fall months, surface high-pressure systems over the SoCAB, combined with other meteorological conditions, can result in very strong, downslope Santa Ana winds. These winds normally continue a few days before predominant meteorological conditions are reestablished.

The mountain ranges to the east affect the transport and diffusion of pollutants by inhibiting their eastward transport. Air quality in the SoCAB generally ranges from fair to poor and is similar to air quality in most of coastal southern California. The entire region experiences heavy concentrations of air pollutants during prolonged periods of stable atmospheric conditions (South Coast AQMD 2005).

Inversions

In conjunction with the two characteristic wind patterns that affect the rate and orientation of horizontal pollutant transport, there are two similarly distinct types of temperature inversions that control the vertical depth through which pollutants are mixed. These are the marine/subsidence inversion and the radiation inversion. The combination of winds and inversions are critical determinants in leading to the highly degraded air quality in summer and the generally good air quality in the winter in the project area (South Coast AQMD 2005).

AREA DESIGNATIONS

The AQMP provides the framework for air quality basins to achieve attainment of the state and federal ambient air quality standards through the State Implementation Plan (SIP). Areas are classified as attainment or nonattainment areas for particular pollutants, depending on whether they meet ambient air quality standards. Severity classifications for ozone nonattainment range in magnitude from marginal, moderate, and serious to severe and extreme.

- **Unclassified:** a pollutant is designated unclassified if the data are incomplete and do not support a designation of attainment or nonattainment.

- **Attainment:** a pollutant is in attainment if the CAAQS for that pollutant was not violated at any site in the area during a three-year period.

- **Nonattainment:** a pollutant is in nonattainment if there was at least one violation of a state AAQS for that pollutant in the area.

- **Nonattainment/Transitional:** a subcategory of the nonattainment designation. An area is designated nonattainment/transitional to signify that the area is close to attaining the AAQS for that pollutant.

The attainment status for the SoCAB is shown in Table 2, *Attainment Status of Criteria Pollutants in the South Coast Air Basin*.

Table 2 Attainment Status of Criteria Pollutants in the South Coast Air Basin

Pollutant	State	Federal
Ozone – 1-hour	Extreme Nonattainment	No Federal Standard
Ozone – 8-hour	Extreme Nonattainment	Extreme Nonattainment
PM_{10}	Serious Nonattainment	Attainment
$PM_{2.5}$	Nonattainment	Nonattainment[2]
CO	Attainment	Attainment
NO_2	Nonattainment (SR-60 Near Road only)[1]	Attainment/Maintenance
SO_2	Attainment	Attainment
Lead	Attainment	Nonattainment (Los Angeles County only)[3]
All others	Attainment/Unclassified	Attainment/Unclassified

Source: CARB 2023c.

1 On February 21, 2019, CARB's Board approved the separation of the area that runs along State Route 60 corridor through portions of Riverside, San Bernardino, and Los Angeles counties from the remainder of the SoCAB for State nonattainment designation purposes. The Board designated this corridor as nonattainment. The remainder of the SoCAB remains in attainment for NO_2 (CARB 2019a). CARB is proposing to redesignate SR-60 Near-Road Portion of San Bernardino, Riverside, and Los Angeles Counties in the SoCAB as attainment for NO_2 at the February 24, 2022 Board Hearing (CARB 2023c).

2 The SoCAB is pending a resignation request from nonattainment to attainment for the 24-hour federal $PM_{2.5}$ standards. The 2021 $PM_{2.5}$ Redesignation Request and Maintenance Plan demonstrates that the South Coast meets the requirements of the CAA to allow US EPA to redesignate the SoCAB to attainment for the 65 µg/m^3 and 35 µg/m^3 24-hour $PM_{2.5}$ standards. CARB will submit the 2021 $PM_{2.5}$ Redesignation Request to the US EPA as a revision to the California SIP (CARB 2021).

3 In 2010, the Los Angeles portion of the SoCAB was designated nonattainment for lead under the new 2008 federal AAQS as a result of large industrial emitters. Remaining areas in the SoCAB are unclassified.

EXISTING AMBIENT AIR QUALITY

Existing levels of ambient air quality and historical trends and projections in the vicinity of the project site are best documented by measurements taken by the South Coast AQMD. The project site is located within Source Receptor Area (SRA) 1: Central Los Angeles. The air quality monitoring station closest to the proposed project is the Los Angeles – North Main Street Monitoring Station, which is one of 31 monitoring stations South Coast AQMD operates and maintains within the SoCAB.[7] Data from this station includes O_3, NO_2, PM_{10}, and $PM_{2.5}$ and is summarized in Table 3, *Ambient Air Quality Monitoring Summary*. The data show regular violations of the state and federal O_3, state PM_{10}, and federal $PM_{2.5}$ standards in the last five years.

[7] Locations of the SRAs and monitoring stations are shown here: http://www.aqmd.gov/docs/default-source/default-document-library/map-of-monitoring-areas.pdf.

Table 3 Ambient Air Quality Monitoring Summary

Pollutant/Standard	Number of Days Threshold Were Exceeded and Maximum Levels during Such Violations[1,2]				
	2017	2018	2019	2020	2021
Ozone (O_3)					
State 1-Hour ≥ 0.09 ppm (days exceed threshold)	14	4	2	22	2
State & Federal 8-hour ≥ 0.070 ppm (days exceed threshold)	9	0	1	16	1
Max. 1-Hour Conc. (ppm)	0.116	0.098	0.093	0.185	0.099
Max. 8-Hour Conc. (ppm)	0.086	0.073	0.080	0.118	0.085
Nitrogen Dioxide (NO_2)					
State 1-Hour ≥ 0.18 ppm (days exceed threshold)	0	0	0	0	0
Max. 1-Hour Conc. (ppb)	0.0806	0.0701	0.0697	0.0618	0.0778
Coarse Particulates (PM_{10})					
State 24-Hour > 50 µg/m^3 (days exceed threshold)	40	31	15	34	14
Federal 24-Hour > 150 µg/m^3 (days exceed threshold)	0	0	0	1	0
Max. 24-Hour Conc. (µg/m^3)	96.2	81.2	93.9	185.2	138.5
Fine Particulates ($PM_{2.5}$)					
Federal 24-Hour > 35 µg/m^3 (days exceed threshold)	6	6	1	12	13
Max. 24-Hour Conc. (µg/m^3)	54.9	61.4	43.5	175.0	61.0

Source: CARB 2023b.
Notes: ppm = parts per million; ppb = parts per billion; µg/m^3 = micrograms per cubic meter; * = Data not available
[1] Data obtained from the Los Angeles – North Main Street Monitoring Station.
[2] Most recent data available as of August 2023.

MULTIPLE AIR TOXICS EXPOSURE STUDY V

The Multiple Air Toxics Exposure Study (MATES) is a monitoring and evaluation study on existing ambient concentrations of TACs and the potential health risks from air toxics in the SoCAB. In April 2021, South Coast AQMD released the latest update to the MATES study, MATES V. The first MATES analysis, MATES I, began in 1986 but was limited because of the technology available at the time. Conducted in 1998, MATES II was the first MATES iteration to include a comprehensive monitoring program, an air toxics emissions inventory, and a modeling component. MATES III was conducted in 2004 to 2006, with MATES IV following in 2012 to 2013.

MATES V uses measurements taken during 2018 and 2019, with a comprehensive modeling analysis and emissions inventory based on 2018 data. The previous MATES studies quantified the cancer risks based on the inhalation pathway only. MATES V includes information on the chronic noncancer risks from inhalation and non-inhalation pathways for the first time. Cancer risks and chronic noncancer risks from MATES II through IV measurements have been re-examined using current Office of Environmental Health Hazards Assessment (OEHHA) and CalEPA risk assessment methodologies and modern statistical methods to examine the trends over time.

The MATES V study showed that cancer risk in the SoCAB decreased to 454 in a million from 997 in a million in the MATES IV study. Overall, air toxics cancer risk in the SoCAB decreased by 54 percent since 2012 when MATES IV was conducted. MATES V showed the highest risk locations near the Los Angeles International Airport and the Ports of Long Beach and Los Angeles. Diesel particulate matter continues to be

the major contributor to air toxics cancer risk (approximately 72 percent of the total cancer risk). Goods movement and transportation corridors have the highest cancer risk. Transportation sources account for 88 percent of carcinogenic air toxics emissions, and the remainder is from stationary sources, which include large industrial operations such as refineries and power plants as well as smaller businesses such as gas stations and chrome-plating facilities. (South Coast AQMD 2021a).

SENSITIVE RECEPTORS

Some land uses are considered more sensitive to air pollution than others due to the types of population groups or activities involved. Sensitive population groups include children, the elderly, the acutely ill, and the chronically ill, especially those with cardio-respiratory diseases.

Residential areas are also considered to be sensitive receptors to air pollution because residents (including children and the elderly) tend to be at home for extended periods of time, resulting in sustained exposure to any pollutants present. Schools are also considered sensitive receptors, as children are present for extended durations and engage in regular outdoor activities. Recreational land uses are considered moderately sensitive to air pollution. Although exposure periods are generally short, exercise places a high demand on respiratory functions, which can be impaired by air pollution. In addition, noticeable air pollution can detract from the enjoyment of recreation. Industrial and commercial areas are considered the least sensitive to air pollution. Exposure periods are relatively short and intermittent, as the majority of the workers tend to stay indoors most of the time. In addition, the working population is generally the healthiest segment of the public.

The nearest offsite sensitive receptors are the single-family residences along East 49th Street to the north and west, McKinley Avenue to the east, and East 50th Street to the south of the project site.

Thresholds of Significance

The analysis of the proposed project's air quality impacts follows the guidance and methodologies recommended in South Coast AQMD's *CEQA Air Quality Handbook* and the significance thresholds on South Coast AQMD's website (South Coast AQMD 1993). CEQA allows the significance criteria established by the applicable air quality management or air pollution control district to be used to assess impacts of a project on air quality. South Coast AQMD has established thresholds of significance for regional air quality emissions for construction activities and project operation. In addition to the daily thresholds listed above, projects are also subject to the AAQS. These are addressed though an analysis of localized CO impacts and localized significance thresholds (LSTs).

REGIONAL SIGNIFICANCE THRESHOLDS

The South Coast AQMD has adopted regional construction and operational emissions thresholds to determine a project's cumulative impact on air quality in the SoCAB. Table 4, *South Coast AQMD Significance Thresholds*, lists South Coast AQMD's regional significance thresholds that are applicable for all projects uniformly regardless of size or scope. There is growing evidence that although ultrafine particulates contribute a very small portion of the overall atmospheric mass concentration, they represent a greater

proportion of the health risk from PM. However, the EPA or CARB have not yet adopted AAQS to regulate ultrafine particulates; therefore, South Coast AQMD has not developed thresholds for them.

Table 4 South Coast AQMD Significance Thresholds

Air Pollutant	Construction Phase	Operational Phase
Reactive Organic Gases (ROGs)/ Volatile Organic Compounds (VOCs)	75 lbs/day	55 lbs/day
Nitrogen Oxides (NO_X)	100 lbs/day	55 lbs/day
Carbon Monoxide (CO)	550 lbs/day	550 lbs/day
Sulfur Oxides (SO_X)	150 lbs/day	150 lbs/day
Particulates (PM_{10})	150 lbs/day	150 lbs/day
Particulates ($PM_{2.5}$)	55 lbs/day	55 lbs/day

Source: South Coast AQMD 2023.

Projects that exceed the regional significance threshold contribute to the nonattainment designation of the SoCAB. The attainment designations are based on the AAQS, which are set at levels of exposure that are determined to not result in adverse health. Exposure to fine particulate pollution and ozone causes myriad health impacts, particularly to the respiratory and cardiovascular systems:

- Linked to increased cancer risk ($PM_{2.5}$, TACs)
- Aggravates respiratory disease (O_3, $PM_{2.5}$)
- Increases bronchitis (O_3, $PM_{2.5}$)
- Causes chest discomfort, throat irritation, and increased effort to take a deep breath (O_3)
- Reduces resistance to infections and increases fatigue (O_3)
- Reduces lung growth in children ($PM_{2.5}$)
- Contributes to heart disease and heart attacks ($PM_{2.5}$)
- Contributes to premature death (O_3, $PM_{2.5}$)
- Linked to lower birth weight in newborns ($PM_{2.5}$) (South Coast AQMD 2015a)

Exposure to fine particulates and ozone aggravates asthma attacks and can amplify other lung ailments such as emphysema and chronic obstructive pulmonary disease. Exposure to current levels of $PM_{2.5}$ is responsible for an estimated 4,300 cardiopulmonary-related deaths per year in the SoCAB. In addition, University of Southern California scientists responsible for a landmark children's health study found that lung growth improved as air pollution declined for children aged 11 to 15 in five communities in the SoCAB (South Coast AQMD 2015b).

South Coast AQMD is the primary agency responsible for ensuring the health and welfare of sensitive individuals exposed to elevated concentrations of air pollutants in the SoCAB and has established thresholds that would be protective of these individuals. To achieve the health-based standards established by the EPA, South Coast AQMD prepares an AQMP that details regional programs to attain the AAQS. Mass emissions thresholds shown in Table 4 are not correlated with concentrations of air pollutants but contribute to the cumulative air quality impacts in the SoCAB. These thresholds are based on the trigger levels for the federal

New Source Review Program, which was created to ensure projects are consistent with attainment of health-based federal AAQS. Regional emissions from a single project do not trigger a regional health impact, and it is speculative to identify how many more individuals in the air basin would be affected by the health effects listed previously. Projects that do not exceed the South Coast AQMD regional significance thresholds in Table 4 would not violate any air quality standards or contribute substantially to an existing or projected air quality violation.

If projects exceed the emissions levels presented in Table 4, then those emissions would cumulatively contribute to the nonattainment status of the air basin and would contribute to elevating health effects associated with these criteria air pollutants. Known health effects related to ozone include worsening of bronchitis, asthma, and emphysema and a decrease in lung function. Health effects associated with particulate matter include premature death of people with heart or lung disease, nonfatal heart attacks, irregular heartbeat, decreased lung function, and increased respiratory symptoms. Reducing emissions would contribute to reducing possible health effects related to criteria air pollutants. However, for projects that exceed the emissions in Table 4, it is speculative to determine how exceeding the regional thresholds would affect the number of days the region is in nonattainment, because mass emissions are not correlated with concentrations of emissions or how many additional individuals in the air basin would be affected by the health effects cited previously.

South Coast AQMD has not provided methodology to assess the specific correlation between mass emissions generated and the effect on health to address the issue raised in *Sierra Club v. County of Fresno* (Friant Ranch, L.P.) (2018) 6 Cal.5th 502, Case No. S21978. South Coast AQMD currently does not have methodologies that would provide the District with a consistent, reliable, and meaningful analysis to correlate specific health impacts that may result from a Proposed Project's mass emissions.[8] Ozone concentrations are dependent on a variety of complex factors, including the presence of sunlight and precursor pollutants, natural topography, nearby structures that cause building downwash, atmospheric stability, and wind patterns. Because of the complexities of predicting ground-level ozone concentrations in relation to the National and California AAQS, and the absence of modeling tools that could provide statistically valid data and meaningful additional information regarding health effects from criteria air pollutants generated by individual projects, it is not possible to link specific health risks to the magnitude of emissions exceeding the significance thresholds. However, if a project in the SoCAB exceeds the regional significance thresholds, the project could contribute to an increase in health effects in the basin until the attainment standards are met in the SoCAB.

[8] In April 2019, the Sacramento Metropolitan Air Quality Management District (SMAQMD) published an Interim Recommendation on implementing Sierra Club v. County of Fresno (2018) 6 Cal.5th 502 ("Friant Ranch") in the review and analysis of proposed projects under CEQA in Sacramento County. Consistent with the expert opinions submitted to the court in Friant Ranch by the San Joaquin Valley Air Pollution Control District (SJVAPCD) and South Coast AQMD, the SMAQMD guidance confirms the absence of an acceptable or reliable quantitative methodology that would correlate the expected criteria air pollutant emissions of projects to likely health consequences for people from project-generated criteria air pollutant emissions. The SMAQMD guidance explains that while it is in the process of developing a methodology to assess these impacts, lead agencies should follow the Friant Court's advice to explain in meaningful detail why this analysis is not yet feasible. Since this interim memorandum SMAQMD has provided methodology to address health impacts. However, a similar analysis is not available for projects within the South Coast AQMD region.

CO HOTSPOTS

Areas of vehicle congestion have the potential to create pockets of CO called hot spots. These pockets have the potential to exceed the state one-hour standard of 20 ppm or the eight-hour standard of 9 ppm. Because CO is produced in greatest quantities from vehicle combustion and does not readily disperse into the atmosphere, adherence to ambient air quality standards is typically demonstrated through an analysis of localized CO concentrations. Hot spots are typically produced at intersections, where traffic congestion is highest because vehicles queue for longer periods and are subject to reduced speeds. With the turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities, CO concentrations in the SoCAB and in the state have steadily declined.

In 2007, the SoCAB was designated in attainment for CO under both the California AAQS and National AAQS. The CO hotspot analysis conducted for the attainment by the South Coast AQMD for busiest intersections in Los Angeles during the peak morning and afternoon periods plan did not predict a violation of CO standards.[9] As identified in the South Coast AQMD's 2003 AQMP and the 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan), peak carbon monoxide concentrations in the SoCAB in previous years, prior to redesignation, were a result of unusual meteorological and topographical conditions and not a result of congestion at a particular intersection. Under existing and future vehicle emission rates, a project would have to increase traffic volumes at a single intersection to more than 44,000 vehicles per hour—or 24,000 vehicles per hour where vertical and/or horizontal air does not mix—in order to generate a significant CO impact (BAAQMD 2017).

LOCALIZED SIGNIFICANCE THRESHOLDS

The South Coast AQMD developed LSTs for emissions of NO_2, CO, PM_{10}, and $PM_{2.5}$ generated at the project site (offsite mobile-source emissions are not included in the LST analysis). LSTs represent the maximum emissions at a project site that are not expected to cause or contribute to an exceedance of the most stringent federal or state AAQS and are shown in Table 5, *South Coast AQMD Localized Significance Thresholds*.

Table 5 South Coast AQMD Localized Significance Thresholds

Air Pollutant (Relevant AAQS)	Concentration
1-Hour CO Standard (CAAQS)	20 ppm
8-Hour CO Standard (CAAQS)	9.0 ppm
1-Hour NO_2 Standard (CAAQS)	0.18 ppm
Annual NO_2 Standard (CAAQS)	0.03 ppm
24-Hour PM_{10} Standard – Construction (South Coast AQMD)[1]	10.4 µg/m^3
24-Hour $PM_{2.5}$ Standard – Construction (South Coast AQMD)[1]	10.4 µg/m^3
24-Hour PM_{10} Standard – Operation (South Coast AQMD)[1]	2.5 µg/m^3

[9] The four intersections were: Long Beach Boulevard and Imperial Highway; Wilshire Boulevard and Veteran Avenue; Sunset Boulevard and Highland Avenue; and La Cienega Boulevard and Century Boulevard. The busiest intersection evaluated (Wilshire and Veteran) had a daily traffic volume of approximately 100,000 vehicles per day with LOS E in the morning peak hour and LOS F in the evening peak hour.

24-Hour $PM_{2.5}$ Standard – Operation (South Coast AQMD)[1]	2.5 µg/m^3

Source: South Coast AQMD 2023.
ppm – parts per million; µg/m^3 – micrograms per cubic meter
[1] Threshold is based on South Coast AQMD Rule 403. Since the SoCAB is in nonattainment for PM_{10} and $PM_{2.5}$, the threshold is established as an allowable change in concentration. Therefore, background concentration is irrelevant.

To assist lead agencies, South Coast AQMD developed screening-level LSTs to back-calculate the mass amount (lbs. per day) of emissions generated onsite that would trigger the levels shown in Table 5 for projects under 5-acres. These "screening-level" LSTs tables are the localized significance thresholds for all projects of five acres and less; however, it can be used as screening criteria for larger projects to determine whether or not dispersion modeling may be required to compare concentrations of air pollutants generated by the project to the localized concentrations shown in Table 5.

In accordance with South Coast AQMD's LST methodology, the screening-level construction LSTs are based on the acreage disturbed per day based on equipment use. The screening-level construction LSTs for the project site in SRA 1 are shown in Table 6, *South Coast AQMD Screening-Level Localized Significance Thresholds,* for sensitive receptors within 82 feet (25 meters) of the project site.

Table 6 South Coast AQMD Screening-Level Localized Significance Thresholds

	Threshold (lbs/day)[1]			
Acreage Disturbed	Nitrogen Oxides (NO_X)	Carbon Monoxide (CO)	Coarse Particulates (PM_{10})	Fine Particulates ($PM_{2.5}$)
≤1.00 Acre Disturbed Per Day	74	680	5.00	3.00
1.31 Acres Disturbed Per Day	85	795	5.93	3.62
2.50 Acres Disturbed Per Day	117	1,183	9.33	5.50
3.50 Acres Disturbed Per Day	135	1,454	11.99	6.50

Source: South Coast AQMD 2008 and 2011.
[1] LSTs are based on sensitive receptors within 82 feet (25 meters) of the project site in Source Receptor Area (SRA) 1.

HEALTH RISK

Whenever a project would require use of chemical compounds that have been identified in South Coast AQMD Rule 1401, placed on CARB's air toxics list pursuant to AB 1807, or placed on the EPA's National Emissions Standards for Hazardous Air Pollutants, a health risk assessment is required by the South Coast AQMD. Table 7, *South Coast AQMD Toxic Air Contaminants Incremental Risk Thresholds*, lists the TAC incremental risk thresholds for operation of a project. The type of land uses that typically generate substantial quantities of criteria air pollutants and TACs from operations include industrial (stationary sources) and warehousing (truck idling) land uses (CARB 2005). School uses do not use substantial quantities of TACs, thus these thresholds are typically applied to new industrial projects only. Additionally, the purpose of this environmental evaluation is to identify the significant effects of the proposed project on the environment, not the significant effects of the environment on the proposed project (*California Building Industry Association v. Bay Area Air Quality Management District* (2015) 62 Cal.4th 369 (Case No. S213478)).

Table 7 South Coast AQMD Toxic Air Contaminants Incremental Risk Thresholds

Maximum Incremental Cancer Risk	≥ 10 in 1 million
Hazard Index (project increment)	≥ 1.0
Cancer Burden in areas ≥ 1 in 1 million	> 0.5 excess cancer cases

Source: South Coast AQMD 2023.

GREENHOUSE GAS EMISSIONS

Scientists have concluded that human activities are contributing to global climate change by adding large amounts of heat-trapping gases, known as GHG, to the atmosphere. Climate change is the variation of Earth's climate over time, whether due to natural variability or as a result of human activities. The primary source of these GHG is fossil fuel use. The Intergovernmental Panel on Climate Change (IPCC) has identified four major GHG—water vapor,[10] carbon (CO_2), methane (CH_4), and ozone (O_3)—that are the likely cause of an increase in global average temperatures observed within the 20th and 21st centuries. Other GHG identified by the IPCC that contribute to global warming to a lesser extent include nitrous oxide (N_2O), sulfur hexafluoride (SF_6), hydrofluorocarbons, perfluorocarbons, and chlorofluorocarbons (IPCC 2001).[11] The major GHG are briefly described below.

- **Carbon dioxide (CO_2)** enters the atmosphere through the burning of fossil fuels (oil, natural gas, and coal), solid waste, trees and wood products, and respiration, and also as a result of other chemical reactions (e.g. manufacture of cement). Carbon dioxide is removed from the atmosphere (sequestered) when it is absorbed by plants as part of the biological carbon cycle.

- **Methane (CH_4)** is emitted during the production and transport of coal, natural gas, and oil. Methane emissions also result from livestock and other agricultural practices and from the decay of organic waste in municipal landfills and water treatment facilities.

- **Nitrous oxide (N_2O)** is emitted during agricultural and industrial activities as well as during combustion of fossil fuels and solid waste.

- **Fluorinated gases** are synthetic, strong GHGs that are emitted from a variety of industrial processes. Fluorinated gases are sometimes used as substitutes for ozone-depleting substances. These gases are

[10] Water vapor (H_2O) is the strongest GHG and the most variable in its phases (vapor, cloud droplets, ice crystals). However, water vapor is not considered a pollutant, but part of the feedback loop rather than a primary cause of change.

[11] Black carbon contributes to climate change both directly, by absorbing sunlight, and indirectly, by depositing on snow (making it melt faster) and by interacting with clouds and affecting cloud formation. Black carbon is the most strongly light-absorbing component of particulate matter (PM) emitted from burning fuels such as coal, diesel, and biomass. Reducing black carbon emissions globally can have immediate economic, climate, and public health benefits. California has been an international leader in reducing emissions of black carbon, with close to 95 percent control expected by 2020 due to existing programs that target reducing PM from diesel engines and burning activities (CARB 2017a). However, state and national GHG inventories do not yet include black carbon due to ongoing work resolving the precise global warming potential of black carbon. Guidance for CEQA documents does not yet include black carbon.

typically emitted in smaller quantities, but because they are potent GHGs, they are sometimes referred to as high global-warming-potential (GWP) gases.

- ***Chlorofluorocarbons (CFCs***) are GHGs covered under the 1987 Montreal Protocol and used for refrigeration, air conditioning, packaging, insulation, solvents, or aerosol propellants. Since they are not destroyed in the lower atmosphere (troposphere, stratosphere), CFCs drift into the upper atmosphere where, given suitable conditions, they break down ozone. These gases are also ozone-depleting gases and are therefore being replaced by other compounds that are GHGs covered under the Kyoto Protocol.

- ***Perfluorocarbons (PFCs)*** are a group of human-made chemicals composed of carbon and fluorine only. These chemicals (predominantly perfluoromethane [CF_4] and perfluoroethane [C_2F_6]) were introduced as alternatives, along with HFCs, to the ozone-depleting substances. In addition, PFCs are emitted as by-products of industrial processes and are used in manufacturing. PFCs do not harm the stratospheric ozone layer, but they have a high global warming potential.

- ***Sulfur Hexafluoride (SF_6)*** is a colorless gas soluble in alcohol and ether, slightly soluble in water. SF_6 is a strong GHG used primarily in electrical transmission and distribution systems as an insulator.

- ***Hydrochlorofluorocarbons (HCFCs)*** contain hydrogen, fluorine, chlorine, and carbon atoms. Although ozone-depleting substances, they are less potent at destroying stratospheric ozone than CFCs. They have been introduced as temporary replacements for CFCs and are also GHGs.

- ***Hydrofluorocarbons (HFCs)*** contain only hydrogen, fluorine, and carbon atoms. They were introduced as alternatives to ozone-depleting substances to serve many industrial, commercial, and personal needs. HFCs are emitted as by-products of industrial processes and are also used in manufacturing. They do not significantly deplete the stratospheric ozone layer, but they are strong GHGs (IPCC 2001; USEPA 2022).

GHGs are dependent on the lifetime or persistence of the gas molecule in the atmosphere. Some GHGs have stronger greenhouse effects than others. These are referred to as high GWP gases. The GWP of GHG emissions are shown in Table 8, *GHG Emissions and Their Relative Global Warming Potential Compared to CO_2*. The GWP is used to convert GHGs to CO_2-equivalence (CO_2e) to show the relative potential that different GHGs have to retain infrared radiation in the atmosphere and contribute to the greenhouse effect. For example, under IPCC's Fourth Assessment Report (AR4) GWP values for CH_4, a project that generates 10 MT of CH_4 would be equivalent to 250 MT of CO_2.[12]

[12] The global warming potential of a GHG is dependent on the lifetime, or persistence, of the gas molecule in the atmosphere.

Table 8 GHG Emissions and Their Relative Global Warming Potential Compared to CO_2

GHGs	Second Assessment Report (SAR) Global Warming Potential Relative to CO_2[1]	Fourth Assessment Report (AR4) Global Warming Potential Relative to CO_2[1]	Fifth Assessment Report (AR5) Global Warming Potential Relative to CO_2[1]
Carbon Dioxide (CO_2)	1	1	1
Methane[2] (CH_4)	21	25	28
Nitrous Oxide (N_2O)	310	298	265

Source: IPCC 1995, 2007, 2013.

Notes: The IPCC published updated GWP values in its Fifth Assessment Report (AR5) that reflect new information on atmospheric lifetimes of GHGs and an improved calculation of the radiative forcing of CO_2. However, GWP values identified in AR4 are used by South Coast AQMD to maintain consistency in statewide GHG emissions modeling. In addition, the 2017 Scoping Plan Update was based on the GWP values in AR4.

1 Based on 100-year time horizon of the GWP of the air pollutant compared to CO_2.

2 The methane GWP includes direct effects and indirect effects due to the production of tropospheric ozone and stratospheric water vapor. The indirect effect due to the production of CO_2 is not included.

GHG Regulatory Setting

REGULATION OF GHG EMISSIONS ON A NATIONAL LEVEL

The US Environmental Protection Agency (EPA) announced on December 7, 2009, that GHG emissions threaten the public health and welfare of the American people and that GHG emissions from on-road vehicles contribute to that threat. The EPA's final findings respond to the 2007 U.S. Supreme Court decision that GHG emissions fit within the Clean Air Act definition of air pollutants. The findings do not in and of themselves impose any emission reduction requirements but allow the EPA to finalize the GHG standards proposed in 2009 for new light-duty vehicles as part of the joint rulemaking with the Department of Transportation (USEPA 2009).

To regulate GHGs from passenger vehicles, EPA was required to issue an endangerment finding. The finding identifies emissions of six key GHGs—CO_2, CH_4, N_2O, hydrofluorocarbons, perfluorocarbons, and SF_6—that have been the subject of scrutiny and intense analysis for decades by scientists in the United States and around the world. The first three are applicable to the project's GHG emissions inventory because they constitute the majority of GHG emissions and, per South Coast AQMD guidance, are the GHG emissions that should be evaluated as part of a project's GHG emissions inventory.

US Mandatory Report Rule for GHGs (2009)

In response to the endangerment finding, the EPA issued the Mandatory Reporting of GHG Rule that requires substantial emitters of GHG emissions (large stationary sources, etc.) to report GHG emissions data. Facilities that emit 25,000 MT or more of CO_2 per year are required to submit an annual report.

Update to Corporate Average Fuel Economy Standards (2021 to 2026)

The federal government issued new Corporate Average Fuel Economy (CAFE) standards in 2012 for model years 2017 to 2025, which required a fleet average of 54.5 miles per gallon in 2025. On March 30, 2020, the EPA finalized an updated CAFE and GHG emissions standards for passenger cars and light trucks and established new standards covering model years 2021 through 2026, known as the Safer Affordable Fuel Efficient (SAFE) Vehicles Final Rule for Model Years 2021 to 2026. Under SAFE, the fuel economy

standards will increase 1.5 percent per year compared to the 5 percent per year under the CAFE standards established in 2012. Overall, SAFE requires a fleet average of 40.4 MPG for model year 2026 vehicles (85 Federal Register 24174 (April 30, 2020)).

On December 21, 2021, under direction of Executive Order (EO) 13990 issued by President Biden, the National Highway Traffic Safety Administration repealed Safer Affordable Fuel Efficient Vehicles Rule Part One, which had preempted state and local laws related to fuel economy standards. In addition, on March 31, 2022, the National Highway Traffic Safety Administration finalized new fuel standards in response to EO 13990. Fuel efficiency under the standards proposed will increase 8 percent annually for model years 2024 to 2025 and 10 percent annual for model year 2026. Overall, the new CAFE standards require a fleet average of 49 MPG for passenger vehicles and light trucks for model year 2026, which would be a 10 MPG increase relative to model year 2021 (NHTSA 2022).

EPA Regulation of Stationary Sources under the Clean Air Act (Ongoing)

Pursuant to its authority under the Clean Air Act, the EPA has developed regulations for new, large, stationary sources of emissions, such as power plants and refineries. Under former President Obama's 2013 Climate Action Plan, the EPA was directed to develop regulations for existing stationary sources as well. On June 19, 2019, the EPA issued the final Affordable Clean Energy (ACE) rule, which became effective on August 19, 2019. The ACE rule was crafted under the direction of President Trump's Energy Independence EO. It officially rescinded the Clean Power Plan rule issued during the Obama Administration and set emissions guidelines for states in developing plans to limit CO_2 emissions from coal-fired power plants. The Affordable Clean Energy rule was vacated by the United States Court of Appeals for the District of Columbia Circuit on January 19, 2021. The Biden Administration is assessing options on potential future regulations.

REGULATION OF GHG EMISSIONS ON A STATE LEVEL

Current State of California guidance and goals for reductions in GHG emissions are generally embodied in EO S-03-05 and EO B-30-15, EO B-55-18, Assembly Bill 32 (AB 32), Senate Bill 32 (SB 32), and SB 375.

Executive Order S-3-05

Executive Order S-3-05, signed June 1, 2005. Executive Order S-3-05 set the following GHG reduction targets for the State:

- 2000 levels by 2010
- 1990 levels by 2020
- 80 percent below 1990 levels by 2050

Assembly Bill 32, the Global Warming Solutions Act (2006)

AB 32 was passed by the California state legislature on August 31, 2006, to place the state on a course toward reducing its contribution of GHG emissions. AB 32 follows the 2020 tier of emissions reduction targets

established in EO S-03-05. CARB prepared the 2008 Scoping Plan to outline a plan to achieve the GHG emissions reduction targets of AB 32.

Executive Order B-30-15

EO B-30-15, signed April 29, 2015, set a goal of reducing GHG emissions within the state to 40 percent of 1990 levels by year 2030. EO B-30-15 also directed CARB to update the Scoping Plan to quantify the 2030 GHG reduction goal for the state and requires state agencies to implement measures to meet the interim 2030 goal as well as the long-term goal for 2050 in EO S-03-05. It also requires the Natural Resources Agency to conduct triennial updates of the California adaption strategy, "Safeguarding California", in order to ensure climate change is accounted for in state planning and investment decisions.

Senate Bill 32 and Assembly Bill 197

In September 2016, Governor Brown signed SB 32 and AB 197 into law, making the Executive Order goal for year 2030 into a statewide mandated legislative target. AB 197 established a joint legislative committee on climate change policies and requires the CARB to prioritize direction emissions reductions rather than the market-based cap-and-trade program for large stationary, mobile, and other sources.

Executive Order B-55-18

Executive Order B-55-18, signed September 10, 2018, set a goal "to achieve carbon neutrality as soon as possible, and no later than 2045, and achieve and maintain net negative emissions thereafter." Executive Order B-55-18 directs CARB to work with relevant state agencies to ensure that future Scoping Plans identify and recommend measures to achieve the carbon neutrality goal. The goal of carbon neutrality by 2045 is in addition to other statewide goals, meaning that not only should emissions be reduced to 80 percent below 1990 levels by 2050, but that, by no later than 2045, the remaining emissions should be offset by equivalent net removals of CO_2e from the atmosphere, including through sequestration in forests, soils, and other natural landscapes.

Assembly Bill 1279

AB 1279, signed by Governor Newsom in September 2022, codified the carbon neutrality targets of EO B-55-18 for year 2045 and sets a new legislative target for year 2045 of 85 percent below 1990 levels for anthropogenic GHG emissions. SB 1279 also requires CARB to update the Scoping Plan to address these new targets.

2022 Climate Change Scoping Plan

CARB adopted the *2022 Scoping Plan for Achieving Carbon Neutrality* (2022 Scoping Plan) on December 15, 2022, which lays out a path to achieve carbon neutrality by 2045 or earlier and to reduce the State's anthropogenic GHG emissions (CARB 2022). The Scoping Plan provides updates to the previously adopted 2017 Scoping Plan and addresses the carbon neutrality goals of EO B-55-18 (discussed below) and the ambitious GHG reduction target as directed by AB 1279. Previous Scoping Plans focused on specific GHG reduction targets for our industrial, energy, and transportation sectors—to meet 1990 levels by 2020, and then the more aggressive 40 percent below that for the 2030 target. The 2022 Scoping Plan updates the target of reducing anthropogenic emissions to 85 percent below 1990 levels by 2045. Carbon neutrality takes it one

step further by expanding actions to capture and store carbon including through natural and working lands and mechanical technologies, while drastically reducing anthropogenic sources of carbon pollution at the same time.

The path forward was informed by the recent Sixth Assessment Report (AR6) of the IPCC and the measures would achieve 85 percent below 1990 levels by 2045 in accordance AB 1279. CARB's 2022 Scoping Plan identifies strategies as shown in Table 11, *Priority Strategies for Local Government Climate Action Plans*, that would be most impactful at the local level for ensuring substantial process towards the State's carbon neutrality goals.

Table 11 Priority Strategies for Local Government Climate Action Plans

Priority Area	Priority Strategies
Transportation Electrification	Convert local government fleets to zero-emission vehicles (ZEV) and provide EV charging at public sites.
	Create a jurisdiction-specific ZEV ecosystem to support deployment of ZEVs statewide (such as building standards that exceed state building codes, permit streamlining, infrastructure siting, consumer education, preferential parking policies, and ZEV readiness plans).
VMT Reduction	Reduce or eliminate minimum parking standards.
	Implement Complete Streets policies and investments, consistent with general plan circulation element requirements.
	Increase access to public transit by increasing density of development near transit, improving transit service by increasing service frequency, creating bus priority lanes, reducing or eliminating fares, microtransit, etc.
	Increase public access to clean mobility options by planning for and investing in electric shuttles, bike share, car share, and walking
	Implement parking pricing or transportation demand management pricing strategies.
	Amend zoning or development codes to enable mixed-use, walkable, transit-oriented, and compact infill development (such as increasing allowable density of the neighborhood).
	Preserve natural and working lands by implementing land use policies that guide development toward infill areas and do not convert "greenfield" land to urban uses (e.g., green belts, strategic conservation easements)
Building Decarbonization	Adopt all-electric new construction reach codes for residential and commercial uses.
	Adopt policies and incentive programs to implement energy efficiency retrofits for existing buildings, such as weatherization, lighting upgrades, and replacing energy-intensive appliances and equipment with more efficient systems (such as Energy Star-rated equipment and equipment controllers).
	Adopt policies and incentive programs to electrify all appliances and equipment in existing buildings such as appliance rebates, existing building reach codes, or time of sale electrification ordinances.
	Facilitate deployment of renewable energy production and distribution and energy storage on privately owned land uses (e.g., permit streamlining, information sharing) .
	Deploy renewable energy production and energy storage directly in new public projects and on existing public facilities (e.g., solar photovoltaic systems on rooftops of municipal buildings and on canopies in public parking lots, battery storage systems in municipal buildings) .

Source: CARB 2022

Based on Appendix D of the 2022 CARB Climate Change Scoping Plan, for residential and mixed-use development projects, CARB recommends first demonstrating that these land use development projects are aligned with State climate goals based on the attributes of land use development that reduce operational

GHG emissions while simultaneously advancing fair housing. Attributes that accommodate growth in a manner consistent with the GHG and equity goals of SB 32 have all the following attributes:

- Transportation Electrification
  - Provide EV charging infrastructure that, at a minimum, meets the most ambitious voluntary standards in the California Green Building Standards Code at the time of project approval.

- VMT Reduction
  - Is located on infill sites that are surrounded by existing urban uses and reuses or redevelops previously undeveloped or underutilized land that is presently served by existing utilities and essential public services (e.g., transit, streets, water, sewer).
  - Does not result in the loss or conversion of the State's natural and working lands;
  - Consists of transit-supportive densities (minimum of 20 residential dwelling units/acre), or is in proximity to existing transit stops (within a half mile), or satisfies more detailed and stringent criteria specified in the region's Sustainable Communities Strategy (SCS);
  - Reduces parking requirements by:
    - Eliminating parking requirements or including maximum allowable parking ratios (i.e., the ratio of parking spaces to residential units or square feet); or
    - Providing residential parking supply at a ratio of <1 parking space per dwelling unit; or
    - For multifamily residential development, requiring parking costs to be unbundled from costs to rent or own a residential unit.
  - At least 20 percent of the units are affordable to lower-income residents;
  - Result in no net loss of existing affordable units.

- Building Decarbonization
  - Use all electric appliances without any natural gas connections and does not use propane or other fossil fuels for space heating, water heating, or indoor cooking (CARB 2022).

If the first approach to demonstrating consistency is not applicable (such as in the case of this school modernization project), the second approach to project-level alignment with state climate goals is to achieve net zero GHG emissions. The third approach to demonstrating project-level alignment with state climate goals is to align with GHG thresholds of significance, which many local air quality management (AQMDs) and air pollution control districts (APCDs) have developed or adopted (CARB 2022).

Senate Bill 375

In 2008, SB 375, the Sustainable Communities and Climate Protection Act, was adopted to connect the GHG emissions reductions targets established in the 2008 Scoping Plan for the transportation sector to local land

use decisions that affect travel behavior. Its intent is to reduce GHG emissions from light-duty trucks and automobiles (excludes emissions associated with goods movement) by aligning regional long-range transportation plans, investments, and housing allocations to local land use planning to reduce VMT and vehicle trips. Specifically, SB 375 required CARB to establish GHG emissions reduction targets for each of the 18 metropolitan planning organizations (MPO). The Southern California Association of Governments (SCAG) is the MPO for the Southern California region, which includes the counties of Los Angeles, Orange, San Bernardino, Riverside, Ventura, and Imperial.

Pursuant to the recommendations of the Regional Transportation Advisory Committee, CARB adopted per capita reduction targets for each of the MPOs rather than a total magnitude reduction target. SCAG's targets are an 8 percent per capita reduction from 2005 GHG emission levels by 2020 and a 13 percent per capita reduction from 2005 GHG emission levels by 2035 (CARB 2010). The 2020 targets are smaller than the 2035 targets because a significant portion of the built environment in 2020 is defined by decisions that have already been made. In general, the 2020 scenarios reflect that more time is needed for large land use and transportation infrastructure changes. Most of the reductions in the interim are anticipated to come from improving the efficiency of the region's transportation network. The targets would result in 3 $MMTCO_2e$ of reductions by 2020 and 15 $MMTCO_2e$ of reductions by 2035. Based on these reductions, the passenger vehicle target in CARB's Scoping Plan (for AB 32) would be met (CARB 2010).

2017 Update to the SB 375 Targets

CARB is required to update the targets for the MPOs every eight years. CARB adopted revised SB 375 targets for the MPOs in March 2018. The updated targets became effective in October2018. All SCSs adopted after October 1, 2018, are subject to these new targets. CARB's updated SB 375 targets for the SCAG region were an 8 percent per capita GHG reduction in 2020 from 2005 levels (unchanged from the 2010 target) and a 19 percent per capita GHG reduction in 2035 from 2005 levels (compared to the 2010 target of 13 percent) (CARB 2018).

The targets consider the need to further reduce VMT, as identified in the 2017 Scoping Plan Update (for SB 32), while balancing the need for additional and more flexible revenue sources to incentivize positive planning and action toward sustainable communities. Like the 2010 targets, the updated SB 375 targets are in units of "percent per capita" reductions in GHG emissions from automobiles and light trucks relative to 2005; this excludes reductions anticipated from implementation of state technology and fuels strategies and any potential future state strategies, such as statewide road user pricing. The proposed targets call for greater per-capita GHG emission reductions from SB 375 than are currently in place, which for 2035 translate into proposed targets that either match or exceed the emission reduction levels in the MPOs' currently adopted SCSs to achieve the SB 375 targets. CARB foresees that the additional GHG emissions reductions in 2035 may be achieved from land use changes, transportation investment, and technology strategies (CARB 2018).

SCAG's Regional Transportation Plan / Sustainable Communities Strategy

SB 375 requires each MPO to prepare a sustainable communities strategy in its regional transportation plan. For the SCAG region, the 2020-2045 RTP/SCS (Connect SoCal) was adopted on September 3, 2020, and is an update to the 2016-2040 RTP/SCS. In general, the SCS outlines a development pattern for the region that,

when integrated with the transportation network and other transportation measures and policies, would reduce vehicle miles traveled from automobiles and light duty trucks and thereby reduce GHG emissions from these sources.

Connect SoCal focuses on the continued efforts of the previous RTP/SCSs to integrate transportation and land use strategies in development of the SCAG region through horizon year 2045 (SCAG 2020). Connect SoCal forecasts that the SCAG region will meet its GHG per capita reduction targets of 8 percent by 2020 and 19 percent by 2035. Additionally, Connect SoCal also forecasts that implementation of the plan will reduce VMT per capita in year 2045 by 4.1 percent compared to baseline conditions for that year. Connect SoCal includes a "Core Vision" that centers on maintaining and better managing the transportation network for moving people and goods while expanding mobility choices by locating housing, jobs, and transit closer together and increasing investments in transit and complete streets (SCAG 2020).

Transportation Sector Specific Regulations

Assembly Bill 1493

California vehicle GHG emission standards were enacted under AB 1493 (Pavley I). Pavley I is a clean-car standard that reduces GHG emissions from new passenger vehicles (light-duty auto to medium-duty vehicles) from 2009 through 2016 and is anticipated to reduce GHG emissions from new passenger vehicles by 30 percent in 2016. California implements the Pavley I standards through a waiver granted to California by the EPA. In 2012, the EPA issued a Final Rulemaking that sets even more stringent fuel economy and GHG emissions standards for model years 2017 through 2025 light-duty vehicles. (See also the discussion on the update to the Corporate Average Fuel Economy standards at the beginning of this Section 5.5.2 under "Federal.") In January 2012, CARB approved the Advanced Clean Cars program (formerly known as Pavley II) for model years 2017 through 2025. The program combines the control of smog, soot, and GHGs with requirements for greater numbers of ZE vehicles into a single package of standards. Under California's Advanced Clean Car program, by 2025 new automobiles will emit 34 percent less GHG emissions and 75 percent less smog-forming emissions.

Executive Order S-01-07

On January 18, 2007, the state set a new LCFS for transportation fuels sold in the state. Executive Order S-01-07 sets a declining standard for GHG emissions measured in CO_2e gram per unit of fuel energy sold in California. The LCFS required a reduction of 2.5 percent in the carbon intensity of California's transportation fuels by 2015 and a reduction of at least 10 percent by 2020. The standard applies to refiners, blenders, producers, and importers of transportation fuels, and uses market-based mechanisms to allow these providers to choose how they reduce emissions during the "fuel cycle" using the most economically feasible methods.

Executive Order B-16-2012

On March 23, 2012, the state identified that CARB, the California Energy Commission (CEC), the Public Utilities Commission, and other relevant agencies worked with the Plug-in Electric Vehicle Collaborative and the California Fuel Cell Partnership to establish benchmarks to accommodate ZE vehicles in major

metropolitan areas, including infrastructure to support them (e.g., electric vehicle charging stations). The executive order also directed the number of ZE vehicles in California's state vehicle fleet to increase through the normal course of fleet replacement so that at least 10 percent of fleet purchases of light-duty vehicles are ZE by 2015 and at least 25 percent by 2020. The executive order also establishes a target for the transportation sector of reducing GHG emissions to 80 percent below 1990 levels.

Executive Order N-79-20

On September 23, 2020, Governor Newsom signed Executive Order N-79-20, whose goal is that 100 percent of in-state sales of new passenger cars and trucks will be ZE by 2035. Additionally, the fleet goals for trucks are that 100 percent of drayage trucks are ZE by 2035, and 100 percent of medium- and heavy-duty vehicles in the state are ZE by 2045, where feasible. The Executive Order's goal for the State is to transition to 100 percent ZE off-road vehicles and equipment by 2035, where feasible.

Renewables Portfolio: Carbon Neutrality Regulations

Senate Bills 1078, 107, and X1-2 and Executive Order S-14-08

A major component of California's Renewable Energy Program is the renewables portfolio standard established under Senate Bills 1078 (Sher) and 107 (Simitian). Under the RPS, certain retail sellers of electricity were required to increase the amount of renewable energy each year by at least 1 percent in order to reach at least 20 percent by December 30, 2010. Executive Order S-14-08, signed in November 2008, expanded the state's renewable energy standard to 33 percent renewable power by 2020. This standard was adopted by the legislature in 2011 (SB X1-2). Renewable sources of electricity include wind, small hydropower, solar, geothermal, biomass, and biogas. The increase in renewable sources for electricity production will decrease indirect GHG emissions from development projects because electricity production from renewable sources is generally considered carbon neutral.

Senate Bill 350

Senate Bill 350 (de Leon) was signed into law September 2015 and establishes tiered increases to the RPS—40 percent by 2024, 45 percent by 2027, and 50 percent by 2030. SB 350 also set a new goal to double the energy-efficiency savings in electricity and natural gas through energy efficiency and conservation measures.

Senate Bill 100

On September 10, 2018, Governor Brown signed SB 100. Under SB 100, the RPS for public-owned facilities and retail sellers consist of 44 percent renewable energy by 2024, 52 percent by 2027, and 60 percent by 2030. SB 100 also established a new RPS requirement of 50 percent by 2026. Furthermore, the bill establishes an overall state policy that eligible renewable energy resources and zero-carbon resources supply 100 percent of all retail sales of electricity to California end-use customers and 100 percent of electricity procured to serve all state agencies by December 31, 2045. Under the bill, the state cannot increase carbon emissions elsewhere in the western grid or allow resource shuffling to achieve the 100 percent carbon-free electricity target.

Senate Bill 1020

Senate Bill 1020 was signed into law on September 16, 2022. It requires renewable energy and zero-carbon resources to supply 90 percent of all retail electricity sales by 2035 and 95 percent by 2040. Additionally, SB 1020 requires all state agencies to procure 100 percent of electricity from renewable energy and zero-carbon resources by 2035.

Energy Efficiency Regulations

California Building Code: Building Energy Efficiency Standards

Energy conservation standards for new residential and nonresidential buildings were adopted by the California Energy Resources Conservation and Development Commission (now the CEC) in June 1977 (Title 24, Part 6, of the California Code of Regulations [CCR]). Title 24 requires the design of building shells and building components to conserve energy. The standards are updated periodically to allow for consideration and possible incorporation of new energy efficiency technologies and methods.

On August 11, 2021, the CEC adopted the 2022 Building Energy Efficiency Standards, which were subsequently approved by the California Building Standards Commission in December 2021. The 2022 standards went into effect on January 1, 2023, replacing the existing 2019 standards. The 2022 standards would require mixed-fuel single-family homes to be electric-ready to accommodate replacement of gas appliances with electric appliances. In addition, the new standards also include prescriptive photovoltaic system and battery requirements for high-rise, multifamily buildings (i.e., more than three stories) and noncommercial buildings such as hotels, offices, medical offices, restaurants, retail stores, schools, warehouses, theaters, and convention centers (CEC 2021).

California Building Code: CALGreen

On July 17, 2008, the California Building Standards Commission adopted the nation's first green building standards. The California Green Building Standards Code (24 CCR, Part 11, known as "CALGreen") was adopted as part of the California Building Standards Code. CALGreen established planning and design standards for sustainable site development, energy efficiency (in excess of the California Energy Code requirements), water conservation, material conservation, and internal air contaminants.[13] The mandatory provisions of CALGreen became effective January 1, 2011. In 2021, the CEC approved the 2022 CALGreen, which went into effect on January 1, 2023, replacing the existing 2019 standards.

2006 Appliance Efficiency Regulations

The 2006 Appliance Efficiency Regulations (20 CCR §§ 1601–1608) were adopted by the CEC on October 11, 2006, and approved by the California Office of Administrative Law on December 14, 2006. The regulations include standards for both federally regulated appliances and non–federally regulated appliances.

[13] The green building standards became mandatory in the 2010 edition of the code.

Though these regulations are now often viewed as "business as usual," they exceed the standards imposed by all other states, and they reduce GHG emissions by reducing energy demand.

Solid Waste Diversion Regulations

AB 939: Integrated Waste Management Act of 1989

California's Integrated Waste Management Act of 1989 (AB 939, Public Resources Code §§ 40050 et seq.) set a requirement for cities and counties throughout the state to divert 50 percent of all solid waste from landfills by January 1, 2000, through source reduction, recycling, and composting. In 2008, the requirements were modified to reflect a per capita requirement rather than tonnage. To help achieve this, the act requires that each city and county prepare and submit a source reduction and recycling element. AB 939 also established the goal for all California counties to provide at least 15 years of ongoing landfill capacity.

AB 341

AB 341 (Chapter 476, Statutes of 2011) increased the statewide goal for waste diversion to 75 percent by 2020 and requires recycling of waste from commercial and multifamily residential land uses. Section 5.408 of CALGreen also requires that at least 65 percent of the nonhazardous construction and demolition waste from nonresidential construction operations be recycled and/or salvaged for reuse.

AB 1327

The California Solid Waste Reuse and Recycling Access Act (AB 1327, Public Resources Code §§ 42900 et seq.) requires areas to be set aside for collecting and loading recyclable materials in development projects. The act required the California Integrated Waste Management Board to develop a model ordinance for adoption by any local agency requiring adequate areas for collection and loading of recyclable materials as part of development projects. Local agencies are required to adopt the model or an ordinance of their own.

AB 1826

In October of 2014, Governor Brown signed AB 1826 requiring businesses to recycle their organic waste on and after April 1, 2016, depending on the amount of waste they generate per week. This law also requires that on and after January 1, 2016, local jurisdictions across the state implement an organic waste recycling program to divert organic waste generated by businesses and multifamily residential dwellings with five or more units. Organic waste means food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed with food waste.

Water Efficiency Regulations

SBX7-7

The 20x2020 Water Conservation Plan was issued by the Department of Water Resources (DWR) in 2010 pursuant to Senate Bill 7, which was adopted during the 7th Extraordinary Session of 2009–2010 and therefore dubbed "SBX7-7." SBX7-7 mandated urban water conservation and authorized the DWR to prepare a plan implementing urban water conservation requirements (20x2020 Water Conservation Plan). In addition, it required agricultural water providers to prepare agricultural water management plans, measure

water deliveries to customers, and implement other efficiency measures. SBX7-7 required urban water providers to adopt a water conservation target of 20 percent reduction in urban per capita water use by 2020 compared to 2005 baseline use.

AB 1881: Water Conservation in Landscaping Act

The Water Conservation in Landscaping Act of 2006 (AB 1881) requires local agencies to adopt the updated DWR model ordinance or an equivalent. AB 1881 also requires the CEC to consult with the DWR to adopt, by regulation, performance standards and labeling requirements for landscape irrigation equipment, including irrigation controllers, moisture sensors, emission devices, and valves to reduce the wasteful, uneconomic, inefficient, or unnecessary consumption of energy or water.

Short-Lived Climate Pollutant Reduction Strategy

Senate Bill 1383

On September 19, 2016, the Governor signed SB 1383 to supplement the GHG reduction strategies in the Scoping Plan to consider short-lived climate pollutants, including black carbon and CH_4. Black carbon is the light-absorbing component of fine particulate matter produced during the incomplete combustion of fuels. SB 1383 required the state board, no later than January 1, 2018, to approve and begin implementing a comprehensive strategy to reduce emissions of short-lived climate pollutants to achieve a reduction in methane by 40 percent, hydrofluorocarbon gases by 40 percent, and anthropogenic black carbon by 50 percent below 2013 levels by 2030. The bill also established targets for reducing organic waste in landfills. On March 14, 2017, CARB adopted the Short-Lived Climate Pollutant Reduction Strategy, which identifies the state's approach to reducing anthropogenic and biogenic sources of short-lived climate pollutants. Anthropogenic sources of black carbon include on- and off-road transportation, residential wood burning, fuel combustion (charbroiling), and industrial processes. According to CARB, ambient levels of black carbon in California are 90 percent lower than in the early 1960s, despite the tripling of diesel fuel use (CARB 2017a). In-use on-road rules were expected to reduce black carbon emissions from on-road sources by 80 percent between 2000 and 2020. South Coast AQMD is one of the air districts that requires air pollution control technologies for chain-driven broilers, which reduces particulate emissions from these charbroilers by over 80 percent (CARB 2017a). Additionally, South Coast AQMD Rule 445 limits installation of new fireplaces in the South Coast Air Basin.

Existing Conditions

CALIFORNIA'S GREENHOUSE GAS SOURCES AND RELATIVE CONTRIBUTION

In 2021, the statewide GHG emissions inventory was updated for 2000 to 2019 emissions using the GWPs in IPCC's AR4 (IPCC 2013). Based on these GWPs, California produced 418.2 $MMTCO_2e$ GHG emissions in 2019. California's transportation sector was the single largest generator of GHG emissions, producing 39.7 percent of the state's total emissions. Industrial sector emissions made up 21.1 percent, and electric power generation made up 14.1 percent of the state's emissions inventory. Other major sectors of GHG emissions include commercial and residential (10.5 percent), agriculture and forestry (7.6 percent), high GWP (4.9 percent), and recycling and waste (2.1 percent) (CARB 2021).

Since the peak level in 2004, California's GHG emission shave generally followed a decreasing trend. In 2016, California statewide GHG emissions dropped below the AB 32 target for year 2020 of 431 $MMTCO_2e$ and have remained below this target since then. In 2019, emissions from routine GHG-emitting activities statewide were almost 13 $MMTCO_2e$ lower than the AB 32 target for year 2020. Per-capita GHG emissions in California have dropped from a 2001 peak of 14.0 $MTCO_2e$ per person to 10.5 $MTCO_2e$ per person in 2019, a 25 percent decrease.

Transportation emissions continued to decline in 2019 statewide as they had done in 2018, with even more substantial reductions due to a significant increase in renewable diesel. Since 2008, California's electricity sector has followed an overall downward trend in emissions. In 2019, solar power generation continued its rapid growth since 2013. Emissions from high-GWP gases comprised 4.9 percent of California's emissions in 2019. This continues the increasing trend as the gases replace ozone-depleting substances being phased out under the 1987 Montreal Protocol. Overall trends in the inventory also demonstrate that the carbon intensity of California's economy (the amount of carbon pollution per million dollars of gross domestic product) has declined 45 percent since the 2001 peak, though the state's gross domestic product grew 63 percent during this period (CARB 2021).

Thresholds of Significance

The CEQA Guidelines recommend that a lead agency consider the following when assessing the significance of impacts from GHG emissions on the environment:

1. The extent to which the project may increase (or reduce) GHG emissions as compared to the existing environmental setting;

2. Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project;

3. The extent to which the project complies with regulations or requirements adopted to implement an adopted statewide, regional, or local plan for the reduction or mitigation of GHG emissions.[14]

SOUTH COAST AQMD WORKING GROUP

To provide guidance to local lead agencies on determining significance for GHG emissions in their CEQA documents, South Coast AQMD convened a GHG CEQA Significance Threshold Working Group (Working Group). The South Coast AQMD Working Group (Meeting No. 15) identified a tiered approach for evaluating GHG emissions for development projects where South Coast AQMD is not the lead agency (South Coast AQMD 2010):

[14] The Governor's Office of Planning and Research recommendations include a requirement that such a plan must be adopted through a public review process and include specific requirements that reduce or mitigate the project's incremental contribution of GHG emissions. If there is substantial evidence that the possible effects of a particular project are still cumulatively considerable, notwithstanding compliance with the adopted regulations or requirements, an EIR must be prepared for the project.

- **Tier 1.** If a project is exempt from CEQA, project-level and cumulative GHG emissions are less than significant.

- **Tier 2.** If the project complies with a GHG emissions reduction plan or mitigation program that avoids or substantially reduces GHG emissions in the project's geographic area (i.e., city or county), project-level and cumulative GHG emissions are less than significant.

- **Tier 3.** If GHG emissions are less than the screening-level threshold, project-level and cumulative GHG emissions are less than significant.

  For projects that are not exempt or where no qualifying GHG reduction plans are directly applicable, South Coast AQMD requires an assessment of GHG emissions. The South Coast AQMD Working Group identified a screening-level threshold of 3,000 $MTCO_2e$ annually for all land use types or the following land-use-specific thresholds: 1,400 $MTCO_2e$ for commercial projects, 3,500 $MTCO_2e$ for residential projects, or 3,000 $MTCO_2e$ for mixed-use projects. These bright-line thresholds are based on a review of the Governor's Office of Planning and Research database of CEQA projects. Based on their review of 711 CEQA projects, 90 percent of CEQA projects would exceed the bright-line thresholds identified above. Therefore, projects that do not exceed the bright-line threshold would have a nominal, and therefore, less than cumulatively considerable impact on GHG emissions:

- **Tier 4.** If emissions exceed the screening threshold, a more detailed review of the project's GHG emissions is warranted.

  The South Coast AQMD Working Group has identified an efficiency target for projects that exceed the screening threshold of 4.8 $MTCO_2e$ per year per service population ($MTCO_2e$/year/SP) for project-level analyses and 6.6 $MTCO_2e$/year/SP for plan level projects (e.g., program-level projects such as general plans) for the year 2020.[15] The per capita efficiency targets are based on the AB 32 GHG reduction target and 2020 GHG emissions inventory prepared for CARB's 2008 Scoping Plan.

The bright-line screening-level criterion of 3,000 $MTCO_2e$/yr is used as the significance threshold for this project. Therefore, if the project operation-phase emissions exceed the 3,000 $MTCO_2e$/yr threshold, GHG emissions would be considered potentially significant in the absence of mitigation measures.

[15] It should be noted that the Working Group also considered efficiency targets for 2035 for the first time in this Working Group meeting.

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Appendix B. 49th Street Elementary School Tree Inventory Report

Appendices

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JULY 29, 2022

TREE INVENTORY REPORT

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Carlberg ASSOCIATES

Horticulturists and
Registered Consulting
ARBORISTS

July 29, 2022

Alberico Mele
Senior Associate
DLR Group
700 Flower St 22nd Floor
Los Angeles, CA 90017

Re: 49th Street Elementary School – 750 East 49th Street, Los Angeles, CA 90011 – City of Los Angeles Tree Report

Dear Mr. Mele,

This letter addresses our office's site visit on July 6, 2022, to the property at 750 East 49th Street in Los Angeles, California. Carlberg Associates was retained to visit the property, inventory all qualifying private property trees and prepare a report in accordance with the City of Los Angeles' Tree Preservation Ordinance No. 186,873 (Chapter IV, Article 6 of the Los Angeles Municipal Code) and the guidelines set forth by the City of Los Angeles Planning Department. Protected trees and shrubs as set forth in the Ordinance are coast live oak, western sycamore, Southern California black walnut, California bay laurel, Mexican elderberry and toyon with trunk diameters (measured at 4.5 feet above grade) of 4 inches or greater. The Planning Division requires that all other trees with trunk diameters greater than 8 inches are included in the inventory, as well as any off-site trees whose canopies overhang the subject property.

The table on the following pages sets forth the data for the fifty-seven (57) inventoried trees: all are private property trees. There were no right-of-way trees included in this inventory. There are no additional trees whose canopies overhang the project site. ***Seven (7) of the private property trees are considered protected by the City of Los Angeles' Tree Preservation Ordinance No. 186873.*** By virtue of their trunk diameter size of eight inches and greater, thirty-seven (37) private property trees are considered 'significant' as defined by the City's Planning Division.

Santa Monica Office
828 Fifth Street, Suite 3
Santa Monica, California 90403
Office: 310.451.4804

Sierra Madre Office
80 West Sierra Madre Boulevard, #241
Sierra Madre, California 91024
Office: 626.428.5072

www.cycarlberg.com

Please feel welcome to contact me at our Santa Monica office if you have any immediate questions or concerns.

Respectfully submitted,

Cy Carlberg, Registered Consulting Arborist
Principal, Carlberg Associates



TABLE 1 – SUMMARY OF INVENTORIED TREES

Common Name	Botanical Name	Quantity	Protected?
carrotwood	*Cupaniopsis anacardioides*	7	No
Chinese elm	*Ulmus parvifolia*	6	No
chitalpa	*x Chitalpa tashkentensis*	3	No
coast live oak	*Quercus agrifolia*	7	Yes
crape myrtle	*Lagerstroemia indica*	5	No
floss silk	*Ceiba speciosa*	3	No
Indian laurel fig	*Ficus microcarpa*	2	No
jacaranda	*Jacaranda mimosifolia*	3	No
Modesto ash	*Fraxinus velutina 'Modesto'*	1	No
mulberry	*Morus alba*	3	No
shamel ash	*Fraxinus uhdei*	12	No
weeping bottlebrush	*Callistemon viminalis*	5	No
	TOTALS	**57**	**7**

TABLE 2 – TREE INVENTORY DATA

Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (DBH)* in inches	Height (feet)	Canopy Spread (N/E/S/W) in feet	Health	Structure	"Protected", "ROW", or "Significant" Tree	Comments
1	shamel ash	*Fraxinus uhdei*	28.1	28	12/18/17/10	B	B	Significant	in cut out on asphalt, topped, minor dieback
2	shamel ash	*Fraxinus uhdei*	35	30	26/29/26/18	B	B-	Significant	cavity on west, in cutout on asphalt, topped, stub cuts
3	coast live oak	*Quercus agrifolia*	16.1	22	17/20/15/21	C+	B-	Protected	in small cutout on asphalt, sparse, MPE, bark checking
4	coast live oak	*Quercus agrifolia*	9.9	16	10/7/9/11	B+	B+	Protected	in small cutout on asphalt, MPE
5	coast live oak	*Quercus agrifolia*	11.1	18	10/12/15/9	C	C+	Protected	in small cutout on asphalt, sparse, MPE, extensive dieback
6	coast live oak	*Quercus agrifolia*	12.9	18	14/13/15/10	B	B	Protected	in small cutout on asphalt, MPE
7	coast live oak	*Quercus agrifolia*	14	18	8/13/15/14	A-	B	Protected	in small cutout on asphalt, MPE
8	coast live oak	*Quercus agrifolia*	6.5	14	4/12/9/6	B-	B-	Protected	in small cutout on asphalt, MPE, small leaves, leans southeast, trunk buried
9	shamel ash	*Fraxinus uhdei*	25.1	35	15/16/20/13	B	B	Significant	in cutout on asphalt, MPE, asphalt cracking
10	coast live oak	*Quercus agrifolia*	10.6	16	9/12/11/12	B	B	Protected	in small cutout on asphalt, MPE, mech dam on trunk
11	shamel ash	*Fraxinus uhdei*	41.5	40	18/22/21/19	B	B	Significant	in cutout on asphalt, MPE, topped, stub cuts

Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (DBH)* in inches	Height (feet)	Canopy Spread (N/E/S/W) in feet	Health	Structure	"Protected", "ROW", or "Significant" Tree	Comments
12	shamel ash	*Fraxinus uhdei*	40.1	40	23/26/23/20	B	B	Significant	in cutout on asphalt, MPE, topped, stub cuts, active common raven nest in upper canopy as of 7.6.2022
13	mulberry	*Morus alba*	3.1	14	7/8/7/10	B+	B	No	staked, small branch tear
14	carrotwood	*Cupaniopsis anacardioides*	11.2	25	4/11/11/9	B	C+	Significant	in cutout, canker on south side of trunk - decay
15	carrotwood	*Cupaniopsis anacardioides*	13.8	22	5/12/10/11	B-	B-	Significant	canker, pipe on west under roots, MPE, leans away from building
16	carrotwood	*Cupaniopsis anacardioides*	13.6	25	3/9/9/8	B-	C	Significant	canker, COD, leans away from building, MPE
17	carrotwood	*Cupaniopsis anacardioides*	16.5	22	4/12/11/10	B-	B-	Significant	canker, sparse, leans away from building
18	carrotwood	*Cupaniopsis anacardioides*	15.8	25	0/14/15/10	B	B-	Significant	canker, leans away from building
19	crape myrtle	*Lagerstroemia indica*	2.7	12	4/3/4/5	A	A	No	in cutout on asphalt
20	crape myrtle	*Lagerstroemia indica*	3.7	12	1/4/5/4	A	A	No	in cutout on asphalt
21	crape myrtle	*Lagerstroemia indica*	3.4	14	5/4/4/5	B	A	No	in cutout on asphalt, less foliage than others
22	Modesto ash	*Fraxinus velutina* 'Modesto'	3.1	15	6/6/6/6	A	A	No	in cutout, staked - should remove

Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (DBH)* in inches	Height (feet)	Canopy Spread (N/E/S/W) in feet	Health	Structure	"Protected", "ROW", or "Significant" Tree	Comments
23	shamel ash	*Fraxinus uhdei*	14.4	30	11/11/10/10	A	B	Significant	in cutout on asphalt, topped
24	shamel ash	*Fraxinus uhdei*	20.8	32	12/14/13/12	B	B	Significant	in cutout on asphalt, topped
25	shamel ash	*Fraxinus uhdei*	24.1	35	15/13/13/14	B	B	Significant	in cutout on asphalt, MPE, less foliage than others
26	crape myrtle	*Lagerstroemia indica*	5.8	16	9/9/10/10	A	A	No	in cutout on asphalt
27	crape myrtle	*Lagerstroemia indica*	4.4	12	5/4/5/5	A	A	No	in cutout on asphalt
28	Chinese elm	*Ulmus parvifolia*	19	35	18/0/0/28	B+	B	Significant	in cutout on asphalt, leans northwest
29	Chinese elm	*Ulmus parvifolia*	17.3	35	11/4/23/26	B	B	Significant	in cutout on asphalt, wood bench around trunk, rope girdling trunk
30	Chinese elm	*Ulmus parvifolia*	18.9	35	13/15/14/19	B	B	Significant	in cutout on asphalt, rope girdling trunk
31	Chinese elm	*Ulmus parvifolia*	21.2	35	15/15/20/20	B	B	Significant	seam on trunk, leans south
32	Chinese elm	*Ulmus parvifolia*	17.7	35	14/17/19/19	A	B	Significant	in small cutout on concrete, MPE, overhangs buildings
33	carrotwood	*Cupaniopsis anacardioides*	16.5	20	12/12/10/12	B-	B	Significant	sparse, engulfing fence, MPE
34	carrotwood	*Cupaniopsis anacardioides*	9.7	20	12/2/11/17	B+	B	Significant	shaded by fig

Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (DBH)* in inches	Height (feet)	Canopy Spread (N/E/S/W) in feet	Health	Structure	"Protected", "ROW", or "Significant" Tree	Comments
35	floss silk	*Ceiba speciosa*	15.7	25	24-NW/0/0/19	B	B	Significant	shaded by fig, MPE
36	weeping bottlebrush	*Callistemon viminalis*	8.8	25	0/4/13/9	A	B+	Significant	shaded by #33
37	weeping bottlebrush	*Callistemon viminalis*	9.3	25	2/8/13/6	A	B+	Significant	shaded by #33
38	weeping bottlebrush	*Callistemon viminalis*	5.8	18	0/0/11/2	A	B	No	shaded by #33, canopy within fig
39	weeping bottlebrush	*Callistemon viminalis*	7.9	18	0/8/10/4	A	B	No	shaded by fig, under dripline of fig
40	weeping bottlebrush	*Callistemon viminalis*	7.1	18	2/3/5/7	A	B	No	shaded by fig, under dripline of fig
41	floss silk	*Ceiba speciosa*	15.8	22	0/0/16/12	A	B+	Significant	leans west away from building
42	floss silk	*Ceiba speciosa*	21.3	25	16/9/17/22	A	B+	Significant	leans west away from building
43	shamel ash	*Fraxinus uhdei*	31.3	40	21/19/16/15	B	B-	Significant	in cutout on asphalt, MPE, pipe on west
44	mulberry	*Morus alba*	11.2	16	11/12/5/12	C	C-	Significant	extensive dieback, topped
45	shamel ash	*Fraxinus uhdei*	27.3	40	26/25/22/21	A-	B	Significant	in cutout on asphalt
46	mulberry	*Morus alba*	11.1	20	14/17/8/10	B	B-	Significant	codom with included bark, topped, MPE

Tree #	Common Name	Botanical Name	Diameter at 4.5 feet (DBH)* in inches	Height (feet)	Canopy Spread (N/E/S/W) in feet	Health	Structure	"Protected", "ROW", or "Significant" Tree	Comments
47	shamel ash	*Fraxinus uhdei*	32.4	40	29/27/25/19	B-	B-	Significant	sparse at top, MPE, equipment to west of trunk
48	shamel ash	*Fraxinus uhdei*	21.8	25	16/16/13/14	B	B-	Significant	topped, codoms with included bark
49	Chinese elm	*Ulmus parvifolia*	21	35	18/16/16/20	A-	B	Significant	MPE
50	jacaranda	*Jacaranda mimosifolia*	16.7	30	17/24/20/17	A	B	Significant	topped, MPE, MBA, overextended branches
51	jacaranda	*Jacaranda mimosifolia*	13.6	30	2/20/18/18	A	B	Significant	shaded by #51, MPE, MBA
52	chitalpa	*x Chitalpa tashkentensis*	4.5	15	0/5/8/0	C	C	No	shaded by #51, extensive dieback
53	jacaranda	*Jacaranda mimosifolia*	8.4	18	0/16/15/5	A	B-	Significant	leans south, MPE, MBA
54	chitalpa	*x Chitalpa tashkentensis*	6.1	18	9/13/9/2	B+	B+	No	leans away from building
55	chitalpa	*x Chitalpa tashkentensis*	3.6	10	0/8/7/4	B	B	No	leans away from building
56	Indian laurel fig	*Ficus microcarpa*	31.2	40	21/28/29/18	A	B-	Significant	exposed roots, roots pressing against building, sidewalk uplift, trunk leans south away from building, canopy pruned on south for powerlines
57	Indian laurel fig	*Ficus microcarpa*	42.4	45	25/34/36/33	A	B	Significant	ants, exposed roots, leans south away from building, canopy on south pruned for powerline

DBH – Diameter at breast height. A forestry term used to describe a tree's trunk diameter measured at 4.5 feet above grade. Often used as a representation of tree size.

MBA – Multiple branch attachments

MPE – Multiple pruning events

COD – Column of decay



EXHIBIT A – AERIAL IMAGE OF SUBJECT PROPERTY
(BORDERED IN RED – Source: Bing Maps)

Not to Scale

LEGEND:

AC	ASPHALTIC CONCRETE
ACON	AIR CONDITIONING
BC	BUILDING CORNER
BFP	BACKFLOW PREVENTER
BOH	BUILDING OVERHANG
BNCH	BENCH
CNC	CONCRETE
CMPB	COMMUNICATION PULL BOX
CMPM	COMMUNICATION PAINT MARK
CMVT	COMMUNICATION VAULT
CO	CLEANOUT
COND	CONDUIT
DWY	DRIVEWAY
ECCB	ELECTRICAL CABINET
ECPB	ELECTRICAL PULL BOX
ECPM	ELECTRICAL PAINT MARK
ECTR	ELECTRICAL TRANSFORMER
ECVT	ELECTRICAL VAULT
EP	EDGE OF PAVEMENT
FF	FINISHED FLOOR (DOOR)
FG	FINISHED GRADE
FL	FLOWLINE
FNCL	CHAINLINK FENCE
FS	FINISHED SURFACE (ASPHALT OR CONCRETE
GB	GRADE BREAK
GSPM	GAS PAINT MARK
HCR	HANDICAP RAMP
HP	HANDICAP PARKING
INV	INVERT
IRPM	IRRIGATION PAINT MARK
LIP	GUTTER LIP
MC	MOW CURB
PIV	PRESSURE INDICATOR VALVE
PP	POWER POLE
SSPB	SEWER PULL POX
SSPM	SEWER PAINT MARK
SSCO	SEWER CLEANOUT
SDIN	STORM DRAIN INLET
SDPM	STORM DRAIN PAINT MARK
SDTG	STORM DRAIN TOP OF GRATE
SW	SIDEWALK
TC	TOP OF CURB
TW	TOP OF WALL
UPB	UNIDENTIFIED PULLBOX
UPM	UNIDENTIFIED PAINT MARK
UVT	UNIDENTIFIED VAULT
WTPB	WATER PULLBOX
WTPM	WATER PAINT MARK
WVT	WATER VAULT
WV	WATER VALVE
	BACK FLOW PREVENTER
	BUILDING COLUMN
	BOLLARD
	DOOR
E	ELECTRICAL PULLBOX
	FIRE DEPARTMENT CONNECTION
G	GAS METER
	IRRIGATION PULLBOX
	LIGHT POLE
	SEWER CLEANOUT
d	SIGN
	POST INDICATOR VALVE
W	WATER METER
	TREE
	WALL
	HANDRAIL
S	SEWER PAINT MARK
E	ELECTRICAL PAINT MARK
SD	STORM DRAIN PAINT MARK
W	WATER PAINT MARK
T	COMMUNICATION PAINT MARK
G	GAS PAINT MARK
W	WATER AS-BUILT
SD	STORM DRAIN AS-BUILT
S	SEWER AS-BUILT
E	ELECTRIC AS-BUILT
G	GAS AS-BUILT

TREE INVENTORY LEGEND

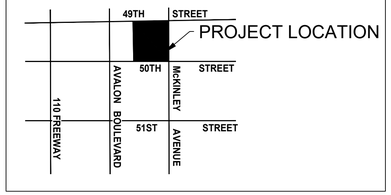
- # — CITY OF LOS ANGELES "SIGNIFICANT" TREE (> 8" DBH)
- # — NON-PROTECTED TREE (< 8" DBH)
- # — COAST LIVE OAK CITY OF LOS ANGELES PROTECTED TREE
- COAST LIVE OAK CANOPY

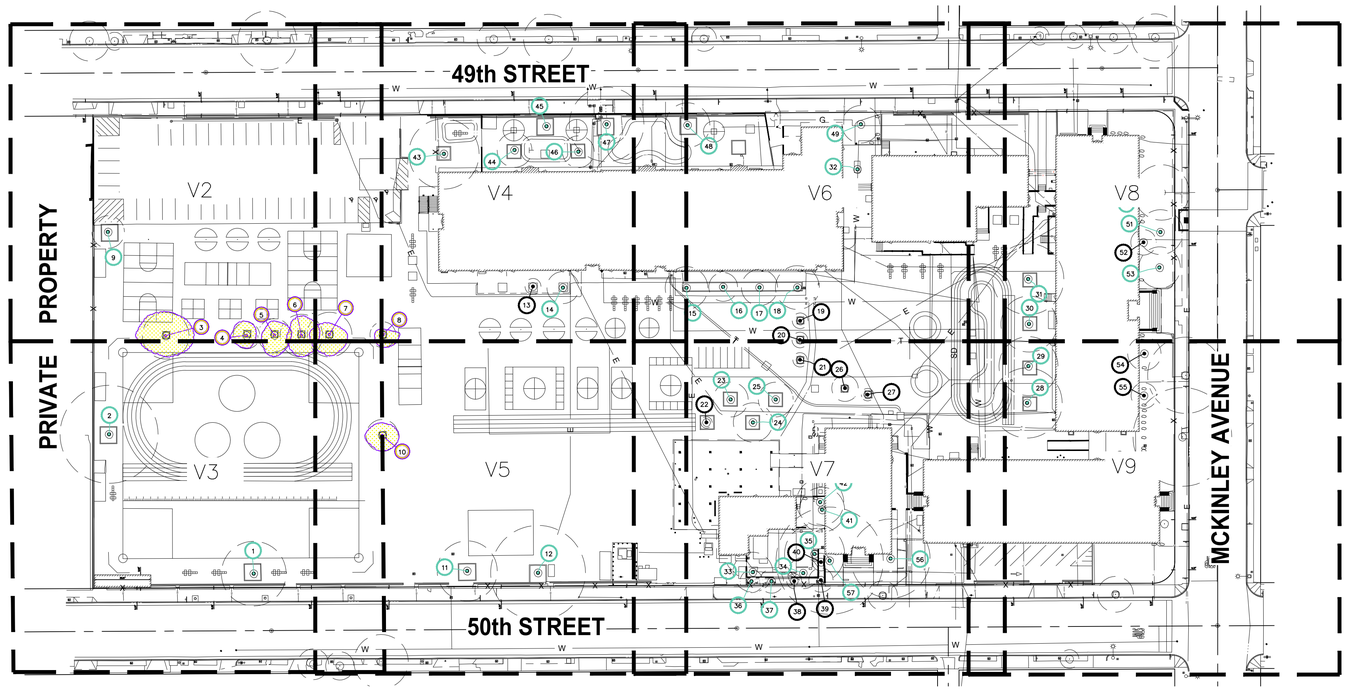
NOTES: - CANOPY MEASUREMENTS ARE NOT SURVEYED AND ARE APPROXIMATE ONLY.

DATE PREPARED: 07/20/22
PREPARED BY: S. McALLASTER
ISA CERTIFIED ARBORIST
REVIEWED BY: CY CARLBERG, RCA #405

VICINITY MAP

N.T.S.





KEY MAP
NOT TO SCALE

SURVEYORS NOTE:

ALL DRAINAGE STRUCTURES WITH NO INVERTS SHOWN WERE FILLED WITH DEBRIS AT THE TIME OF THE SURVEY. THE DEBRIS MADE IT SO IT WAS NOT POSSIBLE TO MEASURE TO BOTTOM OF THE STRUCTURE.

SHEET INDEX:

V1 TITLE, VICINITY MAP, AND INDEX SHEET
V2-9 TOPOGRAPHIC SURVEY
V10 SUBSURFACE UTILITY AND VAULT INVESTIGATION
V11 BOUNDARY SURVEY

BENCHMARK:

CITY OF LOS ANGELES BENCHMARK 18-0105

WIRE SPIKE SW COR C B 3.5FT W OF W CURB AVALON BLVD 7FT N OF 49TH ST. NGS BM DY1718

ELEVATION: 177.241 FT DATUM: NAVD88 (2000)

BENCHMARK EQUATION: SUBTRACT 1.36 FT TO EQUAL AS-BUILT ELEVATIONS

BASIS OF BEARINGS:

THE BEARINGS SHOWN HEREON ARE BASED ON THE GRID BEARING N18°17'10.66"E BETWEEN CONTINUOUS OPERATING REFERENCE STATIONS "MHMS" AND "ELSC" BASED ON DATA OBTAINED THROUGH THE NGS.

DATUM: NAD83 2010.00 EPOCH

Carlberg ASSOCIATES
Horticulturists and Registered Consulting ARBORISTS

INDEX SHEET

TREE LOCATION EXHIBIT

49TH STREET ELEMENTARY SCHOOL
750 EAST 49TH STREET, LOS ANGELES, CALIFORNIA 90011
PREPARED FOR: DLR GROUP, 700 FLOWER STREET, 22ND FLOOR, LOS ANGELES, CA 90017

www.cycarlberg.com Date: 07.20.22 By: S. McAllaster

LOS ANGELES UNIFIED SCHOOL DISTRICT - BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

49TH STREET
ELEMENTARY SCHOOL
LAUSD
750 E. 49TH STREET
LOS ANGELES, CA 90011

COMMISSIONED ARCHITECT

CONSULTANT

Stantec
38 TECHNOLOGY DRIVE
IRVINE, CA 92618
949.923.6000 stantec.com

STAMPS/SEALS

PROFESSIONAL LAND SURVEYOR — JOSEPH D. NELSON — PLS 9432 — STATE OF CALIFORNIA

SHEET TITLE:

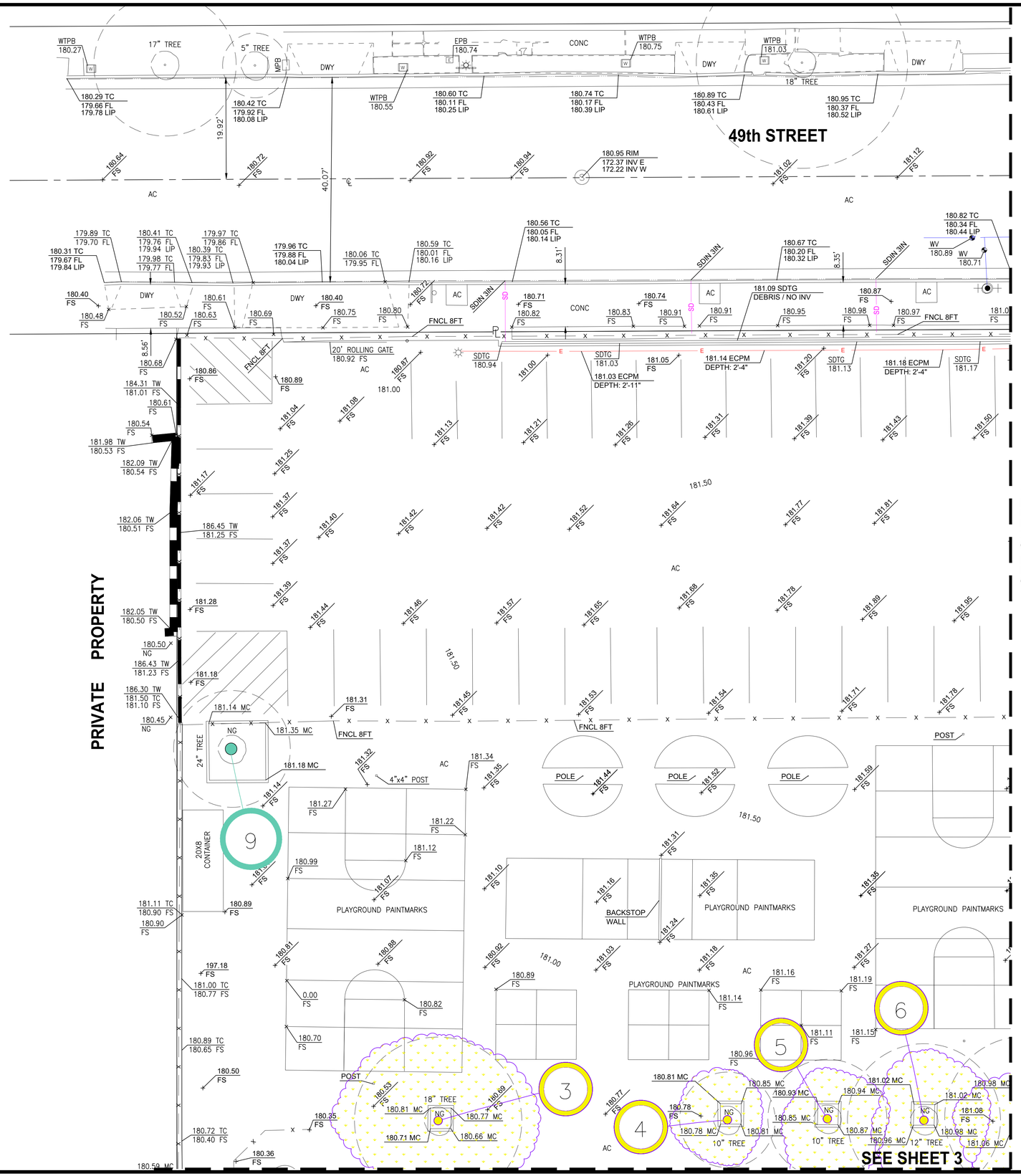
TITLE VICINITY MAP AND INDEX SHEET

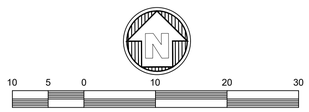
PROJECT NO.:	PROJECT ARCH:
DRAWN: JDN	CHECKED: JS

SHEET NUMBER

V1

DATE: 06/17/2022 SHEET: 1 OF: 11





TREE INVENTORY LEGEND

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NOTES: - CANOPY MEASUREMENTS ARE NOT SURVEYED AND ARE APPROXIMATE ONLY.

DATE PREPARED: 07/20/22
PREPARED BY: S. McALLASTER
ISA CERTIFIED ARBORIST
REVIEWED BY: CY CARLBERG, RCA #405

SHEET 2

Carlberg ASSOCIATES Horticulturists and Registered Consulting ARBORISTS

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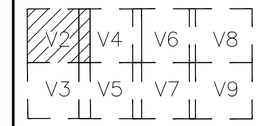
KEY MAP



LOS ANGELES UNIFIED SCHOOL DISTRICT
BOARD OF EDUCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

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ELEMENTARY SCHOOL
LAUSD
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LOS ANGELES, CA 90011

COMMISSIONED ARCHITECT

CONSULTANT

Stantec
38 TECHNOLOGY DRIVE
IRVINE, CA 92618
949.923.6000 stantec.com

STAMPS/SEALS

PROFESSIONAL LAND SURVEYOR JOSEPH D. NELSON PLS 9432 STATE OF CALIFORNIA

SHEET TITLE:

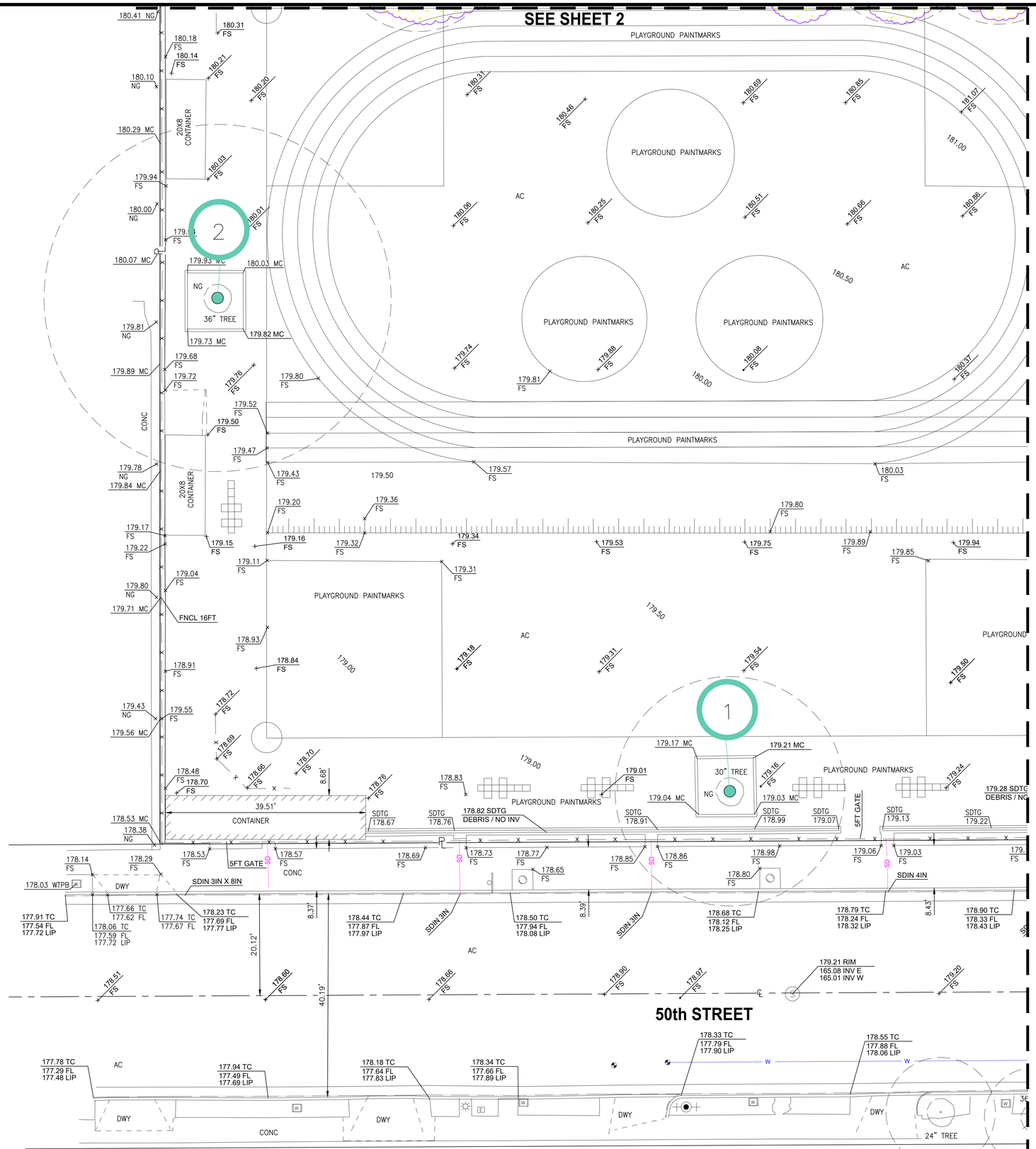
TOPOGRAPHIC SURVEY

PROJECT NO.:	PROJECT ARCH:
DRAWN: JDN	CHECKED: JS

SHEET NUMBER

V2

DATE: 06/17/2022 SHEET: 2 OF: 11



10 5 0 10 20 30

SCALE: 1" : 10'

TREE INVENTORY LEGEND

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SHEET 3

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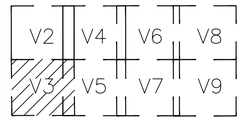

LOS ANGELES UNIFIED SCHOOL DISTRICT
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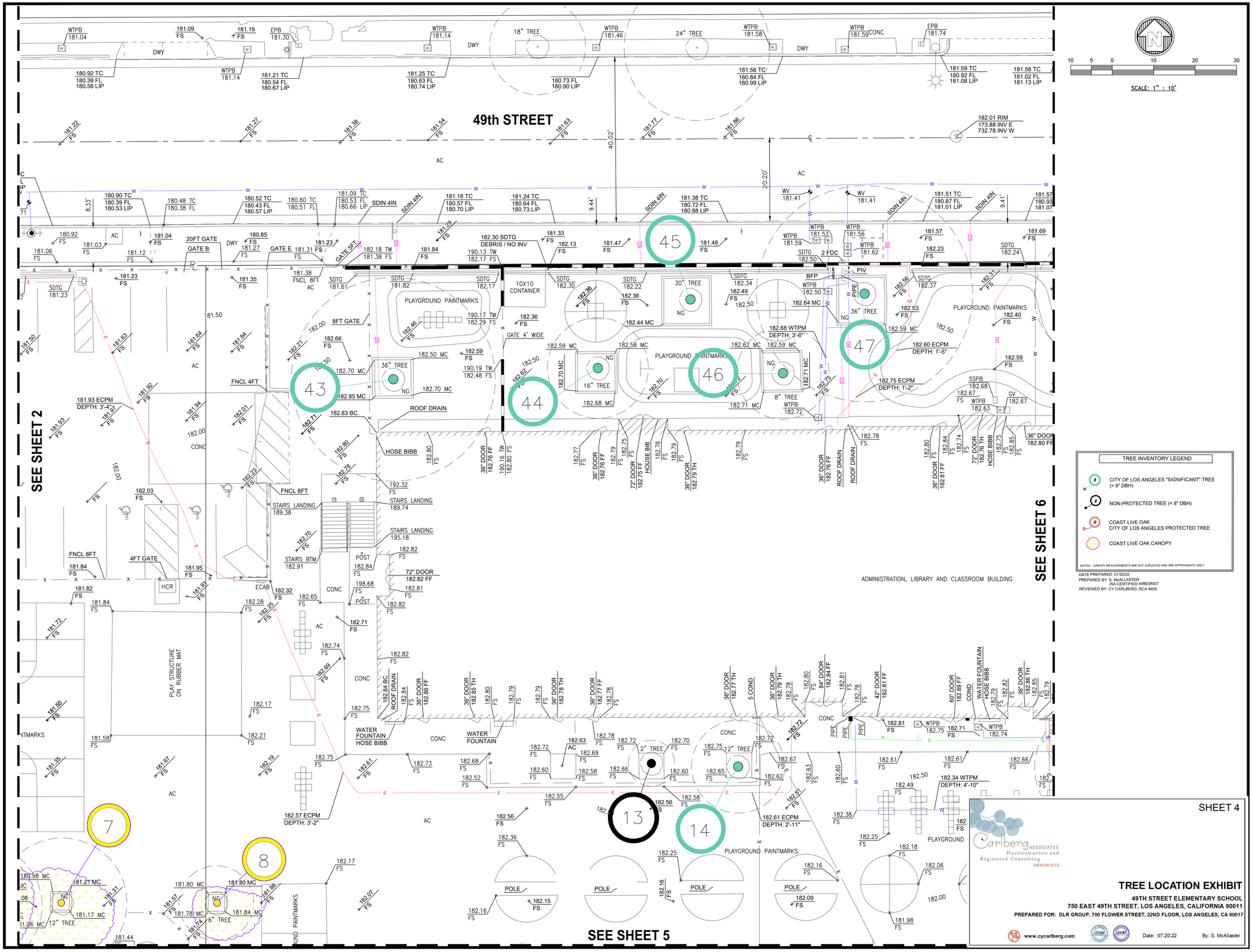
SHEET NUMBER

V3

DATE: 06/17/2022 SHEET: 3 OF: 11



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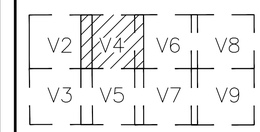


LOS ANGELES UNIFIED SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

49TH STREET
ELEMENTARY SCHOOL
LAUSD
750 E. 49TH STREET
LOS ANGELES, CA 90011

COMMISSIONED ARCHITECT

CONSULTANT

Stantec
38 TECHNOLOGY DRIVE
IRVINE, CA 92618
949.923.6000 stantec.com

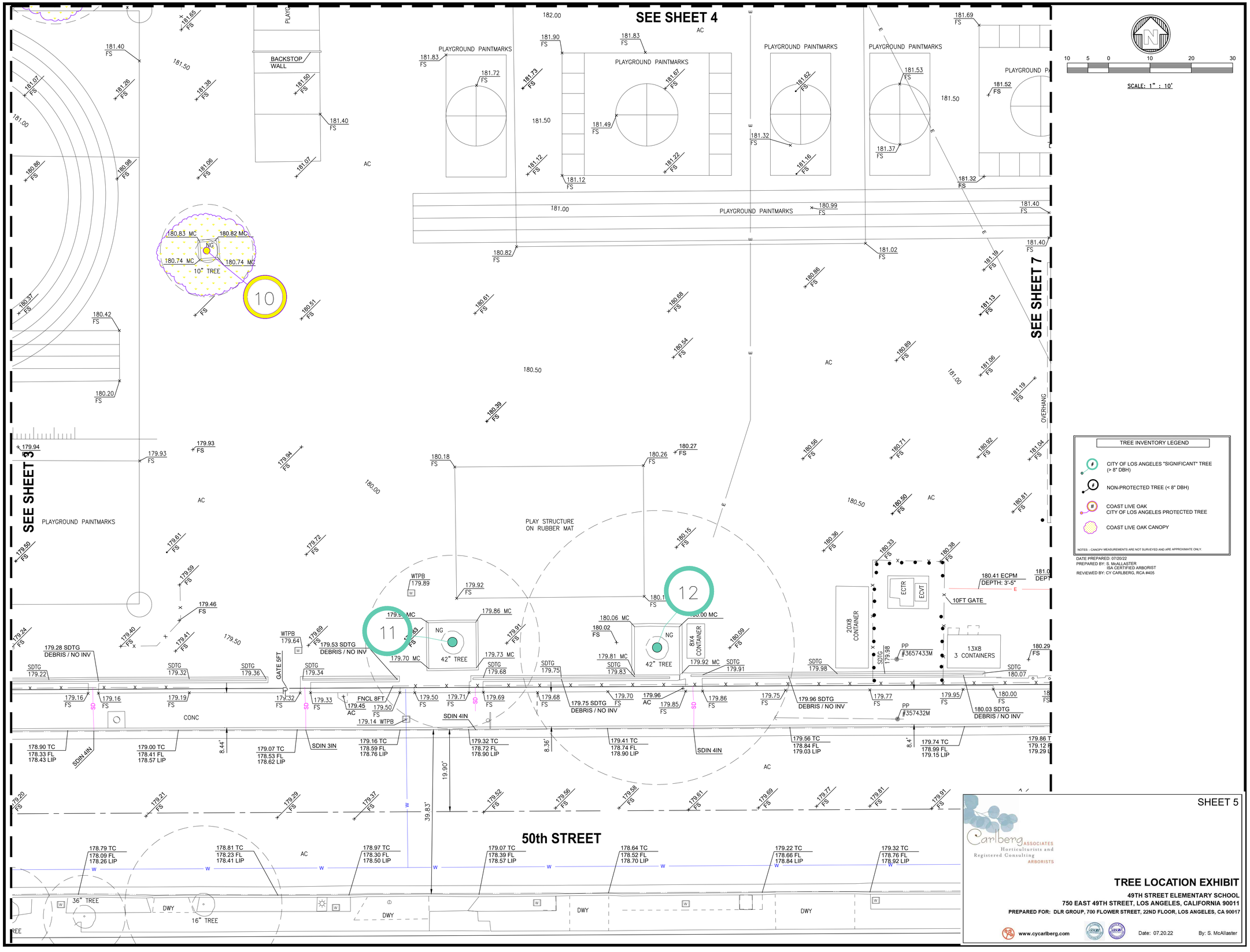
STAMPS/SEALS

PROFESSIONAL LAND SURVEYOR JOSEPH D. NELSON PLS 9432 STATE OF CALIFORNIA

SHEET TITLE:

TOPOGRAPHIC SURVEY

PROJECT NO.:	PROJECT ARCH:
DRAWN: JDN	CHECKED: JS
SHEET NUMBER	V4
DATE: 06/17/2022	SHEET: 4 OF: 11



TREE INVENTORY LEGEND

- CITY OF LOS ANGELES "SIGNIFICANT" TREE (> 8" DBH)
- NON-PROTECTED TREE (< 8" DBH)
- COAST LIVE OAK CITY OF LOS ANGELES PROTECTED TREE
- COAST LIVE OAK CANOPY

NOTES - CANOPY MEASUREMENTS ARE NOT SURVEYED AND ARE APPROXIMATE ONLY.

DATE PREPARED: 07/20/22
PREPARED BY: S. McALLASTER
ISA CERTIFIED ARBORIST
REVIEWED BY: CY CARLBERG, RCA #405

Carlberg ASSOCIATES
Horticulturists and Registered Consulting ARBORISTS

www.cycarlberg.com

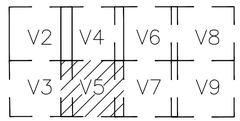
Date: 07.20.22 By: S. McAllaster

SHEET 5

TREE LOCATION EXHIBIT

49TH STREET ELEMENTARY SCHOOL
750 EAST 49TH STREET, LOS ANGELES, CALIFORNIA 90011
PREPARED FOR: DLR GROUP, 700 FLOWER STREET, 22ND FLOOR, LOS ANGELES, CA 90017

KEY MAP



LOS ANGELES UNIFIED SCHOOL DISTRICT
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M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

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949.923.6000 stantec.com

STAMPS/SEALS

PROFESSIONAL LAND SURVEYOR
JOSEPH D. NELSON
PLS 9432
STATE OF CALIFORNIA

SHEET TITLE:

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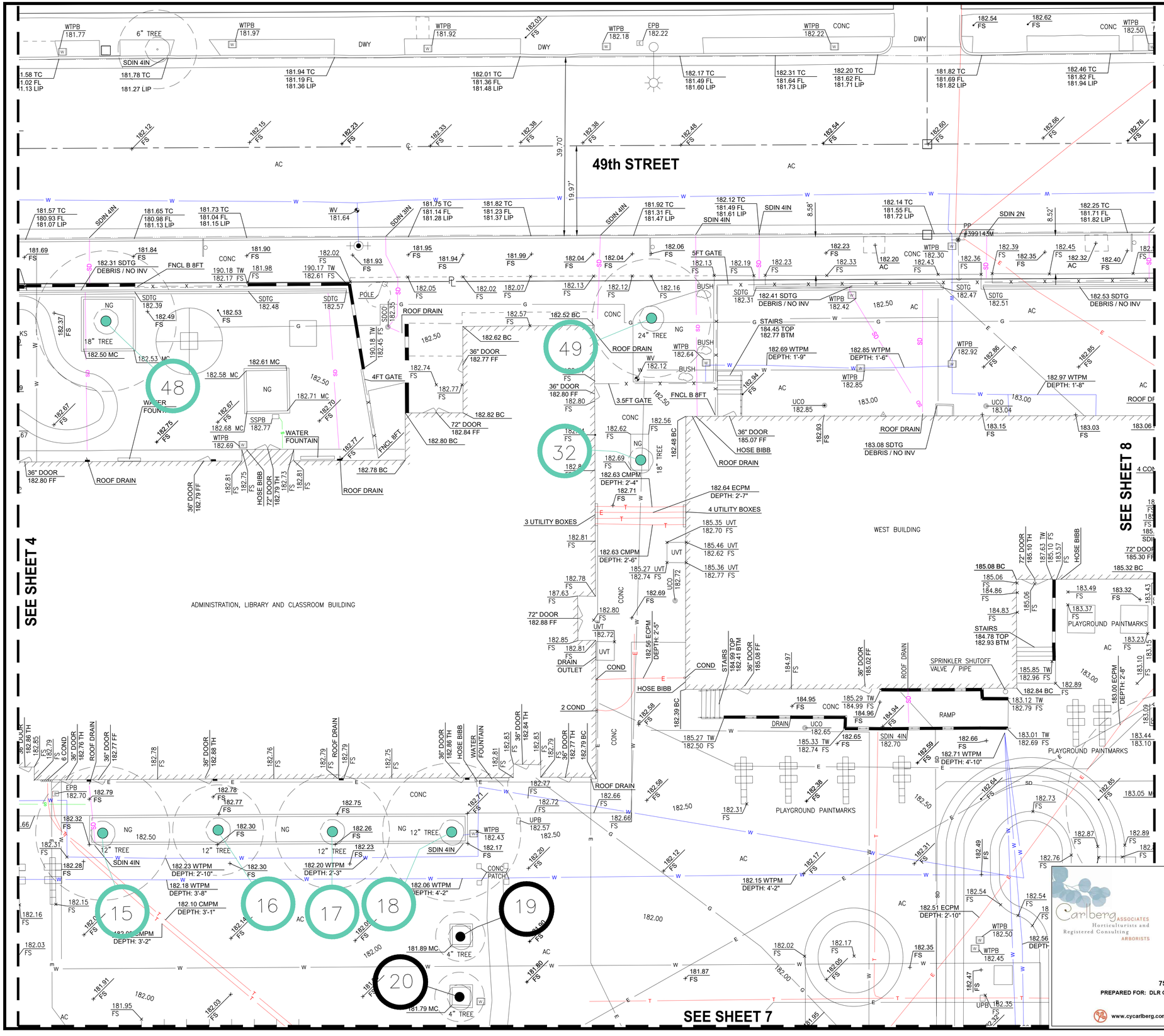
PROJECT NO.:	PROJECT ARCH:
DRAWN: JDN	CHECKED: JS

SHEET NUMBER

V5

DATE: 06/17/2022 SHEET: 5 OF: 11



KEY MAP

V2 V4 V6 V8
V3 V5 V7 V9

LOS ANGELES UNIFIED SCHOOL DISTRICT
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M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

49TH STREET
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LOS ANGELES, CA 90011

COMMISSIONED ARCHITECT

CONSULTANT

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38 TECHNOLOGY DRIVE
IRVINE, CA 92618
949.923.6000 stantec.com

STAMPS/SEALS

PROFESSIONAL LAND SURVEYOR
JOSEPH D. NELSON
PLS 9432
STATE OF CALIFORNIA

SHEET TITLE:

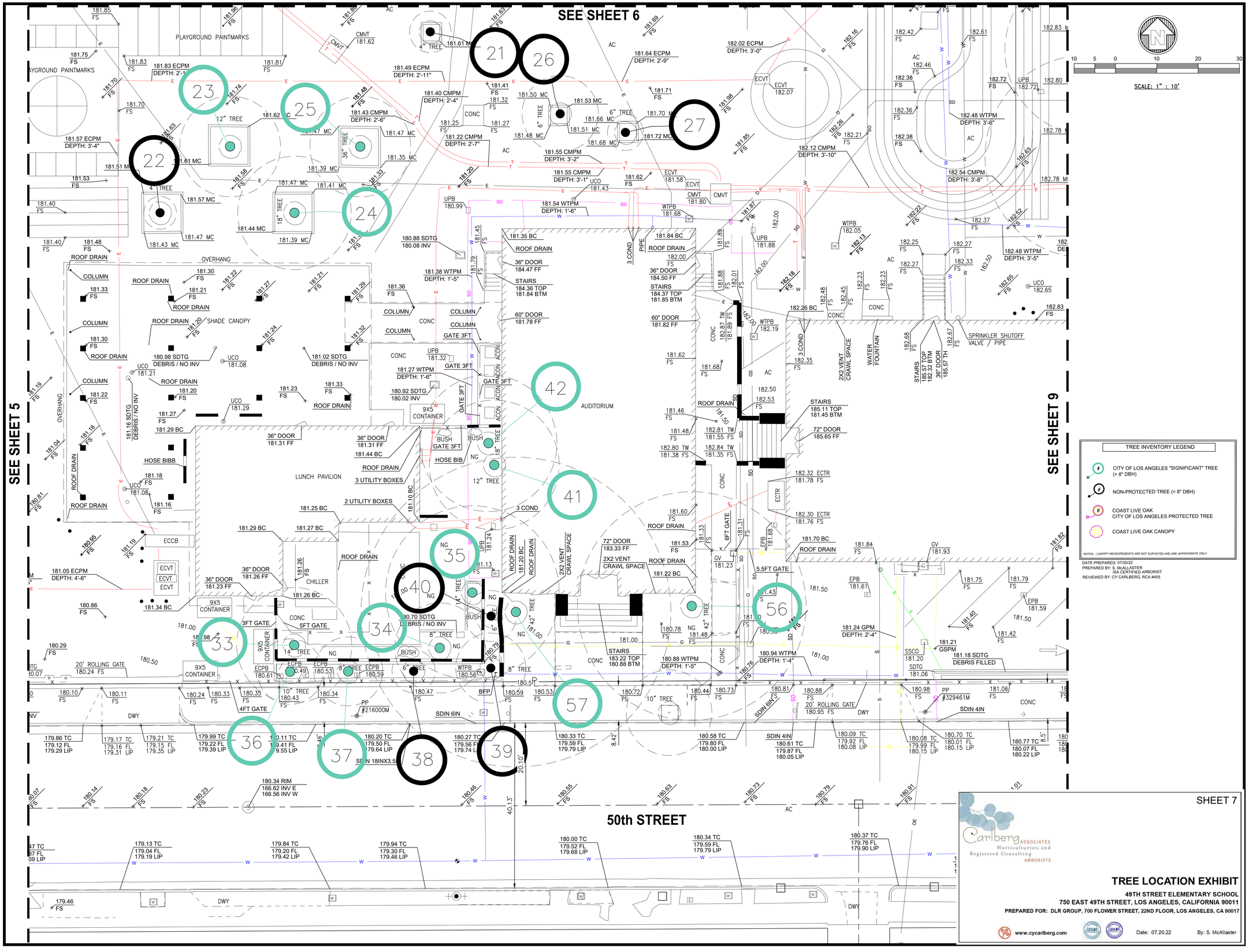
TOPOGRAPHIC SURVEY

PROJECT NO.:	PROJECT ARCH:
DRAWN: JDN	CHECKED: JS

SHEET NUMBER

V6

DATE: 06/17/2022 SHEET: 6 OF: 11



TREE INVENTORY LEGEND

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- NON-PROTECTED TREE (< 8" DBH)
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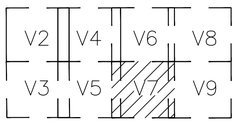
- COAST LIVE OAK CANOPY

NOTES - CANOPY MEASUREMENTS ARE NOT SURVEYED AND ARE APPROXIMATE ONLY.

DATE PREPARED: 07/20/22
PREPARED BY: S. McALLASTER
ISA CERTIFIED ARBORIST
REVIEWED BY: CY CARLBERG, RCA #405

SCALE: 1" : 10'

KEY MAP



LOS ANGELES UNIFIED SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

49TH STREET
ELEMENTARY SCHOOL
LAUSD
750 E. 49TH STREET
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COMMISSIONED ARCHITECT

CONSULTANT

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949.923.6000 stantec.com

STAMPS/SEALS

PROFESSIONAL LAND SURVEYOR
JOSEPH D. NELSON
PLS 9432
STATE OF CALIFORNIA

SHEET TITLE:

TOPOGRAPHIC SURVEY

PROJECT NO.:	PROJECT ARCH:
DRAWN: JDN	CHECKED: JS

SHEET NUMBER

V7

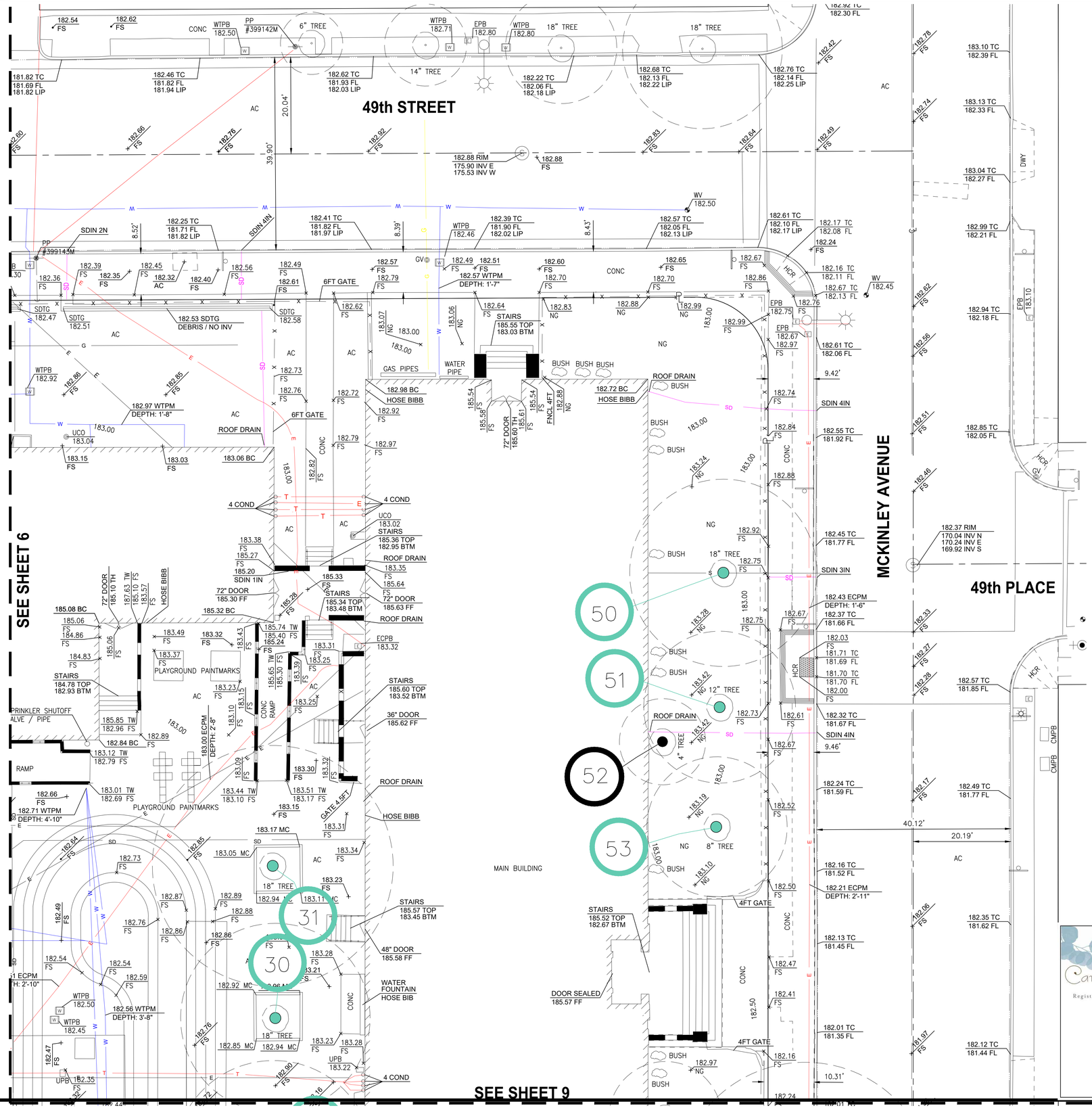
DATE: 06/17/2022 SHEET: 7 OF: 11

SHEET 7

Carlberg ASSOCIATES
Horticulturists and Registered Consulting ARBORISTS

TREE LOCATION EXHIBIT
49TH STREET ELEMENTARY SCHOOL
750 EAST 49TH STREET, LOS ANGELES, CALIFORNIA 90011
PREPARED FOR: DLR GROUP, 700 FLOWER STREET, 22ND FLOOR, LOS ANGELES, CA 90017

www.cycarlberg.com Date: 07.20.22 By: S. McAllaster



10 5 0 10 20 30

SCALE: 1" : 10'

TREE INVENTORY LEGEND

- CITY OF LOS ANGELES "SIGNIFICANT" TREE (> 8" DBH)
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DATE PREPARED: 07/20/22
PREPARED BY: S. McALLASTER
ISA CERTIFIED ARBORIST
REVIEWED BY: CY CARLBERG, RCA #405

Carlberg ASSOCIATES
Horticulturists and Registered Consulting ARBORISTS

SHEET 8

TREE LOCATION EXHIBIT

49TH STREET ELEMENTARY SCHOOL
750 EAST 49TH STREET, LOS ANGELES, CALIFORNIA 90011
PREPARED FOR: DLR GROUP, 700 FLOWER STREET, 22ND FLOOR, LOS ANGELES, CA 90017

www.cycarlberg.com Date: 07.20.22 By: S. McAllaster

KEY MAP

V2 V4 V6 V8
V3 V5 V7 V9

LOS ANGELES UNIFIED SCHOOL DISTRICT

M&O - A/E SERVICES
FACILITIES SERVICES DIVISION
333 S. BEAUDRY AVENUE, 22ND FLOOR
LOS ANGELES, CALIFORNIA 90017

PROJECT TITLE AND SCHOOL LOCATION

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LAUSD
750 E. 49TH STREET
LOS ANGELES, CA 90011

COMMISSIONED ARCHITECT

CONSULTANT

Stantec
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STAMPS/SEALS

PROFESSIONAL LAND SURVEYOR
JOSEPH D. NELSON
PLS 9432
STATE OF CALIFORNIA

SHEET TITLE:

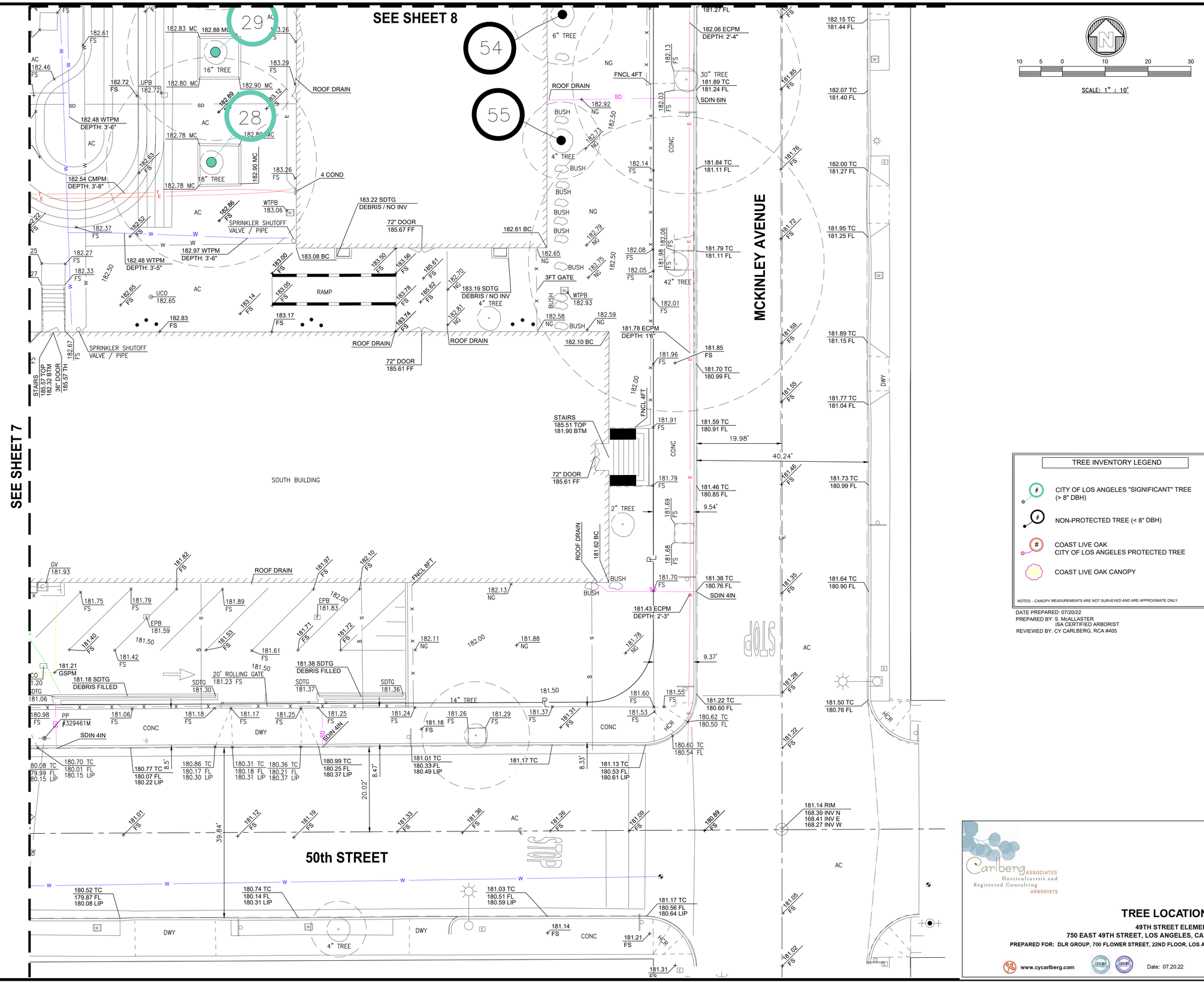
TOPOGRAPHIC SURVEY

PROJECT NO.:	PROJECT ARCH:
DRAWN: JDN	CHECKED: JS

SHEET NUMBER

V8

DATE: 06/17/2022 SHEET: 8 OF: 11



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NOTES: - CANOPY MEASUREMENTS ARE NOT SURVEYED AND ARE APPROXIMATE ONLY.

DATE PREPARED: 07/20/22
PREPARED BY: S. McALLASTER
ISA CERTIFIED ARBORIST
REVIEWED BY: CY CARLBERG, RCA #405

10 5 0 10 20 30

SCALE: 1" : 10'

SHEET 9

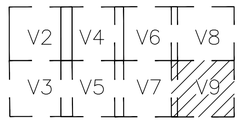
Carlberg ASSOCIATES Horticulturists and Registered Consulting ARBORISTS

TREE LOCATION EXHIBIT

49TH STREET ELEMENTARY SCHOOL
750 EAST 49TH STREET, LOS ANGELES, CALIFORNIA 90011
PREPARED FOR: DLR GROUP, 700 FLOWER STREET, 22ND FLOOR, LOS ANGELES, CA 90017

www.cycarlberg.com Date: 07.20.22 By: S. McAllaster

KEY MAP



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JOSEPH D. NELSON
PLS 9432
STATE OF CALIFORNIA

SHEET TITLE:

TOPOGRAPHIC SURVEY

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SHEET NUMBER

V9

DATE: 06/17/2022 SHEET: 9 OF: 11

EXHIBIT C – TREE PHOTOGRAPHS



Tree 1



Tree 2



Tree 3



Tree 4



Tree 5



Tree 6



Tree 7



Tree 8



Tree 9



Tree 10



Tree 11



Tree 12



Tree 13



Tree 14



Tree 15



Tree 16



Tree 17



Tree 18



Tree 19



Tree 20



Tree 21



Tree 22



Tree 23



Tree 24



Tree 25



Tree 26



Tree 27



Tree 28



Tree 29



Tree 30



Tree 31



Tree 32



Tree 33



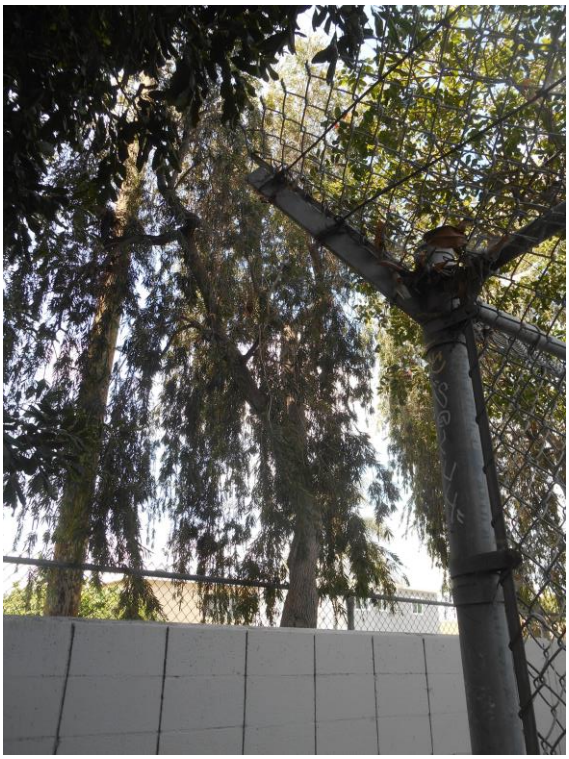
Tree 34



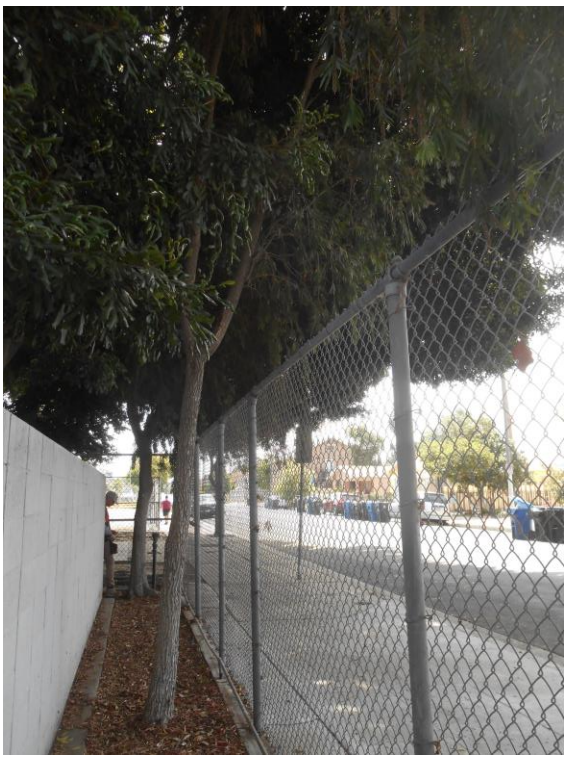
Tree 35



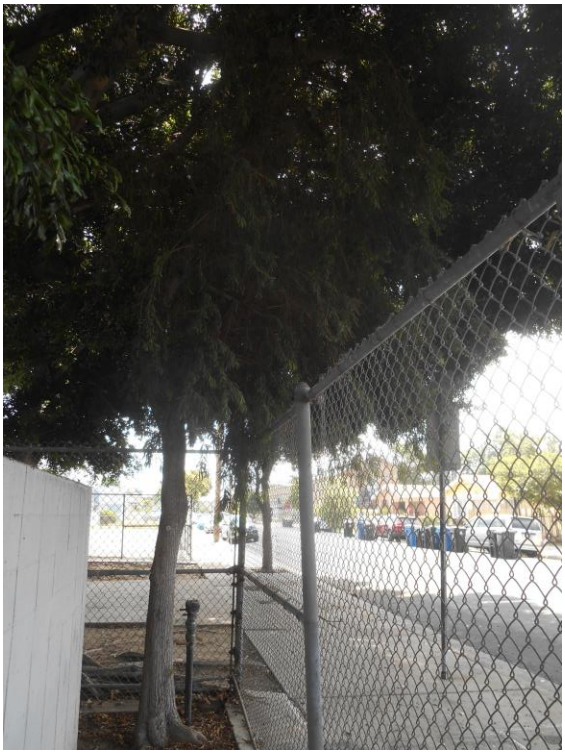
Tree 36



Tree 37



Tree 38



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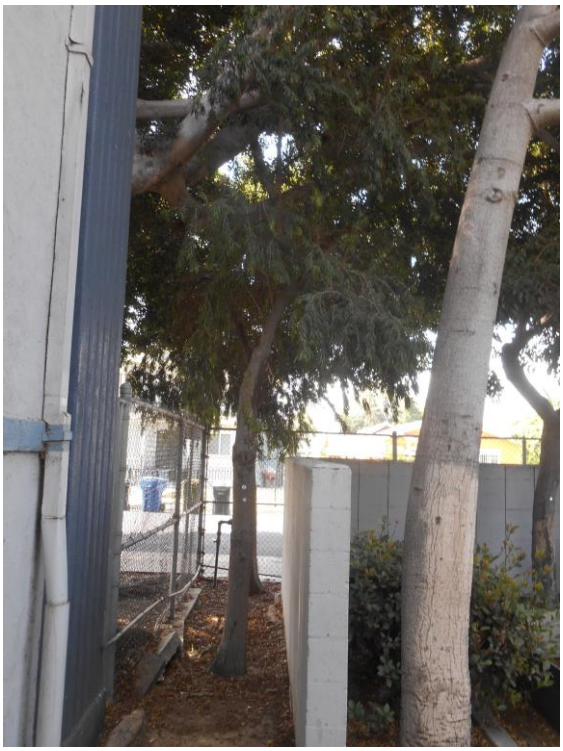


Tree 40



Tree 41



Tree 42



Tree 43



Tree 44



Tree 45



Tree 46



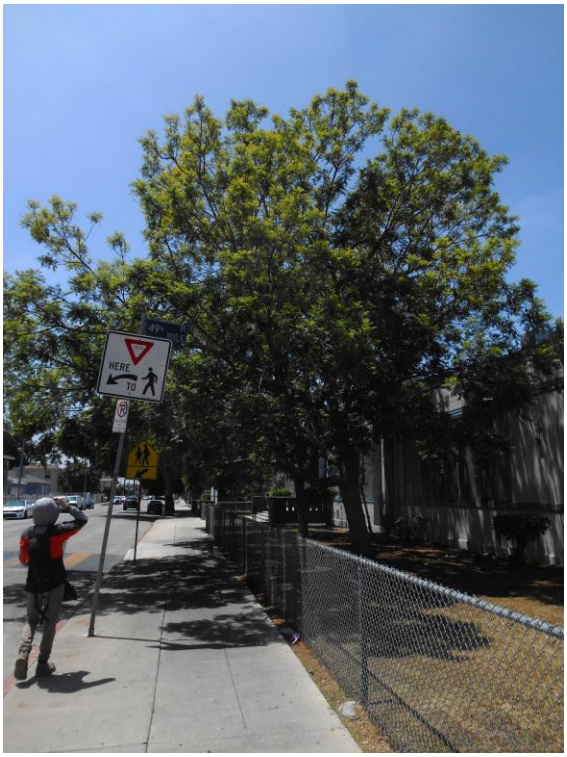
Tree 47



Tree 48



Tree 49



Tree 50



Tree 51



Tree 52



Tree 53



Tree 54



Tree 55



Tree 56



Tree 57

HEALTH AND STRUCTURE GRADE DEFINITIONS

Health and structure ratings of the trees are based on the archetype tree of the same species through a subjective evaluation of its physiological health, aesthetic quality, and structural integrity.

Overall physiological condition (health) and structural condition were rated A-F:

Health

A. Outstanding – Exceptional trees of good growth form and vigor for their age class; exhibiting very good to excellent health as evidenced by normal to exceptional shoot growth during current season, good bud development and leaf color, lack of leaf, twig or branch dieback throughout the crown, and the absence of decay, bleeding, or cankers. Common leaf and/or twig pests may be noted at very minor levels.

B. Above average – Good to very good trees that exhibit minor necrotic or physiological symptoms of stress and/or disease; shoot growth is less than reasonably expected, leaf color is less than optimal in some areas, the crown may be thinning, minor levels of leaf, twig, and branch dieback may be present, and minor areas of decay, bleeding, or cankers may be manifesting. Minor amounts of epicormic growth may be present. Minor amounts of fire damage or mechanical damage may be present. Still healthy, but with moderately diminished vigor and vitality. No significant decline noted.

C. Average – Average, moderately good trees whose growth habit and physiological or fire-induced symptoms indicate an equal chance to either decline or continue with good health into the near future. Most of these trees exhibit moderate to significant small deadwood in outer crown areas, decreased shoot growth and diminished leaf color and mass. Some stem and branch dieback is usually present and epicormic growth may be moderate to extensive. Cavities, pockets of decay, relatively significant fire damage, bark exfoliation, or cracks may be present. Moderate to significant amounts of insect or disease symptoms may be present; the tree may be shaded or crowded in such a way that it is expected to negatively impact the lifespan of the tree. Tree may be in early decline.

D. Below Average/Poor - trees whose growth habit and physiological or fire-induced symptoms indicate significant, irreversible decline. Most of these trees exhibit significant dieback of wood in the crown, possibly accompanied by significant epicormic sprouting. Shoot growth and leaf color and mass is either significantly diminished or nonexistent throughout the crown. Cavities, pockets of decay, significant fire damage, bark exfoliation, and/or cracks may be present. Significant amounts of insect or disease symptoms may be present; the tree may be shaded or crowded in such a way that it has negatively impacted the lifespan of the tree. Tree appears to be in irreversible decline.

F. Dead or in spiral of decline – this tree exhibits very little to no signs of life.

Structure

A. Outstanding – Trees with outstanding structure for their species exhibit trunk and branch arrangement and orientation that result in a sturdy form or architecture that resists failure under normal circumstances. The spacing, orientation, and size of the branches relative to the trunk are quintessential for the species and free from defects. No outward sign of decay or pathological disease is present. Some trees exhibit naturally inherent branching defects, like multiple, narrow points of attachment from one point on the trunk, which would preclude them from achieving an “A” grade.

B. Above average - Trees with good to very good structure for their species. They exhibit trunk and branch arrangement and orientation that result in a relatively sturdy form or architecture that resists failure under normal circumstances, but may have some mechanical damage, over-pruning, or other minor structural defects. The spacing, orientation, and size of the branches relative to the trunk are still in the normal range for the species, but they exhibit a minor degree of defects. Minor, sub-critical levels of decay or pathological disease may be present, but the degree of damage is not yet structurally significant. Trees that exhibit naturally inherent branching defects, like multiple, narrow points of attachment from one point on the trunk, would generally fall into this category. A small percentage of the canopy may be shaded or crowded, but not in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree.

C. Average - Trees with moderately good structure for their species, but with obvious defects. They exhibit trunk and branch arrangement and orientation that result in a less than sturdy form or architecture, which reduces their resistance to failure under normal circumstances. Moderate levels of mechanical damage, over-pruning, or other structural defects may be present. The spacing, orientation, and size of some of the branches relative to the trunk are not in the normal range for the species. Moderate to significant levels of decay or pathological disease may be present that increase the likelihood of structural instability. Influences such as an excessive trunk lean, slope erosion, root pruning, or other growth-inhibiting factors may be present. A moderate to significant percentage of the canopy may be shaded or crowded in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree. Risk of full or partial failure in the near future appears to be moderately elevated.

D. Well Below Average/Poor - Trees poor structure for their species and with obvious defects. They exhibit trunk and branch arrangement and orientation that result in a significantly less than sturdy form or architecture, significantly reducing their resistance to failure under normal circumstances. Significant levels of mechanical damage, over-pruning, or other structural defects may be present. The spacing, orientation, and size of many of the branches relative to the trunk are not in the normal range for the species. Significant levels of decay or pathological disease may be present that increase the likelihood of structural instability. Influences such as an excessive trunk lean, slope erosion, root pruning, or other growth-inhibiting factors may be present. A significant percentage of the canopy may be shaded or crowded in such a way that it is expected to negatively impact the structural integrity or lifespan of the tree. Risk of full or partial failure in the near future appears to be advanced.

F. Severely Compromised – trees with very poor structure and numerous or severe defects due to growing conditions, historical or recent pruning, mechanical damage, history of limb or trunk failures, advanced and irreparable decay, disease, or severe fire damage. Trees with this rating are in severe, irreparable decline, or are barely alive. Risk of full or partial failures in the near future may be severe.

ARBORIST DISCLOSURE STATEMENT

Arborists are tree specialists who use their education, knowledge, training and experience to examine trees, recommend measures to enhance the beauty and health of trees, and attempt to reduce the risk of living near trees. Clients may choose to accept or disregard the recommendations of the arborist, or to seek additional advice.

Arborists cannot detect every condition that could possibly lead to the structural failure of a tree. Trees are living organisms that fail in ways we do not fully understand. Conditions are often hidden within trees and below ground. Arborists cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specified period of time. Likewise, remedial treatments, like any medicine, cannot be guaranteed.

Treatment, pruning and removal of trees may involve considerations beyond the scope of the arborist's services such as property boundaries, property ownership, site lines, disputes between neighbors, and other issues. Arborists cannot take such considerations into account unless complete and accurate information is disclosed to the arborist. An arborist should then be expected to reasonably rely upon the completeness and accuracy of the information provided.

Trees contribute greatly to our enjoyment and appreciation of life. Nonetheless, they are subject to the laws of gravity and physiological decline. Therefore, neither arborists nor tree owners can be reasonably expected to warrant unfailing predictability or elimination of risk.

Trees can be managed, but they cannot be controlled. To live near trees is to accept some degree of risk. The only way to eliminate all risk associated with trees is to eliminate all trees.

Risk assessments were neither requested nor performed on any of the trees for this project.

CY CARLBERG
CARLBERG ASSOCIATES
828 Fifth Street, Suite 3 • Santa Monica • California • 90403
cy@cycarlberg.com • o: 310.451.4804 • www.cycarlberg.com

Education — B.S., Landscape Architecture, California State Polytechnic University, Pomona, 1985
Graduate, Arboricultural Consulting Academy, American Society of Consulting Arborists, Chicago, Illinois, February 2002
Graduate, Municipal Forestry Institute, Lied, Nebraska, 2012

Experience — Consulting Arborist, Carlberg Associates, 1998-present
Manager of Grounds Services, California Institute of Technology, Pasadena, 1992-1998
Director of Grounds, Scripps College, Claremont, 1988-1992

Certificates — Certified Arborist (#WE-0575A), International Society of Arboriculture, 1990
Registered Consulting Arborist (#405), American Society of Consulting Arborists, 2002
Certified Urban Forester (#013), California Urban Forests Council, 2004
Qualified Tree Risk Assessor, International Society of Arboriculture, 2011

AREAS OF EXPERTISE

Ms. Carlberg is experienced in the following areas of tree management and preservation:

- Tree health and risk assessment
- Master Planning
- Historic landscape assessments, preservation plans, reports
- Tree inventories and reports to satisfy jurisdictional requirements
- Expert Testimony
- Post-fire assessment, valuation, and mitigation for trees and native plant communities
- Value assessments for native and non-native trees
- Pest and disease identification
- Guidelines for oak preservation
- Selection of appropriate tree species
- Planting, pruning, and maintenance specifications
- Tree and landscape resource mapping – GPS, GIS, and AutoCAD
- Planning Commission, City Council, and community meetings representation

PREVIOUS CONSULTING EXPERIENCE

Ms. Carlberg has overseen residential and commercial construction projects to prevent damage to protected and specimen trees. She has thirty-five years of experience in arboriculture and horticulture and has performed tree health evaluation, value and risk assessment, and expert testimony for private clients, government agencies, cities, school districts, and colleges. Representative clients include:

The Huntington Library and Botanical Gardens
The Los Angeles Zoo and Botanical Gardens
The Rose Bowl and Brookside Golf Course, Pasadena
Walt Disney Concert Hall and Gardens
The Art Center College of Design, Pasadena
Pepperdine University
Loyola Marymount University
The Claremont Colleges (Pomona, Scripps, CMC, Harvey Mudd, Claremont Graduate University, Pitzer, Claremont University Center)
Quinn, Emanuel, Urquhart and Sullivan (attorneys at law)
Getty Trust – Eames House
Historic Resources Group
The City of Claremont
The City of Beverly Hills
The City of Pasadena
The City of Los Angeles
The City of Santa Monica
Santa Monica/Malibu Unified School District
San Diego Gas & Electric
Los Angeles Department of Water and Power
Rancho Santa Ana Botanic Garden, Claremont
Latham & Watkins, LLP (attorneys at law)
Architectural Resources Group
AHBE Landscape Architects
Moule and Polyzoides, Architects and Urbanists

AFFILIATIONS

Ms. Carlberg serves with the following national, state, and community professional organizations:

- California Urban Forests Council, Board Member, 1995-2006
- Street Tree Seminar, Past President, 2000-present
- American Society of Consulting Arborists Academy, Faculty Member, 2003-2005; 2014
- American Society of Consulting Arborists, Board of Directors, 2013-2015
- Member, Los Angeles Oak Woodland Habitat Conservation Strategic Alliance, 2010-present

Appendix C. 49th Street Elementary School Historical Resources Evaluation Report

Appendices

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49th Street Elementary School Historic Resources Evaluation Report

HISTORIC RESOURCES GROUP

PREPARED FOR

Los Angeles Unified School District
Office of Environmental Health & Safety
333 South Beaudry Avenue, 21st Floor
Los Angeles, CA 90017

49th Street Elementary School Historic Resources Evaluation Report

HISTORIC RESOURCES GROUP

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3 **2.0** Introduction

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APPENDICES

Appendix A: DPR 523 Series Forms

49th Street Elementary School Historic Resources Evaluation Report

HISTORIC RESOURCES GROUP

1.0 EXECUTIVE SUMMARY

At the request of the Los Angeles Unified School District (LAUSD), Historic Resources Group (HRG) has evaluated 49th Street Elementary School located at 750 E. 49th Street in the City of Los Angeles, California for potential historic significance. This historic assessment analyzes the property's eligibility for listing in the National Register of Historic Places (National Register), California Register of Historical Resources (California Register), and for designation as a City of Los Angeles Historic-Cultural Monument (HCM). The school is located in the Southeast Los Angeles Community Plan Area (CPA) and was previously identified as eligible for listing in the California Register of Historical Resources (California Register) and for designation as a City of Los Angeles Historic-Cultural Monument (HCM).

49th Street Elementary School is re-evaluated in this report based on an observation of existing conditions on the property, primary and secondary source research related to the history of the property, review of the relevant historic contexts, and an analysis under the eligibility criteria and integrity thresholds for listing in the National Register of Historic Places (National Register), the California Register, and as a City of Los Angeles HCM. A site visit was conducted on March 17, 2022.

HRG has identified a potential historic district at the 49th Street Elementary School that is eligible for listing in the National Register, California Register, and as a City of Los Angeles HCM. The potential historic district consists of four (4) contributing buildings and three (3) contributing sheltered corridors with a period of significance from 1935 to 1936. Contributors to the potential historic district are the West Building, Main Building, South Building, Auditorium Building, and sheltered corridors #1, #2, and #3.

1.1 Project Team

Research, field inspection, and analysis were performed by Alexandra Madsen, Senior Architectural Historian; Christine Lazzaretto, Principal; and Ani Mnatsakanyan, Associate Architectural Historian. Additional assistance was provided by Molly Iker-Johnson, Architectural Historian, and Robby Aranguren, Planning Associate. All preparers are qualified professionals who meet the *Secretary of the Interior's Professional Qualification Standards* in their respective fields.

1.2 Methodology

This report was prepared using primary and secondary sources related to the history and development of the City of Los Angeles, the Los Angeles Unified School District (LAUSD), and 49th Street Elementary School.

Documents that were consulted include: historical photographs and aerial images; historical building plans; Sanborn Fire Insurance maps; historic context statements; local histories; The Built Environment Resource Directory (BERD), and the California State Historic Resources Inventory, Los Angeles County. Additionally, past surveys of the school were consulted, including the 2001-2004 historic survey and historic context statement prepared by Science

Applications International Corporation and the 2014 historic survey and historic context statement prepared by Sapphos Environmental, Inc.

2.0 INTRODUCTION

2.1 Site Location and Description

The 49th Street Elementary School is located at 750 E. 49th Street in Los Angeles, California.[1] The school occupies a 5.7-acre rectangular site comprised of two parcels (Assessor's Parcel Numbers [APNs] 5108-011-909 and 5108-011-910).

The property is located in the Southeast Los Angeles Community Plan Area (CPA) of the City of Los Angeles. It is bounded by E. 49th Street to the north, McKinley Avenue to the east, E. 50th Street to the south, and single-family and multi-family residences to the west. The site is relatively flat. The location of the campus is shown below in Figure 1.

2.2 Current Historic Status

49th Street Elementary School has previously been evaluated by various LAUSD historic surveys. Between 2001 and 2004, Science Applications International Corporation (SAIC), with funding from the Getty Research Institute completed a historic resources survey of LAUSD schools. This survey identified the 49th Street Elementary School as eligible for listing in the California Register and for designation as a City of Los Angeles HCM (3CS Status Code).[2] The 2014 survey of LAUSD schools by Sapphos Environmental, Inc. adopted these findings.[3]

The California Office of Historic Preservation (OHP) maintains the Built Environment Resources Directory (BERD), a database of previously evaluated resources throughout the state. The BERD contains information for cultural resources that have been processed through OHP. This includes resources reviewed for eligibility for the National Register of Historic Places and the California Historical Landmarks program through federal and state environmental compliance laws, and resources nominated under federal and state registration programs. 49TH Street Elementary School is not identified in the BERD as a potential historic property.

[1] An additional address that has been historically associated with the school is 4917 McKinley Avenue.
[2] Science Applications International Corporation, *Preliminary Historic Resources Survey of the Los Angeles Unified School District,* prepared for the Los Angeles Unified School District, Facilities Services Division (Pasadena, CA: June 2002); Science Applications International Corporation, *Historic Context Statement: Los Angeles Unified School District,* prepared for Los Angeles Unified School District (Pasadena, CA: March 2002).
[3] Sapphos Environmental, Inc., *Los Angeles Unified School District Historic Context Statement,* Prepared for the Los Angeles Unified School District, March 201

Figure 1. Location Map



49th Street Elementary School
Historic Resources Evaluation Report

HISTORIC RESOURCES GROUP

2.3 Regulatory Framework

Historical Resources under CEQA

The California Environmental Quality Act (CEQA) is the principal statute governing environmental review of projects occurring in the state and is codified in Public Resources Code (PRC) Section 21000 et seq. CEQA requires lead agencies to determine if a proposed project would have a significant effect on the environment, including significant effects on historical or unique archaeological resources. Under CEQA Section 21084.1, a project that may cause a substantial adverse change in the significance of a historical resource is a project that may have a significant effect on the environment.

CEQA Guidelines Section 15064.5 recognizes that historical resources include: (1) resources listed in, or determined to be eligible by the State Historical Resources Commission, for listing in the California Register of Historical Resources; (2) resources included in a local register of historical resources, as defined in PRC Section 5020.1(k) or identified as significant in a historical resource survey meeting the requirements of PRC Section 5024.1(g); and (3) any objects, buildings, structures, sites, areas, places, records, or manuscripts which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California by the lead agency, provided the lead agency's determination is supported by substantial evidence in light of the whole record.

Historic Designations

Historical and cultural resources fall within the jurisdiction of several levels of government. The framework for the identification and, in certain instances, protection of cultural resources is established at the federal level, while the identification, documentation, and protection of such resources are often undertaken by state and local governments. As described below, the principal federal, State, and local laws governing and influencing the preservation of historical resources of national, State, regional, and local significance include:

- The National Historic Preservation Act of 1966, as amended;
- The Secretary of the Interior's Standards for the Treatment of Historic Properties (Secretary's Standards);
- The California Environmental Quality Act (CEQA);
- The California Register of Historical Resources (California Register);
- The California Public Resources Code;
- The City of Los Angeles General Plan;
- The City of Los Angeles Cultural Heritage Ordinance (Los Angeles Administrative Code, Section 22.171);
- The City of Los Angeles Historic Preservation Overlay Zone Ordinance (Los Angeles Municipal Code [LAMC], Section 12.20.3); and
- The City of Los Angeles Historic Resources Survey (SurveyLA).

National Register of Historic Places

The National Historic Preservation Act of 1966 established the National Register of Historic Places (National Register) as "an authoritative guide to be used by federal, state, and local governments, private groups and citizens to identify the Nation's historic resources and to indicate what properties should be considered for protection from destruction or impairment."[4] The National Register recognizes a broad range of historical and cultural resources that are significant at the national, state, and local levels and can include districts, buildings, structures, objects, prehistoric archaeological sites, historic-period archaeological sites, traditional cultural properties, and cultural landscapes.[5] Within the National Register, approximately 2,500 (3 percent) of the more than 90,000 districts, buildings, structures, objects, and sites are recognized as National Historic Landmarks or National Historic Landmark Districts as possessing exceptional national significance in American history and culture.[6]

Whereas individual historic properties derive their significance from one or more of the criteria discussed in the subsequent section, a historic district derives its importance from being a unified entity, even though it is often composed of a variety of resources. With a historic district, the historic resource is the district itself. The identity of a district results from the interrelationship of its resources, which can be an arrangement of historically or functionally related properties.[7] A district is defined as a geographic area of land containing a significant concentration of buildings, sites, structures, or objects united by historic events, architecture, aesthetic, character, and/or physical development. A district's significance and historic integrity determine its boundaries.

A resource that is listed in or eligible for listing in the National Register is considered "historic property" under Section 106 of the National Historic Preservation Act.

Criteria

To be eligible for listing in the National Register, a resource must be at least 50 years of age, unless it is of exceptional importance as defined in Title 36 CFR, Part 60, Section 60.4(g). In addition, a resource must be significant in American history, architecture, archaeology, engineering, or culture. Four criteria for evaluation have been established to determine the significance of a resource. Resources can be considered significant if they:

A. Are associated with events that have made a significant contribution to the broad patterns of our history;

B. Are associated with the lives of persons significant in our past;

[4] 36 Code of Federal Regulations (CFR) 60.
[5] The identification of archaeological sites and traditional cultural properties is outside the scope of this report.
[6] United States Department of the Interior, National Park Service, National Historic Landmarks Frequently Asked Questions. https://www.nps.gov/subjects/nationalhistoriclandmarks/faqs.htm. Accessed October 20, 2021.
[7] United States Department of the Interior, National Register Bulletin #15: How to Apply the National Register Criteria for Evaluation, 1997, page 5.

C. Embody the distinctive characteristics of a type, period, or method of construction or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or

D. Have yielded, or may be likely to yield, information important in prehistory or history.[8]

Context

To be eligible for listing in the National Register, a property must be significant within a historic context. National Register Bulletin #15 states that the significance of a historic property can be judged only when it is evaluated within its historic context. Historic contexts are "those patterns, themes, or trends in history by which a specific...property or site is understood and its meaning... is made clear."[9] A property must represent an important aspect of the area's history or prehistory and possess the requisite integrity to qualify for the National Register.

Integrity

In addition to meeting one or more of the criteria of significance, a property must have integrity, which is defined as "the ability of a property to convey its significance."[10] The National Register recognizes seven qualities that, in various combinations, define integrity. The seven factors that define integrity are location, design, setting, materials, workmanship, feeling, and association. To retain historic integrity a property must possess several, and usually most, of these seven aspects. Thus, the retention of the specific aspects of integrity is paramount for a property to convey its significance. In general, the National Register has a higher integrity threshold than State or local registers.

The National Register recognizes seven aspects or qualities that comprise integrity: location, design, setting, materials, workmanship, feeling, and association. These qualities are defined as follows:

- *Location* is the place where the historic property was constructed or the place where the historic event took place.
- *Design* is the combination of elements that create the form, plan, space, structure, and style of a property.
- *Setting* is the physical environment of a historic property.
- *Materials* are the physical elements that were combined or deposited during a particular period of time and in a particular pattern or configuration to form a historic property.

[8] United States Department of the Interior, National Register Bulletin #15: How to Apply the National Register Criteria for Evaluation, 1997, page 8. Criterion D typically applies to potential archaeological resources, which is outside the scope of this report.
[9] United States Department of the Interior, National Register Bulletin #15: How to Apply the National Register Criteria for Evaluation, 1997, pages 7 and 8.
[10] United States Department of the Interior, National Register Bulletin #15: How to Apply the National Register Criteria for Evaluation, 1997, page 44.

- *Workmanship* is the physical evidence of the crafts of a particular culture or people during any given period in history or prehistory.
- *Feeling* is a property's expression of the aesthetic or historic sense of a particular period of time.
- *Association* is the direct link between an important historic event or person and a historic property.[11]

California Register of Historical Resources

The California Register of Historical Resources (California Register) is "an authoritative listing and guide to be used by State and local agencies, private groups, and citizens in identifying the existing historical resources of the State and to indicate which resources deserve to be protected, to the extent prudent and feasible, from substantial adverse change."[12] The California Register was enacted in 1992, and its regulations became official on January 1, 1998. The California Register is administered by the California Office of Historic Preservation (OHP). The criteria for eligibility for the California Register are based upon National Register criteria.[13] Certain resources are determined to be automatically included in the California Register, including California properties formally determined eligible for, or listed in, the National Register. To be eligible for the California Register, a prehistoric or historic-period property must be significant at the local, State, and/or federal level under one or more of the following four criteria:

1. It is associated with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States; or
2. It is associated with the lives of persons important to local, California or national history; or
3. It embodies the distinctive characteristics of a type, period, region or method of construction or represents the work of a master or possesses high artistic values; or
4. It has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California or the nation.[14]

A resource eligible for the California Register must meet one of the criteria of significance described above and retain enough of its historic character or appearance (integrity) to be recognizable as a historical resource and to convey the reason for its significance. It is possible that a historic resource may not retain sufficient integrity to meet the criteria for listing in the National Register, but it may still be eligible for listing in the California Register.

[11] U.S. Department of the Interior, *National Register Bulletin 15: How to Apply the National Register Criteria for Evaluation* (Washington D.C.: National Park Service, 1995), pages 44-45.
[12] California Public Resources Code, Section 5024.1[a].
[13] California Public Resources Code, Section 5024.1[b].
[14] Criterion 4 addresses potential archaeological resources, which is outside the scope of this assessment.

Additionally, the California Register consists of resources that are listed automatically and those that must be nominated through an application and public hearing process. The California Register automatically includes the following:

- California properties listed on the National Register and those formally determined eligible for the National Register;
- California Registered Historical Landmarks from No. 770 onward; and,
- Those California Points of Historical Interest that have been evaluated by the State Office of Historic Preservation (OHP) and have been recommended to the State Historical Resources Commission for inclusion on the California Register.

Other resources that may be nominated to the California Register include:

- Historical resources with a significance rating of Category 3 through 5 (those properties identified as eligible for listing in the National Register, the California Register, and/or a local jurisdiction register);
- Individual historical resources;
- Historic districts; and,
- Historical resources designated or listed as local landmarks, or designated under any local ordinance, such as an historic preservation overlay zone.

City of Los Angeles Historic-Cultural Monuments

The Los Angeles City Council adopted the Cultural Heritage Ordinance in 1962 and most recently amended it in 2018 (Sections 22.171 et seq. of the Administrative Code). The Ordinance created a Cultural Heritage Commission (CHC) and criteria for designating a Historic-Cultural Monument (HCM). The CHC is comprised of five citizens, appointed by the Mayor, who have exhibited knowledge of Los Angeles history, culture, and architecture. The City of Los Angeles Cultural Heritage Ordinance states that an HCM designation is reserved for those resources that have a special aesthetic, architectural, or engineering interest or value of a historic nature and meet one of the following criteria:

1. The proposed HCM is identified with important events of national, state, or local history, or exemplifies significant contributions to the broad cultural, economic or social history of the nation, state, city or community;
2. The proposed HCM is associated with the lives of historic personages important to national, state, city, or local history; or
3. The proposed HCM embodies the distinctive characteristics of a style, type, period, or method of construction; or represents a notable work of a master designer, builder, or architect whose individual genius influenced his or her age.[15]

[15] City of Los Angeles, Los Angeles Administrative Code, Section 22.171.7.

Unlike the National and California Registers, the Cultural Heritage Ordinance makes no mention of concepts such as physical integrity or period of significance. However, in practice, the seven aspects of integrity from the National Register and California Register are applied similarly and the threshold of integrity for individual eligibility is similar. It is common for the CHC to consider alterations to nominated properties in making its recommendations on designations. Moreover, properties do not have to reach a minimum age requirement, such as 50 years, to be designated as HCMs.

In addition, the LAMC Section 91.106.4.5 states that the Los Angeles Department of Building and Safety "shall not issue a permit to demolish, alter or remove a building or structure of historical, archaeological or architectural consequence if such building or structure has been officially designated, or has been determined by state or federal action to be eligible for designation, on the National Register of Historic Places, or has been included on the City of Los Angeles list of HCMs, without the department having first determined whether the demolition, alteration or removal may result in the loss of or serious damage to a significant historical or cultural asset. If the department determines that such loss or damage may occur, the applicant shall file an application and pay all fees for the CEQA Initial Study and Check List, as specified in Section 19.05 of the LAMC. If the Initial Study and Check List identifies the historical or cultural asset as significant, the permit shall not be issued without the department first finding that specific economic, social or other considerations make infeasible the preservation of the building or structure."[16]

[16] City of Los Angeles, Los Angeles Municipal Code, Section 91.106.4.5.1.

3.0 CAMPUS SITE DESCRIPTION AND HISTORY

3.1 Exterior Architectural Description

The 49th Street Elementary School campus occupies approximately 5.7 acres. The campus is bounded to the north by East 49th Street, to the east by McKinley Avenue, to the south by East 50th Street, and to the west by single-family residences. The school campus is occupied by five (5) permanent buildings, one (1) permanent structure, four (4) sheltered corridors, and various open spaces. There is one (1) portable building, the Mechanical Shed.

The buildings are clustered along the northern, eastern, and southern boundaries of the campus, forming a "U" shape around a central play yard. Most of the campus consists of play yards and parking areas paved in asphaltic concrete and surrounded by chain link fencing. Landscaping is limited to lawns, shrubs, some trees in narrow setbacks along the three street frontages, and scattered trees in the play yards. The school is currently accessed via a pedestrian entrance on the north side of the Administration, Library & Classroom Building along E. 49th Street.

Existing buildings and features are listed below and are summarized in Table 1 ("Existing Conditions"). The names and function of some campus buildings have changed and evolved over the years. To avoid confusion, whenever possible, the buildings discussed in this report have been keyed to the official building naming system of 49th Street Elementary School. A map of the campus is provided below (Figure 2). Following this figure is an architectural description of each building and feature.

Figure 2. Site Map



49th Street Elementary School Historic Resources Evaluation Report

HISTORIC RESOURCES GROUP

Administration, Library, and Classroom Building/Classroom Building

The Administration, Library, and Classroom Building was constructed in 1965; an addition, known as the Classroom Building, was constructed in 1969. Together they form a two-story building with a rectangular plan and a one-story projection on the north façade. It has complex massing and asymmetrical composition. The two-story volume has a low-pitched hipped roof with plaster eave soffits and a canted fascia; the one-story volume has an asymmetrical front gable roof with open eaves and overhanging rakes. The exterior walls are finished in brick veneer, scored concrete, and textured cement plaster. Fenestration consists primarily of ribbons of four-light fixed and two-over-two double-hung aluminum sash windows at the east portion of the building; and high ribbon windows on the west portion. The primary entrance is asymmetrically located on the north (primary) façade and consists of a pair of partially glazed, divided light doors with sidelights and transom light, accessed by a projecting porch. There is an exterior metal staircase on the west façade with guardrails of metal mesh and metal pipe.



North Façade



North Façades



South and East Façades



South Façade



West and South Façades



West Façade Staircase

West Building

The West Building was constructed in 1923 and altered in 1935. It is a one-story building with a roughly "L"-shaped plan, simple massing, and asymmetrical composition. It has a flat roof with a low parapet. The exterior walls are finished in textured cement plaster and articulated with continuous header and sill courses. Fenestration consists primarily of three-over-three wood sash double hung windows in single or coupled configurations, some with transom panels and others with projecting subsills. The primary entrance is asymmetrically located on the south façade and consists of a pair of flush doors with a six-light transom light; the doors are accessed by a wide concrete stoop and steps with a shaped plastered parapet. Two secondary entrances on the south façade consist of flush doors with metal canopies, accessed by a concrete ramp and steps with metal pipe guardrails.

The interior of the West Building is divided into several spaces. Most classrooms are accessible via a central hallway. Two additional rooms, a classroom and kitchen, are accessible via the concrete ramp along the primary façade. The building's interior has tile flooring, plaster walls, and acoustical tile ceilings. It has flush wood doors with flat wood casings and baseboards; some doors have flush wood transom panels. The kitchen/staff room features wood cabinets.



North and East Façades



South Façade



South Façade and Sheltered Corridor



South and West Façades



Detail, double-hung wood windows



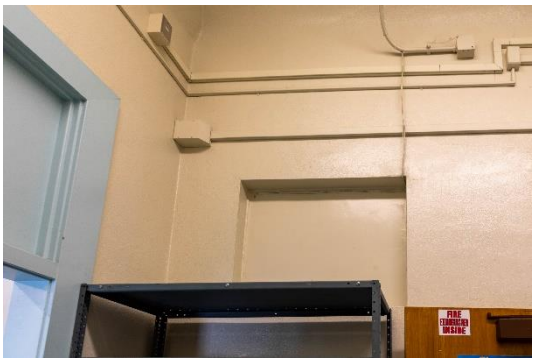
Detail of Window surrounds



Main Hallway



Curved Ceiling



Transom Panels



Kitchen

Main Building

The Main Building was designed by architect Harry C. Deckbar and constructed in 1935. It is a PWA Moderne style one-story building with a rectangular plan, balanced but not strictly symmetrical composition, and complex massing consisting of a central volume flanked by wings. The central volume has a moderately pitched side gable roof with asphalt composition shingle roofing and a continuous eave cornice; the flanking wings have flat roofs with built-up roofing. The exterior walls are finished in textured cement plaster and articulated with continuous header and sill courses. The east (primary) façade of the central volume is framed with stylized fluted pilasters. Fenestration consists primarily of horizontal groupings of six-over-six and eight-over-eight double hung wood sash windows; some window openings are infilled with solid panels. The primary entrance, now blocked features some Neoclassical elements, is symmetrically located on the east façade of the central block and consists of solid panels in the configuration of doors with sidelights and transom lights, with reeded jambs and a stylized architrave. It is recessed under a pedimented gable supported on stylized fluted pilasters and flanked by wood posts. The entrance is accessed by a wide flight of concrete steps with parastedes and balustrades. There is a secondary entrance on the north façade, consisting of a pair of flush doors in a rectangular recess flanked by stylized fluted pilasters and accessed by concrete steps with parastedes.

The interior of the Main Building features a central hallway that opens to classrooms. The building has resilient tile floors, plaster walls, and acoustical tile ceilings. It has wood baseboards and casings. Most interior doors in this building feature transom panels. A wood trophy case is located in the hallway.



East Façade



Detail of East Façade



North and East Façades



North Façade



South and West Façades



Detail of Roof and Chimney, West Façade



Transom Panels and Doors Surrounds in Hallway



Trophy Case in Hallway

South Building

The South Building was designed by architect Harry C. Deckbar and constructed in 1935. It is a one-story PWA Moderne style building with a rectangular plan, simple massing, and a flat roof with a low parapet and metal coping. The exterior walls are finished in textured cement plaster and articulated with continuous header and sill courses. Fenestration consists primarily of horizontal groupings of six-over-six double hung wood sash windows; some window openings are infilled with solid panels. The east façade is symmetrically composed around the primary entrance, which consists of a pair of flush doors with a divided-light transom light in a rectangular recess flanked by stylized reeded pilasters. The entrance is accessed by a flight of concrete steps with concrete parastedes.

The interior of the South Building features a central hallway that opens to classrooms. It has wood and resilient tile floors, plaster walls, and acoustical tile ceilings. It has wood cabinets, radiators, and ceramic water fountains.



South and East Façades



South Façade



North Façade



Primary Entrance on East Façade



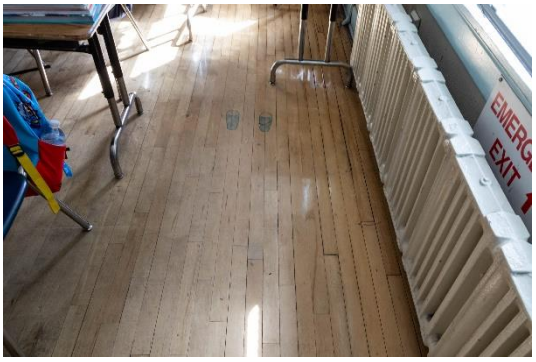
Transom Panels and Doors Surrounds in Hallway



Baseboards in Hallway



Wood Cabinets



Radiators and Wood Floors in Classroom

Auditorium Building

The Auditorium Building was designed by architect Harry C. Deckbar and constructed in 1936. It is a PWA Moderne style one-story building with a rectangular plan, simple massing, and symmetrical composition and a bow truss roof. The exterior walls are finished in textured cement plaster and articulated with piers and a continuous stringcourse and sill course; the corners are highlighted with wide, channeled piers. Fenestration consists primarily of six-over-six double hung wood sash windows. The primary entrance is symmetrically located on the south façade and consists of a pair of flush doors with a transom panel and architrave, in a rectangular recess framed by stylized fluted pilasters supporting a pediment. The entrance is accessed by a concrete staircase flanked with parastedes and curvilinear metal pipe railings. Secondary entrances on the east and west façades consist of flush doors with metal hoods, accessed by concrete steps with metal pipe guardrails.

The interior of the Auditorium Building features an open auditorium space with a restroom set behind the stage. The building has a raked floor with resilient tile flooring, acoustical tile ceiling, and fixed seating. The walls are plaster with a wood baseboard, beaded dado rail, and plaster entablature. The stage has a proscenium framed with fluted pilasters supporting a stylized entablature.



South Façade



East and North Façades



North and West Façades



Primary Entrance on South Façade



Auditorium Seating



Central Stage with Wood Floor and Detailing



Fluted Pilaster around Stage



Rounded Band Along Walls



Detail of Walls



Industrial Fire Door

Cafeteria/Lunch Pavilion

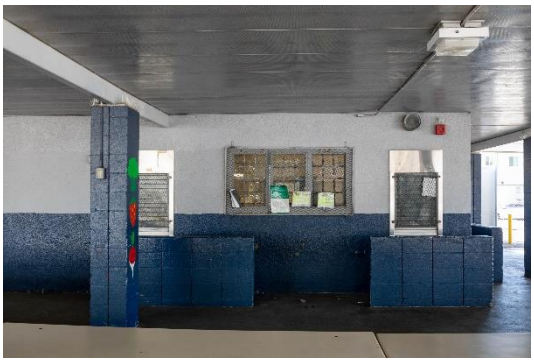
The Cafeteria/Lunch Pavilion was constructed in 1969. It is a one-story building with an irregular plan, complex massing and asymmetrical composition. It is composed of two distinct parts: a kitchen with an L-shaped plan, shed roofs with boxed eaves and rakes, and exterior walls finished in cement plaster; and an open-sided shelter wrapping the north and west sides of the kitchen, with a flat roof supported on wood beams, concrete masonry columns and tube steel posts. The entrance consists of a flush door. Fenestration consists of a grouping of three windows with metal security screening, and service windows with metal roll-up shutters and metal security screens.



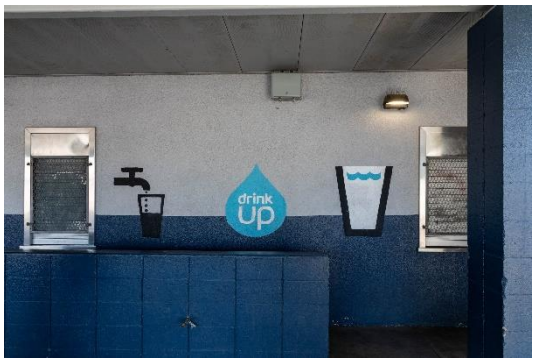
North Façade



South and East Façades



North Façade



Lunch Counter and Water Fountains

Sheltered Corridors (4)

There are four sheltered corridors on the campus, which connect separate buildings. Two elevated sheltered corridors from the 1930s (#1 and #2) connect the Main Building to the West and South Buildings. They have flat roofs with plaster soffits, wood beams with scalloped friezes, wood posts, scored concrete paving, and metal pipe guardrails. A third sheltered corridor dating from the 1930s (#3) connects the South Building to the Auditorium Building. It has a flat roof with plaster fascias and soffit supported on paired metal pipe columns, on concrete curbs with metal pipe guardrails. A fourth sheltered corridor (#4) dates from the 1960s and connects the Auditorium Building to the Lunch Pavilion; it has a flat roof supported on square steel tube posts.



1930s Sheltered Corridor (#1)



1930s Sheltered Corridor (#2)



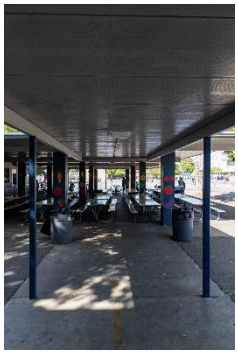
Detail, Sheltered Corridor (#2)



Detail, Sheltered Corridor (#2)



1930s Sheltered Corridor (#3)



1960s Sheltered Corridor (#4)

3.3 Site History and Construction Chronology

The 49th Street Elementary School is situated in the Southeast neighborhood of Los Angeles. Prior to the development of the school, the block that comprises the school campus was developed with single-family residences. The first construction phase of 49th Street Elementary School was completed in the early 1910s, and the school was dedicated in 1914. The school campus was designed by Frank K. Krucker and Harry C. Deckbar of Krucker and Deckbar.[17]

At the time of its dedication, the *San Pedro Pilot* recorded that 49th Street Elementary School was "said to be the latest and best in school buildings in the entire city."[18] The campus initially consisted of one main building located near McKinley Avenue and two smaller classrooms near the west side of the lot.[19] A photograph from the period shows the 2-story masonry building that was constructed in 1913. In 1923, a single two-story brick building (West Building) was also built on the site.



Original 49th Street Elementary School Main Building, c.1913 (*Los Angeles Public Library*)

The 1933 Long Beach earthquake, and then the 1934 Field Act, hastened the need for widespread school repairs and new construction, which accelerated the stylistic shift during this period.[20] Following the Long Beach Earthquake of 1933, the Los Angeles Unified School District decided to modernize the 49th Street campus.

As a result, the original main building on the campus was demolished.[21] As recorded in the *Illustrated Daily News,* "excellent brick and steel construction now being demolished and none of which failed, but many tons of ornamental concrete fell to the ground."[22]

[17] "Krucker & Deckbar," *Los Angeles Times,* January 1, 1914.
[18] *The San Pedro Pilot,* March 22, 1913.
[19] "Los Angeles," volume 4, sheet 460, Sanborn Fire Insurance Map.
[20] Sapphos Environmental, Inc., *Los Angeles Unified School District Historic Context Statement,* 121.
[21] City of Los Angeles building permit LA14989, issued November 5, 1934.
[22] "No Bolts in Iron," *Illustrated Daily News,* May 3, 1935.



Aerial View of 49th Street Elementary School and Vicinity, 1927 (*UCSB FrameFinder*)

While new buildings were under construction, classes were temporarily held in tents on the campus grounds.[23] The only building that was retained and retrofitted following the Long Beach Earthquake was the West Building, which is located in the northeastern region of the campus.

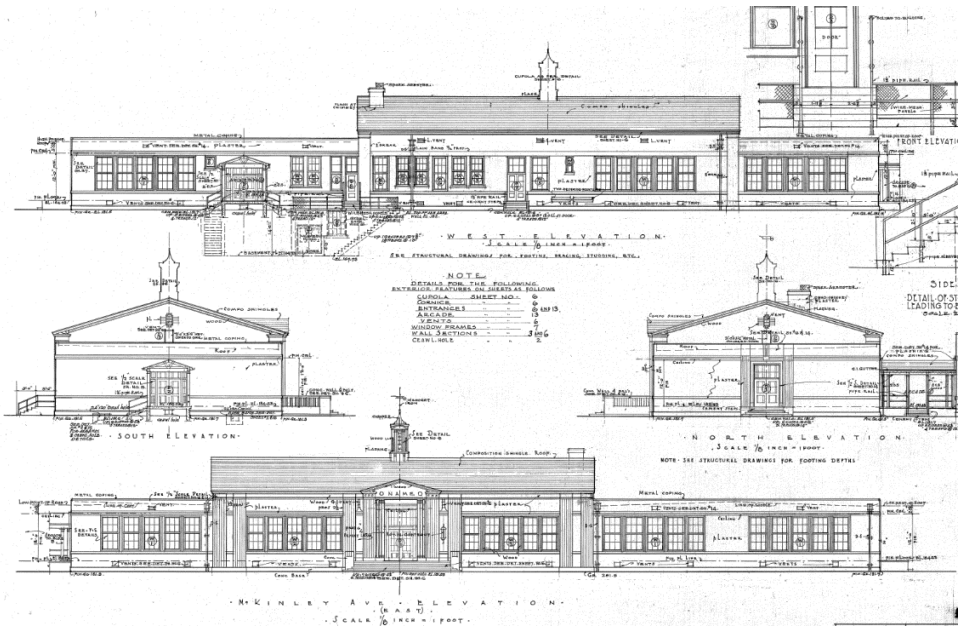


Students at 49th Street Elementary School Attending Classes in Temporary Tents, 1934 (*Los Angeles Public Library*)

Between 1933 and 1935, the school district spent approximately $2 million in rehabilitating schools in South Los Angeles, including 49th Street Elementary School.[24] The 49th Street

[23] "Three L.A. Schools Will Reopen Today," *Illustrated Daily News,* March 30, 1933.
[24] "Two Million Spent for Schools Locally," *The Southwest Wave,* December 31, 1935.

Elementary School received over $109,000, which was allotted for the construction of two new buildings (Main Building and South Building) and the reconstruction of a one-story school building (West Building). Work was completed by architect Harry C. Deckbar and contractors Johnson & Dahlquist.[25] The Main Building and South Building are both single-story wood frame buildings with concrete foundations and cement plaster exteriors. Deckbar also redesigned the West Building. Originally a two-story building, the West Building's second story was removed, and the building was reclad with cement plaster exteriors to match the design of the Main Building and South Building.



Building Plans for the Main Building, 1935 (*LAUSD*)

In 1936, Deckbar also designed the school's 1-story Auditorium Building. Unlike the other new buildings on the site, which were of wood frame construction, the Auditorium Building was of reinforced concrete and steel construction.[26] Harold A. Nelson served as the structural engineer and Brunzell & Jacobson served as the general contractors.[27]

A cafeteria building was also constructed at this time near the South Building; this cafeteria is no longer extant. All buildings designed by Deckbar were completed in the PWA Moderne style of architecture with some Neoclassical elements.

[25] "New Work Projects Scheduled," *The Los Angeles Times*, April 28, 1935.
[26] City of Los Angeles building permit LA13633, issued June 1936.
[27] "For Auditorium," *Los Angeles Times*, June 14, 1936.

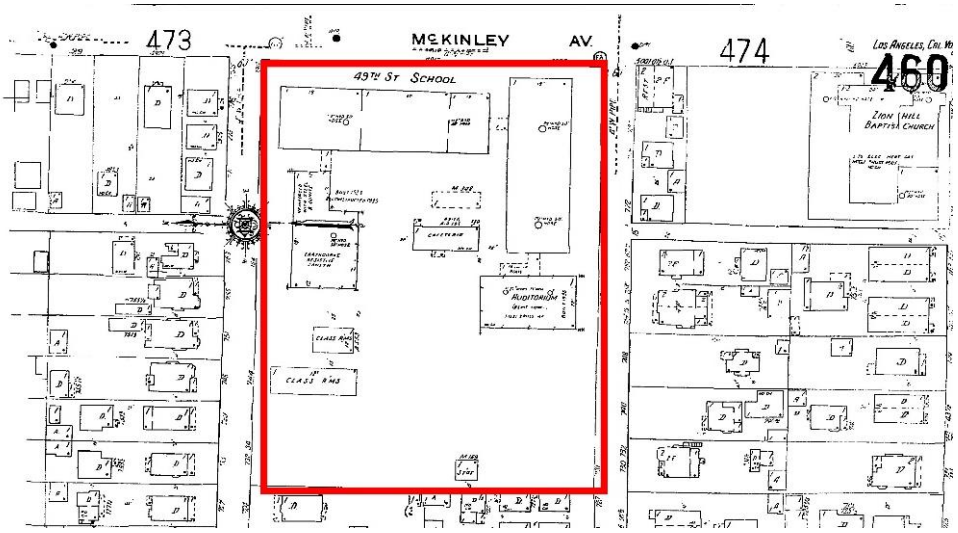


PWA Moderne-style Main Building, 1935 (*Los Angeles Public Library*)

The school underwent some alterations in the 1950s. In 1950, a permit was issued to repair the school's storage shed, located at the west end of the parcel, to conform to code.[28] Simultaneously, a separate permit was issued for a 1-story building for temporary classrooms, which was located to the west of the West Building along 49th Street.[29] The repair work and temporary classrooms were designed by architect E.R.C. Billerbeck (not extant).

In the 1950s and 1960s, several additional classroom buildings were constructed on site. In 1952, a new 2-room classroom building was built, designed by A.B. Niebecker, Jr (not extant).[30] In 1960, architect Kenneth N. Bergstrom designed a larger classroom building, constructed by Carter Mack Building Inc. for the school (not extant). Both of these buildings were demolished in the late 1960s. These non-extant buildings are visible in a Sanborn Fire Insurance Map from 1950.

[28] City of Los Angeles building permit LA02875, issued January 1950.
[29] City of Los Angeles building permit LA02799, issued January 1950.
[30] City of Los Angeles building permit LA49097, issued September 10, 1952.



Sanborn Fire Insurance Map of Campus, Volume 4, Sheet 460, 1922-1950 (*Los Angeles Public Library*)

The Administration, Library & Classroom building was designed by Kent Attridge & Associates in 1965. In 1969, an addition was added to the west of the building (Classroom Building), designed by Harold L. Williams & Associates. Williams also designed the new Cafeteria/Lunch Pavilion that same year. The Administration, Library & Classroom Building/Classroom Building comprise a single building, but where they are joined is visually distinctive from the interior. The building is visible in an historical aerial photograph from 1971. In 1969, over 1,000 parents and community residents toured the new classrooms, school facilities, and newly completed 2-story annex building at the 49th Street Elementary School.[31]



Historical Aerial Photograph of 49th Street Elementary School, 1971 (*UCSB FrameFinder*)

In 1972, several buildings on campus were renamed in honor of black Americans during "Negro History Week." The theme of the program was "cementing Black greatness in the

[31] "Students Host Open House School Visitors," *Southeast Star-Wave,* May 8, 1969.

community," and names were chosen from those Black Americans who have made great contributions to the history and culture of the United States.[32]

Alterations to extant buildings on the 49th Street Elementary School campus are limited, and the school overall retains many of its character-defining features. The West Building was altered with cement plaster exterior and interior remodeling following the Long Beach Earthquake. The cupola on the Main Building was removed in the mid- to late-1970s. The Classroom Building was added to the Administration, Library, and Classroom Building as an addition in 1969.

Interior alterations have been extensive and include new resilient tile flooring, acoustical tile ceilings, the removal of interior transom lights, and alterations to fixtures. Some character-defining features have been retained, such as window and door surrounds, wood cabinets, radiators, and transom openings.

Table 1. Existing Conditions

Building Name	Building ID	Date of Construction
West Building	13933	1923
Main Building	14040	1935
South Building	13583	1935
Sheltered Corridor #1 (West Building - Main Building)	45244	1935
Auditorium Building	14196	1936
Sheltered Corridor #2 (Main Building - South Building)	45229	1936
Sheltered Corridor #3 (South Building - Auditorium)	45235	1936
Administration, Library & Classroom	14036	1965
Classroom Building	13718	1969
Cafeteria Building	13566	1969
Sheltered Corridor # 4 (Auditorium - Cafeteria)	13566	1969
Lunch Pavilion	45236	1969

[32] "49th Street School History Highlighted," *Southside Journal,* February 17, 1972.

4.0 FOCUSED NEIGHBORHOOD CONTEXT

The 49th Street Elementary School is located in the Southeast Los Angeles CPA, which was surveyed by SurveyLA in 2012. Background information regarding the area is excerpted from this survey report below.

Additional information regarding Central Avenue, the specific area of Southeast Los Angeles wherein 49th Street Elementary School is located, is also excerpted from the *Historic Resources Associated with African Americans in Los Angeles* National Register Nomination. This section provides information on the history of Central Avenue and redlining, as an important event/trend/development pattern associated with the area.

4.1 History of Southeast Los Angeles[33]

The northern section of the Southeast Los Angeles CPA was within the original Los Angeles city boundary (incorporated in 1850). The remainder of the CPA was consolidated or annexed into the City of Los Angeles between 1859 and 1944. The CPA includes the neighborhoods of Historic South Central, South Park, Central Alameda, Florence, Green Meadows, Broadway-Manchester, and Watts.[34] Watts was an incorporated city prior to its consolidation into the City of Los Angeles.

The Southeast Los Angeles CPA developed in a southward pattern beginning in the late 19th century, as the city's growing network of streetcars allowed for development outside the historic city center. Though the area north of Slauson Boulevard was largely built out by the late 1910s, at this time the land to the south was still largely undeveloped and relatively remote. Much of it was used for vegetable and fruit cultivation by Chinese and Japanese residents. In 1903, however, a group of investors evicted the farmers and constructed the Ascot Park horse racing track at generally the area south of Slauson Boulevard and east of Avalon Boulevard. Referred to as being located in the "no man's land" on the skinny stretch of territory "running from Los Angeles to the sea,"[35] Ascot Park quickly became known as a notorious den of gambling and drinking. Its investors hoped to incorporate the area, and though unsuccessful, the larger area was known as Ascot Park until the late teens when the park (which converted to automobile racing from horse racing in the late 1900s) was dissolved altogether. The removal of the vast acreage of Ascot Park freed the land for residential and industrial development, which ensued at a monumental pace south of Slauson Boulevard in the 1920s.

The Southeast Los Angeles CPA became the center of the city's African American community during the first half of the 20th century. The African American community in Los Angeles was first concentrated in the historic city center, around the neighborhood that is now Little Tokyo. As the community grew, it began moving

[33] This section has been excerpted and adapted from the "Southeast Los Angeles Community Plan Area" Historic Resources Survey Report, prepared for the City of Los Angeles by Galvin Preservation Associates, March 2012.
[34] Neighborhood names and boundaries were derived from: "Mapping L.A. - Los Angeles Times." Mapping L.A. Los Angeles Times. Web. 09 September 2011.
[35] "Ascot Park in 'No Man's Land," *Los Angeles Times*, January 15, 1907.

south after the turn of the 20th century. Central Avenue was the primary thoroughfare around which this movement and development was centered, and blacks created a vibrant community there. By the late 1920s, the area had become home to jazz clubs, a vibrant social scene and nightlife, as well as black-owned businesses.

During this time, the area remained racially and ethnically diverse. Despite the increasing concentration of African Americans, they remained in the minority. Whites, Asians, and Hispanics made up the remaining portion of the area's population during this period. It was not until the 1930s that the demographics in the area began to shift as these groups moved out of the area, and blacks became an increasing percentage of the population. Large numbers of African Americans moved to Los Angeles in the late 1920s and 1930s, drawn by the promise of jobs and homeownership. Prevented from moving farther west by racially restrictive covenants, they moved into the neighborhoods of Southeast Los Angeles.

4.2 History of Central Avenue[36]

The 1920s represents a turning point in the history of Black settlement patterns. Racial segregation practices intensified, hemming in the community as its population rose.[37] Residential settlement continued south around Central Avenue during the decade, but now stopped abruptly at Slauson Avenue. Black families who tried to venture south of this line met violent resistance during the 1920s and 1930s.[38] As well, the east and west borders of Alameda and San Pedro Streets continued to hold firm, buttressed by race restrictive covenants which spread widely in surrounding white suburbs, tightening the racial boundaries around Central Avenue.

In 1928, the center of gravity rapidly relocated further south down Central Avenue. The opening of the Somerville Hotel was arguably the most important catalyst for this shift, bound as it was to a momentous moment in the history of Black Los Angeles. By the late 1920s, Central Avenue and 41st Street was the new heart of Black L.A. At this electrifying intersection, three architecturally significant structures stood proudly, signs of the growth, maturation, and growing sophistication of the Black community. They included the Somerville Hotel, the Hudson-Liddell Building, and the Golden State Mutual Life Insurance Building. These enterprises drew Black settlement down and around the Avenue. This southward shift was the fastest, most dramatic relocation of the community's center in its history. Significantly, it occurred in a period when strong middle-class leadership, vibrant cultural life, and Black enterprise symbiotically coexisted in a common physical area. The forces of physical dispersal had not yet set

[36] This section has been excerpted and adapted from: Teresa Grimes, "Historic Resources Association with African Americans in Los Angeles" National Register Nomination. December 31, 2008.
[37] Lawrence de Graaf argues this ushered in the beginning of the Black ghetto in Los Angeles, although this is a point of some scholarly controversy.
[38] de Graaf, "City of Black Angels," 346.

in. This synergy bestowed even greater significance to Central Avenue as *place*—a site of meaning, identity, and rootedness for Black Angelenos.

The southward shift was not only pulled by these dynamic enterprises, but it was likely pushed by changes occurring in the northern sections of Central Avenue. In 1922, this area was rezoned for manufacturing, and by 1939 over 100 industries had located there. This precipitated a decline in housing quality, with some residential structures falling into disrepair. Some single-family homes were transformed into boarding houses, shared by four families. A number of these were owned by whites. As early as the mid-1920s, the area around northern Central Avenue already showed signs of decline.[39]

During the 1930s, the Black population in Los Angeles continued to climb, with most newcomers settling in the Central Avenue vicinity. In 1930, approximately 17,500 Blacks lived in the area; over the next decade, nearly 25,000 Blacks would join them.[40] Despite these growing numbers, the newcomers fit comfortably into the area without undue overcrowding. This was largely due to an exodus of non-Blacks from the vicinity: repatriation depleted the Mexican and Filipino population, white working-class residents were drawn to new suburban developments with Federal Housing Administration assistance (these areas and programs were largely closed to people of color), and some ethnic Japanese returned to Japan. Other areas of Los Angeles were growing in population during the 1930s; the multiethnic Eastside was not. This exodus resulted in a demographic change around Central Avenue: Blacks went from being 35 percent to 60 percent of the population between 1930 and 1940. The community was also more mixed in terms of class, as many Black newcomers came from poor or working-class backgrounds. In the 1930s, Black home seekers continued to buy properties around Central Avenue, forming a residential "strip" bounded by 4th Street to the north and Slauson Avenue to the south, and San Pedro and Alameda Streets to the west and east.[41]

The 1940s was a watershed decade for Central Avenue. The tremendous influx of Black migrants during and after World War II put major strain on the community, changing its qualitative character. During the war years, 50,000 newcomers settled in and around the Avenue, with more arriving after the war. Despite this jump in population, the racial boundaries held firm around the community: Alameda to the east and now Broadway to the west (a block west of Main Street), Slauson to the south. With each new wave of migrants, the area grew increasingly crowded and overburdened.[42] The housing shortage that plagued all of Los Angeles hit the

[39] Lawrence B. de Graaf, "City of Black Angels: Emergence of the Los Angeles Ghetto, 1890-1930," Pacific Historical Review 39 (1970), 349-50; Octavia Vivian, *The Story of the Negro in Los Angeles County* (Federal Writers Project, 1936), 30.
[40] Ervin, *The Participation of the Negro in the Community Life of Los Angeles*, 12. Technically, they moved into the 62nd Assembly district, which hugged Central Avenue. Douglas Flamming, Bound for Freedom: Black Los Angeles in Jim Crow America (Berkeley: University of California Press, 2005), 308.
[41] Flamming, *Bound for Freedom*, 306-308.
[42] Josh Sides, *L.A. City Limits: African American Los Angeles from the Great Depression to the Present* (Berkeley: University of California Press, 2003), 98.

community particularly hard, hemmed in as it was by race restrictions, even as the Black population skyrocketed. The Black influx had a compounding effect. Not only did it strain the community, but it reinforced the boundaries around it. As more Blacks arrived, they became a more visible presence in the city, provoking greater white fears, animosity, and ultimately hostile efforts to defend their communities from Black incursions. Those efforts largely succeeded through the 1940s.

Housing around Central Avenue felt the strain. Rooms were rented out and families doubled up, overtaxing many dwellings. Yet by the late 1940s, the area still had its good blocks. In 1948, Negro Digest ranked L.A.- still anchored by Central Avenue- as one of "America's Ten Best Cities for Negroes," with its decent homes, quiet streets, and good schools.

Harry C. Deckbar[43]

Harry Charles Deckbar was born in 1882 in Louisiana. By 1910, Deckbar was working in Los Angeles for architect Frank George Krucker. From 1911 to 1914, Deckbar assisted Krucker, along with Thornton Fitzhugh, on the nine-story Trinity Auditorium (later known as the Embassy Hotel). In 1913, Deckbar and Krucker started a partnership. During this period, Krucker & Deckbar built the first buildings at 49th Street Elementary School (later demolished).[44] They also designed the Crown Apartments in Pasadena.[45] The partnership lasted until about 1917.

Deckbar briefly moved to Mobile, Alabama, in 1918, where he worked as a draftsman for the Chickasaw Shipbuilding Company. He moved back to Los Angeles in 1920 where opened his own architectural firm. In 1924, he designed the 2-story Masonic Temple in Southwest Los Angeles.[46] In addition to the Masonic Temple, 49th Street Elementary School was one of the more prominent projects designed by Deckbar. He passed away in Los Angeles in 1938. Deckbar is not considered a master architect.

Kent Attridge, AIA

Kent James Attridge was born in 1920 in Los Angeles, California. He graduated from Chouinard Art Institute in 1941 with an Associate Degree in Architecture.[47]

Attridge served in the Merchant Marines during World War II; then returned to Los Angeles and began practicing architecture.[48] In 1958 and 1959, Attridge served as architectural advisor to the U.S. government and traveled to Moscow with Harold C. McClellan, where he designed the American Exhibition Facility in Solkolniki Park.[49]

Upon his return, Attridge became the Vice President of Welton Beckett and Associates and served as the director of the Beckett Office in New York. While at Welton Beckett & Associates, Attridge worked on the Los Angeles Memorial Sports Arena (demolished). Attridge then served as an associate architect for Claud Beelman, AIA, until Beelman's death in 1963. He opened his own firm, Kent Attridge and Associates, and retained Beelman's staff in his new company.[50] In 1965, the Coliseum Commission authorized Attridge to design an underground trade show center under the Sports Arena at Exposition Park.[51] In 1977, Attridge joined Albert C. Martin and Associates as a Project Director.[52] Some of his notable works, many of which are no longer extant, include the Santa Monica Civic Auditorium,

[43] Biographical information taken from "Harry Charles Deckbar," PCAD, unless otherwise noted. https://pcad.lib.washington.edu/person/169/
[44] "Sold Before Completion," *The Los Angeles Times*, December 29, 1935.
[45] "Krucker & Deckbar," *The Los Angeles Times*, January 1, 1914.
[46] Michael Krekorian. "Repairs Begin on Quake-Damaged Masonic Temple," *The Los Angeles Times*, September 13, 1966.
[47] 1962 AIA Directory.
[48] "Attridge, Kent J.," *The Los Angeles Times*, March 4, 1995.
[49] Dewey Linze. "85% Space Use Attridge Goal," *The Los Angeles Times*, September 22, 1963.
[50] "Architect Attridge Forms Own Firm in Los Angeles," *The Los Angeles Times*, April 21, 1963.
[51] "Let's Go Ahead Decision Voted," *Citizen News*, February 4, 1965.
[52] *The Los Angeles Times*, September 11, 1977.

Robinson's Anaheim, various Broadway-Hale stores, Macy's stores, and Saks Fifth Avenue.[53]Attridge passed away in 1995 at the age of 75. Attridge is not considered a master architect.

Harold Louis Williams, FAIA

Harold Louis Williams was born on August 4, 1924, in Flemingsburg, Kentucky. He grew up in Cincinnati, Ohio. From an early age, Williams showed interest in art and architecture, and the minister of their family church introduced him to Paul R. Williams (no relation), who was designing homes for high-end clients in Los Angeles. After graduating high school in 1942, Williams was drafted to the U.S. Navy. While on leave in Los Angeles in 1944, he met Paul Williams and the two struck up a friendship which inspired Harold to pursue architecture. He spent 1946 at Talladega College in Alabama upon his return from the Navy and then entered Miami University in Ohio in 1947.[54]

Williams graduated from Miami University in 1952, where he was the only African American student.[55] In 1953, he was hired as a draftsman at Fulton, Krinsky, and Delamotte in Cleveland, Ohio.[56] In 1954, he moved to Los Angeles. In Los Angeles, Williams worked for Paul R. Williams & Associates.

In 1958, he became the ninth African American architect to be licensed in California and joined the Southern California Chapter of the American Institute of Architects. In 1962, he opened his own practice, Harold Williams Associates, Architects, and Urban Planners.[57] In 1967, he was one of the principal partners of Kinsey, Meeds, and Williams. He had many repeat clients, including the Los Angeles Unified School District, the City and County of Los Angeles, and California State Universities.[58]

Williams' most notable projects include the Compton City Hall (1976); the South Central Los Angeles Multi-Service and Child Development Center, Los Angeles (1976); Compton Civic Center (1977); California State Office Building, Civic Center, Van Nuys (1982); and Fire Station Number No. 3 (1989).

In addition, Harold Williams was also active in the community and provided leadership. He was the organizer, founder, and first president of the Southern California Association of Minority Architects and Planners (MAP) and co-founder of the National Organization of Minority Architects (NOMA) in 1971. From 1981-1982 he served as the NOMA National President. Under his leadership, a new Watts Towers Art Center building was built in 1967.[59] Williams died on June 21, 2015, at the age of 90.[60]

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[53] "Architect Attridge Forms Own Firm in Los Angeles," *The Los Angeles Times,* April 21, 1963.
[54] Williams, Harold L. "African-American Architects of Los Angeles: Harold L. Williams," Interviewed by Wesley H. Henderson, 1993.
[55] Williams, Harold L. Interviewed by Wesley H. Henderson, 1993.
[56] AIA Application.
[57] "Harold L. Williams," PCAD. https://pcad.lib.washington.edu/firm/2739/
[58] "50 Years- the Founders," NOMA.
[59] "50 Years- the Founders," NOMA.
[60] Martha Groves, "Harold Williams Dies at 90; Architect Designed Compton City Hall," *The Los Angeles Times,* July 28, 2015.

6.0 SIGNIFICANCE EVALUATION

This evaluation utilizes the framework for historic resource assessments described in the *Los Angeles Unified School District Historic Context Statement*, which "defines themes of significance, eligibility standards, and related property types. Properties sharing a theme of significance are then assessed consistently, in comparison with resources that share similar physical characteristics and historical associations."[61]

In addition to each of the applicable federal, state, and local designation criteria, two evaluation frameworks and their associated eligibility standards and integrity thresholds were identified and applied to this evaluation. These evaluation frameworks relate specifically to the themes of *Post–1933 Long Beach Earthquake School Plants, 1933-1945*; and *Educating the Baby Boom: The Postwar Modern, Functionalist School Plant, 1945-1969*. These themes were used to analyze buildings on the campus, which primarily were built or substantially altered during these periods. Buildings at 49th Street Elementary School were evaluated using these frameworks for potential eligibility both individually and as contributors to a potential historic district. Additionally, campus buildings that date to the 1930s were evaluated using *PWA Moderne* context. Buildings that date to the 1960s were evaluated using the *Mid-Century Modern/Regional Modernism* context.

Buildings that were found to be potentially eligible for listing in federal, state, or local registers were carried forward for an integrity analysis, which is included in Section 7, to determine if the building retains sufficient integrity to convey its significance.

6.1 Frameworks for Evaluation

The following frameworks are derived from the *Los Angeles Unified School District Historic Context Statement* and the "Historic Resources Associated with African Americans in Los Angeles" National Register Nomination.

Post-1933 Long Beach Earthquake School Plants, 1933-1945[62]

Property Type: Institutional/Educational
Property Subtypes: Elementary, Junior High, and High School Buildings and Campuses
Period of Significance: 1933 to 1945
Area of Significance: Education
Geographic Location: Citywide
Area of Significance: A/1

Eligibility Standards:

- Exemplifies post–Long Beach earthquake school planning and design concepts of the period, including requirements under the 1934 Field Act
- One-story massing for elementary schools; up to two-stories for junior/high schools

[61] Sapphos Environmental, Inc., *Los Angeles Unified School District Historic Context Statement*, 4.
[62] Sapphos Environmental, Inc., *Los Angeles Unified School District Historic Context Statement, 137.*

- Retains most of the associative and character-defining features from the period of significance

Character-Defining Features - Buildings/Structures:

- One-story massing for elementary schools; up to two stories for middle and senior high schools
- Reinforced concrete, steel- or wood-frame construction
- Classroom wings designed for easy access and views to outdoors—with variations including L-, H-, T-shaped building plans
- Generous expanses of windows, including steel- and wood-framed multilight windows, awning and hopper casements, clerestories, and large-pane fixed windows; window groupings often mark the location of classrooms
- Stylistically more streamlined and less ornamental than 1920s period-revival styles
- Emphasis on "traditional Southern Californian" styles, such as Spanish Colonial and Mission Revival
- Styles can also include PWA Streamline Moderne, Art Deco, Late Moderne, and proto-modern styles
- May have been partially or fully funded through Works Progress Administration (WPA), 1935 to 1943
- WPA projects may include significant interior artwork such as murals, paintings and sculpture
- May have been designed by a prominent architect of the period

Character-Defining Features - Campus/District:

- Unified site plan consisting of buildings and structures designed and sited according to their use
- Use of designed outdoor and landscaped spaces, for outdoor study, recreation and dining
- Often displays connecting sheltered corridors throughout campus
- Emphasis on a more expansive site plan
- Varied collection of buildings, differentiated by function and use (rather than a single building with all functions inside)
- Might include an elaborate administration building, located near the campus entrance; administration buildings usually serve as the focal point of the campus
- Campus often composed of groupings of classroom wings, auditoriums, gymnasiums, cafeterias, and outdoor recreation and dining areas
- Middle or senior high schools might include a gymnasium designed in the style of the campus overall

Integrity Considerations:

- Should retain most of the essential physical features from the period of significance
- Some materials may have been removed or altered
- Modern lighting and fencing of site acceptable
- Schools from this period generally include buildings constructed after the period of significance, in particular post-World War II buildings, which may be noncontributing
- Eligible properties under this theme may be a single building, if it exemplifies the design ideals of the era, or a grouping (campus) of buildings constructed during the period of significance
- Intact campus groupings from the pre-1945 era are not common
- Many pre-1933 schools were substantially remodeled following the Long Beach earthquake—may retain a 1920s plan but with 1930s stylistic detailing.
- Pre-1933 schools rehabilitated post-1933 might exhibit added seismic supports of steel columns, beams, or diagonal bracing; original masonry might be covered by concrete/stucco sheathing
- Should retain integrity of Materials, Design, Workmanship, Feeling, and Association from its period of significance

Comments: Buildings exhibiting distinctive design features might also qualify under Criteria C/3, as the embodiment of the distinctive characteristics of a type/period or method of construction, as an example of the work of a master architect, or for high artistic values.

Educating the Baby Boom: The Postwar Modern, Functionalist School Plant, 1945-1969[63]

Property Type: Institutional/Education
Property Subtypes: Elementary, Junior High Schools, and High School Buildings and Campuses
Period of Significance: 1945 to 1969
Area of Significance: Education
Geographic Location: Citywide, with concentrations in the San Fernando Valley and West Los Angeles
Area of Significance: A/1

Eligibility Standards

- Clearly embodies the characteristics of a postwar modern functionalist school campus
- Displays a unified, functional site design, with buildings extending across the site and oriented in relation to outdoor spaces (courtyards, patios, outdoor play areas)
- One-story massing for elementary schools; up to two-stories for junior/high schools
- Classrooms, in detailing and plans, clearly express their function, with axial, fingerlike wings, plentiful fenestration, and connections to the outdoors

[63] Sapphos Environmental, Inc., *Los Angeles Unified School District Historic Context Statement, 141.*

- Retains most of the associative and character-defining features from the period of significance

Character-Defining Features – Buildings/Structures

- Building plans and site design clearly express their function; classroom wings often exhibit one story "finger-like" wings, arranged on an axis
- Easily identifiable indoor-outdoor spaces, connections to classrooms through the incorporation of patios, courtyards, and outdoor canopied corridors
- One-story massing, particularly for elementary schools; up to two to three stories for junior and high schools
- Building types and plans expressive of postwar ideals in school design; these can include (1) finger-plan schools (usually in 1940s through 1950s); (2) cluster-plan schools (beginning in 1950s); and (3) variations and combinations of these typologies clearly expressive of the ideals for informality, indoor-outdoor connections, and zoned planning for the site
- Varying elevations might display differentiated window sizes and configurations, in order to tailor interior light to sun patterns and create cross-lit classrooms

Character-Defining Features – Campus/District

- Unified campus design includes most or all of the following attributes: lack of formality and monumentality; low massing (usually one stories for classrooms and up to two stories for auditoriums/multipurpose rooms); strong geometric ordering of buildings and outdoor spaces; decentralized, pavilion-like layout; rational, function driven site design; buildings extend across the site; buildings are oriented to outdoor spaces (courtyards, patios, outdoor areas), purposeful indoor-outdoor integration
- Automobile traffic/drop-off areas separated from campus; linked to interior via extended canopied corridors
- Buildings often turn inward, toward green spaces and courtyards, lawns
- Outdoor corridors, sheltered beneath simple canopies, forming links between the buildings of the campus
- Classrooms often consist of a series of axial, modular units
- An informal, domestic scale for the buildings and campus might be especially evident in elementary schools
- Swaths of patios, terraces, and plantings adjacent to and alternating with buildings
- Generous expanses of windows, including steel- and wood-framed multi-light windows, in awning and hopper casements, clerestories, and fixed panes
- Flat roof or broken-plane roof often used for lighting and acoustical issues
- Modular design, with a rhythmic, asymmetrical but balanced composition
- Usually displays a modern design idiom, usually either regional modernist (with use of native materials such as stone, brick, and wood siding and/or framing), International Style modernist, or, by the early 1960s, Late Modern (more expressive and sculptural)

- Some examples might include some degree of historicist detailing or styles popular in the postwar period (such as American Colonial Revival); these are less common than modernist examples
- May have been designed by a prominent architect of the period
- Often associated with post–World War II suburbanization and growth near major employment centers beyond the city periphery (such as the San Fernando Valley and southwest Los Angeles)
- Often built in residential neighborhoods on large expanses of land, with swaths of land devoted to landscape design and playing fields (in particular for high school campuses)

Integrity Considerations

- Retains most of the essential physical features from the period of significance
- School expansion and new construction over the years, in particular in the postwar period, might have resulted in the addition of in-fill buildings and structures in areas that were originally designed open spaces (such new additions should not interfere with or serve as a visual impairment to the designed connections between buildings, in particular classroom wings, and adjacent outdoor patios and spaces)
- Many postwar schools were designed to be easily expandable as enrollment increased; the original site design and building types and plans should be readily discernible. If additional wings were added or the campus extended, the additions should be compatible with and visually subordinate to the original
- Some materials may have been removed or altered
- Modern lighting and fencing of site acceptable
- Should retain integrity of setting, materials, design, workmanship, feeling, and association from its period of significance
- Addition of portable or permanent buildings after the period of significance acceptable as long as original campus design is intact

PWA Moderne[64]

The Public Works Administration (PWA) was created by the National Industrial Recovery Act within a few months of the March 1933 Long Beach Earthquake. Much school reconstruction work was funded by the PWA following widespread damage to Los Angeles public schools in the wake of the earthquake,. Consequently, a substantial number of Los Angeles public schools either built or remodeled during this time exhibit some degree of PWA Moderne styling. Also referred to as "Stripped Classicism," the PWA Moderne often incorporates elements of a number of styles, including Classical Revival, Spanish Colonial Revival, Art Deco, and Streamline Moderne.

Compared with the Streamline Moderne, the PWA Moderne was more formal and symmetrical in its overall design, with less emphasis on curvilinear shapes and horizontality.

[64] Sapphos Environmental, Inc., *Los Angeles Unified School District Historic Context Statement,* 124.

This style is found throughout the United States, particularly for institutional buildings funded through the PWA. The PWA program was terminated in 1943.

Typical Character-Defining Features

- Emphasis on the vertical axis
- Symmetrical, formal design composition and massing
- Smooth wall surfaces, generally of stucco, concrete, and/or polished stone (rarely includes brick exterior elements)
- Usually a flat roof
- Piers, often fluted or reeded, separating recessed window channels
- Incorporation of shallow relief panels and interior murals

Mid-Century Modernism/Regional Modernism (Post-1945)[65]

Mid-Century Modernism, or Regional Modernism, represents a middle ground between the formal, machine-age aesthetic of the International Style and a regional idiom reflecting local precedent and identity. In the postwar period through the 1960s, as practiced in Southern California, Mid-Century Modernism took its cues from the region's first-generation modernist architects such as Richard Neutra, Rudolph Schindler, Gregory Ain, Frank Lloyd Wright, and Harwell Hamilton Harris. In the postwar period, second-generation practitioners such as Raphael Soriano, Whitney Smith, and A. Quincy Jones, among many others, established Los Angeles as a center for innovative architectural design and culture.

Mid-Century Modernism is characterized by an honest expression of structure and function, with little applied ornament. Aesthetic effect is achieved through an asymmetrical but balanced, rhythmic design composition, often expressed in modular post-and-beam construction. Whether wood or steel, post-and-beam construction allowed for open floor plans, ease of expansion, and generous expanses of glazing to heighten indoor-outdoor integration. Infill panels of wood or glass are common, with glazing often extending to the gable. Buildings are generally one to two-stories, with an emphasis on simple, geometric forms. Capped with low-pitched gabled or flat roofs, a Mid-Century Modern building often displays wide eaves and cantilevered canopies, supported on spider-leg or post supports. Sheathing materials vary, with wood, stucco, brick and stone, or steel-framing and glass. Windows are generally flush-mounted, with metal frames.

This style was seen in postwar institutional and commercial buildings, as well as residences, from 1945 until circa 1975, when Title 24 restrictions on the use of glass curtailed the expansive glazing that characterizes the style.

Typical Character-Defining Features

- Horizontal design composition and massing; generally one to two stories

[65] Sapphos Environmental, Inc., *Los Angeles Unified School District Historic Context Statement, 126.*

- Simple, geometric volumes
- Flat or shed roof, often with wide, cantilevered overhangs
- Exterior materials include stucco, brick, or concrete
- Modular design and planning
- Aesthetic qualities derive from use of simply treated materials and excellent craftsmanship
- Direct expression of structural systems, often in wood or steel post-and-beam
- Lack of historicizing ornament
- Generous expanses of fenestration, including bands of grouped multi-light windows
- Extensive use of sheltered exterior corridors, with flat or slightly sloped roofs supported by posts, piers, or pipe columns

African American Association with Schools[66]

Description - The first dedicated public schoolhouse in Los Angeles was constructed in 1855 at the corner of 2nd and Spring Streets. A second school opened shortly thereafter on N. Main Street. Each was two stories in height and constructed of brick. The school buildings that were constructed during the latter part of the 19th and early part of the 20th century followed this same general format, only larger and somewhat more formal. The Classical Revival was especially favored with impressive porticos and colossal columns proclaiming the importance attached to education. Most of these buildings fell victim to the 1933 Long Beach Earthquake. The State passed the Field Act in response to the public outcry over the vulnerability of school buildings to earthquake damage. Severely damaged schools were demolished, while others were rehabilitated and reinforced. Most of the schools reconstructed exhibit the mix of classicism and streamlining referred to as P.W.A. Moderne. Public schools from the period of significance are generally located in the Central Avenue corridor, or the Watts, West Jefferson, West Adams, or Pacoima areas. They include the Holmes Avenue Elementary School, 9th Street Elementary School, 20th Street Elementary School, 28th Street Elementary School, Wadsworth Avenue Elementary School (formerly 35th Street School), McKinley Avenue Elementary School, Hooper Avenue Elementary School, Carver Middle School (formerly McKinley Junior High School), and Jefferson High School. Lafayette Junior High School was the other middle school in the area. The building still stands, but the school has been closed.

Significance - Schools associated with the history of African Americans in Los Angeles may qualify for listing in the National Register under Criterion A at the local level. California joined the Union in 1850. During the first legislative session, statutes were enacted that denied African Americans the right to receive a public education, among other things. Between 1872 and 1879, black children gained some access to a public education, but the law proscribing their right to a public education was not repealed until 1880. At this point in time the

[66] Grimes, "Historic Resources Association with African Americans in Los Angeles" National Register Nomination, 49-50.

population of African Americans in Los Angeles was approximately 102, out of a total population of 11,000. The number of school age black children is unknown.

To the black community, education represented a means toward upward mobility. Access to educational opportunities was a powerful factor in attracting African Americans to Los Angeles. By 1910, the African American population of Los Angeles had grown to 7,599 and began to coalesce in the area south of downtown. Many settled in the Furlong Tract where black families could buy lots for $750 dollars. Businesses and services needed by the community of 200 homes opened, including three churches and a school. After many of the homes were damaged in the 1933 Long Beach Earthquake, families began to leave the neighborhood. The remaining houses were torn down in 1942 and the Pueblo Del Rio housing project was built to house defense industry workers. All that remains of the original Furlong Tract is the Holmes Avenue Elementary School. Built as the 51st Street School in 1910, it was rebuilt after a fire in 1922 and reopened as the Holmes Avenue Elementary School. While mainly African American children attended the school, the principals and teachers were exclusively white. In 1911, Bessie Burke joined the staff. She was the first African American teacher in the Los Angeles public school system. By 1918, she was promoted to principal of the school, another first for her race.

Public schools in Los Angeles were not segregated by law, but rather racial geography and the policies of the school district. Schools often served as the educational and social focal point for their respective communities. This was particularly true of high schools that also had extracurricular activities such as athletic and music programs. Most blacks attended either Jefferson or Jordan High Schools, although they were racially mixed through the late 1950s. Many of the most distinguished African American who grew up in Los Angeles.

Registration Requirements - To be eligible under Criterion A, schools must have been constructed during the period of significance (prior to 1958) and need to represent some aspect of African American history in Los Angeles. They may reflect a particular milestone in the community's struggle for equal access to education or equal access to employment opportunities in the field of education. A school that was attended by an African American who is considered a historic personage would not be considered eligible under Criterion B, because it is highly unlikely that it would reflect the person's life work. However, a school attended by numerous African Americans who are considered historic personages may be eligible under Criterion A for the cumulative importance of those individuals in the community. Schools should retain sufficient integrity to evoke their original use and character from the period of significance. The entire campus should be evaluated, and if there are multiple buildings with integrity remaining from the period of significance, consideration should be given to nominating them as an historic district. The historic location, setting, feeling, and association must be strongly present in the evaluation of integrity. The mid-1930s may be considered the baseline for evaluating the integrity of design, materials, and workmanship even for much older schools as virtually every school in Los Angeles was rehabilitated after 1933.

6.2 Historic District Assessment

The buildings and features of the 49th Street Elementary School campus have been considered collectively for their potential eligibility for listing in the National Register, California Register, and/or listing as a City of Los Angeles HCM.

The National Park Service defines a *historic district* as "a significant concentration, linkage, or continuity of sites, buildings, structures, or objects united historically or aesthetically by plan or physical development."[67] Additionally, school campuses are noted as a potential example of a historic district. School campuses in the United States, especially those built in the 20th century often have definable spaces and unified site plans that were constructed as institutional complexes for educational purposes. The combination of space and purpose reflects individual school buildings' interconnectedness and functionality as a larger grouping.

Because the 49th Street Elementary School campus contains a grouping of related buildings and features and was originally developed as an elementary school, consideration of this property as a potential historic district is an appropriate analytical framework for its evaluation.[68]

Findings

HRG identified a single potential historic district at the 49th Street Elementary School with a period of significance from 1935 to 1936. The potential historic district was found eligible for listing in the National Register and California Register, and for designation as a City of Los Angeles HCM under Criteria A/1/1 and C/3/3.

Primary contributors to the potential historic district are the West Building, Main Building, South Building, Auditorium Building, and three sheltered corridors. There are no secondary or tertiary contributors to the potential historic district. Non-contributors to the potential historic district are the Administration, Library, and Classroom Building/Classroom Building and Cafeteria/Lunch Pavilion. Additionally, no hardscaping or landscaping was found to contribute to the potential historic district.

Historic Significance

Criterion A/1/1

49th Street Elementary School is significant under National Register Criterion A, California Register Criterion 1, and City of Los Angeles HCM Criterion 1 within the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context of the LAUSD Historic Context Statement. The West Building, Main Building, South Building, Auditorium Building, and sheltered corridors (#1, #2, and #3) of the 49th Street Elementary School were constructed following the Long Beach Earthquake of 1933. The campus directly reflects a design shift resulting from this major natural disaster, when school plants were reimagined for longevity in a specifically Southern California environment. These buildings meet several eligibility standards established by this context. The 49th Street Elementary School exemplifies post-Long

[67] *National Register Bulletin 15: How to Apply the National Register Criteria for Evaluation.* Washington D.C.: National Park Service, U. S. Department of the Interior, 1997. (5)
[68] Ibid.

Beach earthquake school planning and requirements of the 1934 Field Act; has one-story massing; and retains most of the associative and character-defining features from the period of significance. Character-defining features of the context that are present on the campus include: "wood frame construction; generous expanses of windows; stylistically streamlined; and … the PWA Streamline Moderne style" as identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context. As a cohesively as a campus, the 49th Street Elementary School also retains character-defining features identified by the context including a "unified site plan; connecting sheltered corridors throughout campus; emphasis on a more expansive site plan; varied collection of buildings, differentiated by function and use; elaborate administration building, located near the campus entrance." Therefore, the 49th Street Elementary School meets the eligibility standards and character-defining features identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context.

Following the comprehensive redesign of the school in the 1930s, subsequent expansion of the school was completed in a piecemeal fashion in the 1960s as the population expanded and the school required additional space. Between 1965 and 1969, the Cafeteria/Lunch Pavilion, Administration, Library, and Classroom Building/Classroom Building, and sheltered corridor #4 were constructed. These buildings/structures do not meet the eligibility standards nor character-defining features identified in the *Educating the Baby Boom: The Postwar Modern, Functionalist School Plant, 1945-1980.* They do not reflect a "unified, functional site design, with buildings extending across the site and oriented in relation to outdoor spaces, do not exhibit "finger-like" wings; one-story massing; and do not exhibit the finger-plan or cluster-plan school." Moreover, buildings from this period do not "turn inward towards green spaces; do not reflect a series of axial, modular units; and do not display a modern design idiom, usually either regional modernist (with use of native materials such as stone, brick, and wood siding and/or framing)." For this reason, later development in the 1960s does not contribute to the potential historic district.

The period of significance for 49th Street Elementary School under Criterion A/1/1 spans from 1935 to 1936, during which architect Harry C. Deckbar designed the PWA Moderne-style school plant.

The campus was redesigned in the 1930s, around the time that the immediate vicinity was transforming into a largely Black community. As outlined in the "Historic Resources Associated with African Americans in Los Angeles" National Register Nomination:

> To be eligible under Criterion A, schools must have been constructed during the period of significance (prior to 1958) and need to represent some aspect of African American history in Los Angeles. They may reflect a particular milestone in the community's struggle for equal access to education or equal access to employment opportunities in the field of education.[69]

Although 49th Street Elementary School was constructed during the period of significance research did not indicate that the school was significant for its association with African

[69] Grimes, "Historic Resources Association with African Americans in Los Angeles" National Register Nomination, 50.

American development patterns and was not the site of significant events associated with this community. Instead, as outlined in history of Central Avenue context in Section 4, the Black community was increasingly centered around Central Avenue corridor as a result of rezoning to the north and surrounding restrictive housing. The school's increasingly African American student body was thus the result of de facto segregation and did not reflect a significant milestone in the community's struggle for equal access. Therefore, 49th Street Elementary School does not appear eligible for listing based on a significant association with the history of the African American community.

Criterion B/2/2

No information was found to suggest that the 49th Street Elementary School was associated with any historic personages, nor that any other individuals of historic significance were associated with the property. Therefore, the 49th Street Elementary School is not eligible for listing under Criterion B/2/2.

Criterion C/3/3

49th Street Elementary School is also significant under National Register Criterion C, California Register Criterion 3 and City of Los Angeles HCM Criterion 3 within the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* and the *PWA Moderne* contexts of the LAUSD Historic Context Statement. The West Building, Main Building, South Building, Auditorium Building, and sheltered corridors (#1, #2, and #3) of the 49th Street Elementary School embody the distinctive characteristics of a type, period, and method of construction, notably that of PWA Moderne-style buildings. Buildings at the campus dating to 1935-1936 were designed or remodeled by architect Harry C. Deckbar, who incorporated the clean lines of the PWA Moderne style with the popular Neoclassical style to create a unique stylistic vocabulary on the campus. Buildings reflect the planning and design concepts of the period, including "one-story massing; general expanses of windows; unified site plan with central courtyard; and sheltered corridors throughout campus." As identified in the *PWA Moderne* context, the buildings feature "symmetrical, formal design composition and massing; smooth wall surfaces; and piers, often fluted or reeded." The buildings at 29th Street Elementary School also incorporate "elements of a number of styles, including Classical Revival," as the context identifies as typical of PWA Moderne styles. Furthermore, as identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context, buildings designed during this period all reflect the period's emphasis on a varied collection of buildings differentiated by function and use, such as a separate auditorium. Features constructed in the mid-1930s include the Main Building, South Building, Auditorium Building, and three associated sheltered corridors (#1, #2, and #3). The West Building was also remodeled to follow the design vocabulary of the campus.

Buildings constructed during the 1960s were constructed incrementally with later additions completed to accommodate an increase in population. The Cafeteria/Lunch Pavilion, Administration, Library, and Classroom Building/Classroom Building, and sheltered corridor #4 do not meet the eligibility standards nor character-defining features identified in the *Mid-Century Modernism/Regional Modernism* context. These buildings are not exemplary Modern style buildings. They do not reflect "aesthetic qualities derived from use of simply treated

materials and excellent craftsmanship; direct expression of structural systems; or the extensive use of sheltered exterior corridors." Although the Classroom Building addition and Cafeteria/Lunch Pavilion were designed by notable African American architect Harold Louis Williams, the buildings are utilitarian in design and are not significant examples of Williams' work. As clarified by the National Park Service, "a property is not eligible as the work of a master, however, simply because it was designed by a prominent architect." Instead, the work must "express a particular phase in the development of the master's career, an aspect of his or her work, or a particular idea or theme in his or her craft."[70] As such, the buildings at 49th Street Elementary School are not notable examples of Williams' craft within his greater oeuvre, compared with other more notable buildings such as the Compton City Hall (1976) and Compton Civic Center (1977). Moreover, buildings completed during the 1960s on the campus are not clearly expressive of the ideals for "informality, indoor-outdoor connections, and zoned planning" that was significant in the post-war era, as identified in the *Educating the Baby Boom: The Postwar, Modern, Functionalist School Plant, 1945-1980* context. As such, later development at the school does not contribute to the potential historic district.

The period of significance for 49th Street Elementary School under Criterion C/3/3 is 1935-1936, when the campus was redesigned in the PWA Moderne style.

Evaluation of Eligibility

Evaluation of the Potential Historic District for the National Register

The potential historic district appears to be significant under National Register Criteria A and C at the local level for its association with post-Long Beach Earthquake school development and meets the eligibility standards and character-defining features identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context. The PWA Moderne buildings also meet the eligibility standards and character-defining features identified in the *PWA Moderne* context. The school campus is important as a group of resources that dates from the school's post-earthquake redevelopment and reflects the construction and design ethos of the mid-1930s. For these reasons, the campus appears to meet the criteria for listing as a potential historic district on the National Register of Historic Places.

Evaluation of the Potential Historic District for the California Register

The potential historic district appears to be significant under California Register Criteria 1 and 3 for its for its association with post-Long Beach Earthquake school development and meets the eligibility standards and character-defining features identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context. The PWA Moderne buildings also meet the eligibility standards and character-defining features identified in the *PWA Moderne* context. The school campus is important as a group of resources that dates from the school's early development and reflects the construction and design ethos of the mid-1930s. For these reasons, the campus appears to meet the criteria for listing as a potential historic district on the California Register of Historical Resources.

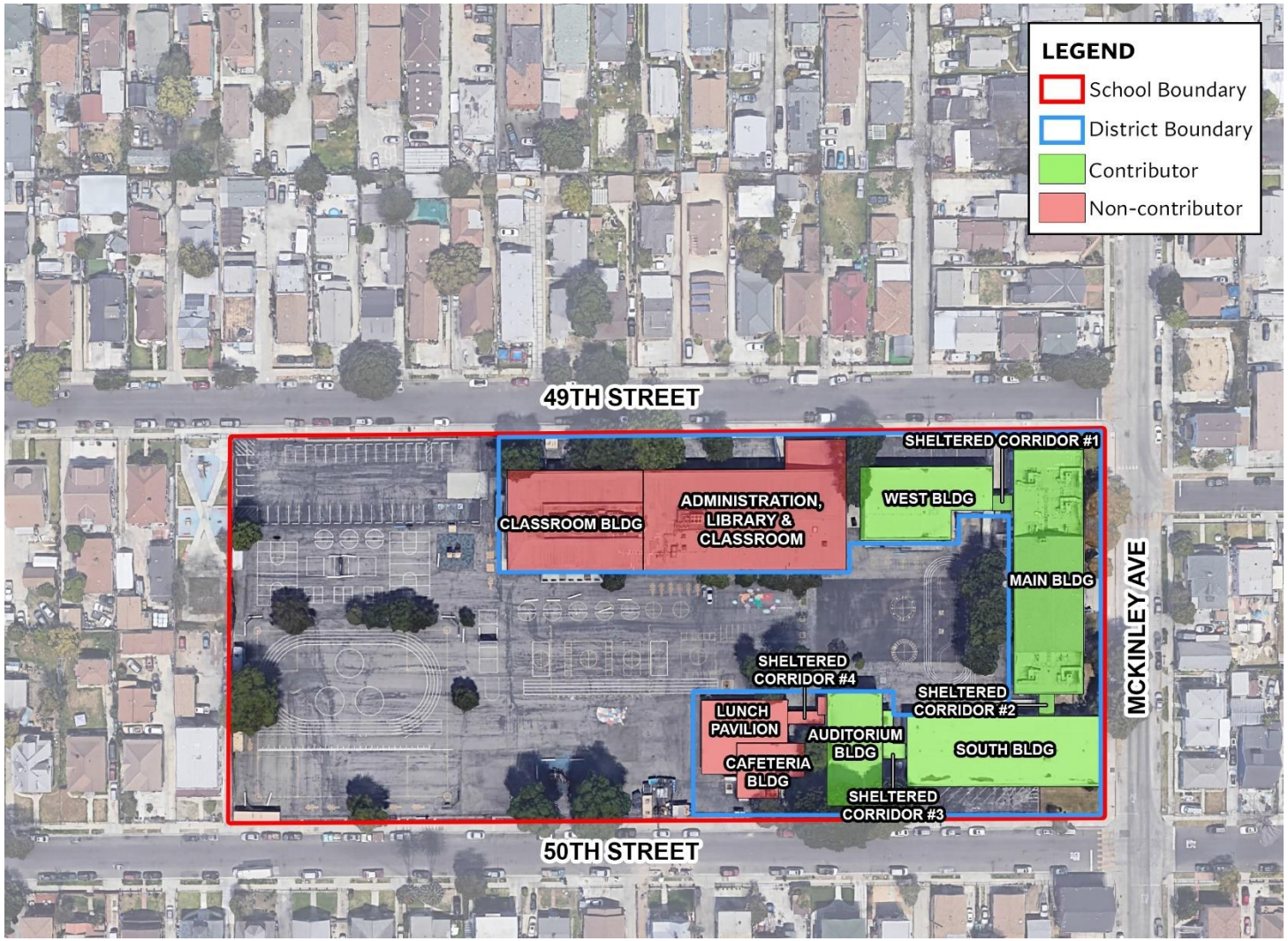
[70] National Park Service, "National Register Bulletin: How to Apply the National Register Criteria for Evaluation," 1995, 20.

Evaluation of the Potential Historic District for designation as an HCM

The potential historic district appears to be significant for local listing under Criteria 1 and 3 for its association with post-Long Beach Earthquake school development and meets the eligibility standards and character-defining features identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context. The PWA Moderne buildings also meet the eligibility standards and character-defining features identified in the *PWA Moderne* context. The school campus is important as a group of resources that dates from the school's early development and reflects the construction and design ethos of the mid-1930s. For these reasons, the campus appears to meet the criteria for listing as a City of Los Angeles HCM.

The location of contributing buildings and site features to the potential historic district as well as the district boundary is shown below in Figure 3.

Figure 3. Potential Historic District Map



49th Street Elementary School Historic Resources Evaluation Report

HISTORIC RESOURCES GROUP

6.3 Individual Assessment

The buildings and features of the 49th Street Elementary School campus have also been considered individually for their potential eligibility for listing in the National Register, California Register, and/or listing as a City of Los Angeles HCM.

HRG did not identify any individually eligible buildings located at 49th Street Elementary School. The West Building, Main Building, South Building, Auditorium Building and three sheltered corridors (#1, #2, and #3) are not individually exceptional examples of the PWA Moderne style of architecture. Instead, the school's significance is best represented as a historic district comprised of a cohesive collection of buildings from the 1930s. Additionally, the Administration, Library, and Classroom Building/ Classroom Building, Cafeteria/Lunch Pavilion, and sheltered corridor (#4), which date to the mid- to late-1960s were not found to be individually exceptional examples of the Mid-Century Modern/Regional Modern style of architecture. None of the buildings on the campus were found to be associated with significant personages or important events or periods of development. Instead, significance is derived from the cohesive collection of buildings on the campus.

Eligibility of Buildings and Features at 49th Street Elementary School

The following table identifies the construction year, integrity, and historic status for buildings and features that are extant on the 49th Street Elementary School campus today:

Table 2. Eligibility of Buildings and Features

Current Feature Name	Year Built	Integrity	Status
Buildings			
West Building	1923	Good	Contributor
Main Building	1935	Good	Contributor
South Building	1935	Good	Contributor
Auditorium Building	1936	Good	Contributor
Administration, Library, and Classroom Building/Classroom Building	1965/1969	N/A	Non-Contributor
Cafeteria/Lunch Pavilion	1969	N/A	Non-Contributor
Site Features			
Sheltered Corridors (#1, #2, #3)	1935-1936	Good	Contributor
Sheltered Corridor (#4)	1969	Good	Non-Contributor

7.0 Historic Integrity

Historic integrity is the ability of a property to convey its significance. It is defined as the "authenticity of a property's historic identity, evidenced by the survival of physical characteristics that existed during the property's historic period."[71] The National Park Service defines seven aspects of integrity: location, design, setting, materials, workmanship, feeling, and association.[72]

Assessment of Integrity

49th Street Elementary School contains a cohesive concentration of four contributing buildings and three contributing site features that dates from the period of significance and has been identified as the potential historic district. Integrity of the property's individual buildings is varied, and all buildings and features have been subject to varying levels of alteration. However, despite some degree of alteration, the property retains much of the circulation pattern and spatial relationships established during the period of significance that characterize the potential historic district as a whole. A detailed assessment of the integrity of the potential historic district is discussed below.

- **Location:** The buildings constructed during the period of significance remain in their original locations in the eastern region of the campus. Therefore, the campus retains integrity of *location*.
- **Design:** The campus retains the buildings and sheltered corridors constructed or remodeled as part of the 1935-1936 PWA Moderne style with Neoclassical elements design of the campus. These include the West Building, Main Building, South Building, Auditorium Building, and three sheltered corridors (#1, #2, and #3). These buildings/structures retain most of their character-defining features such as symmetrical, formal design, smooth wall surfaces, fluted piers, and ornamentation associated with the Neoclassical style of architecture. Despite some alterations, a majority of the essential physical features reflecting the original design and organization of the property as a school from the 1930s remain intact within the potential historic district. Therefore, the campus retains integrity of *design*.
- **Setting:** The potential historic district is located in the eastern region of the school property. The property continues to function as a public elementary school. The surrounding area of southeast Los Angeles has a whole has experienced some development, but remains a low-density residential neighborhood. Thus, the campus retains integrity of *setting*.
- **Materials:** The potential historic district retains most of its original materials. Contributors typically retain some physical elements from the period of significance, including original cladding, including smooth wall surfaces of plaster concrete, wood detailing as seen on the Neoclassical style ornaments, and some original windows and doors. Therefore, the potential historic district's integrity of *materials* has been compromised.
- **Workmanship:** The potential historic district retains the physical evidence of crafts of a particular culture or people during any given period in history or prehistory. This includes the contributors' construction methods and design choices, such as ornaments that reflect the Neoclassical style of architecture. Moreover, most exterior cladding and even detail work have been retained. Overall, the buildings continue to retain substantial physical evidence of period

[71] Ibid.
[72] *National Register Bulletin 15: How to Apply the National Register Criteria for Evaluation.* Washington D.C.: National Park Service, U.S. Department of Interior, 1995. (44-45)

construction techniques, including finishes and design elements, such as smooth plaster exteriors, fluted pilasters, lintel and sill courses, that reflect the character and identity of the potential historic district. Therefore, the campus retains integrity of *workmanship*.

- **Feeling:** The potential historic district retains most of the character-defining features of its original construction, including representative building types as well as spatial relationships and circulation patterns that are typical of campuses from this time. Because it retains all the preceding aspects, it continues to express the aesthetic or historic sense of a 1930s PWA Moderne elementary school. Thus, the campus retains integrity of *feeling*.
- **Association:** Association is the direct link between an important historic event or person and a historic property. Because the campus retains integrity of *location, design, setting, workmanship,* and *feeling*, it continues to convey its direct link to the development of safer public schools following the 1933 Long Beach Earthquake utilizing new design principals. Therefore, the campus retains integrity of *association*.

49th Street Elementary School retains integrity of *location, design, setting, workmanship, feeling,* and *association* from the identified period of significance. The therefore continues to convey its significance as a post-1933 Long Beach Earthquake school plant, and as an excellent example of a WPA Moderne campus design.

8.0 CHARACTER-DEFINING FEATURES

8.1 Character-Defining Features

Character-defining features are distinctive elements and physical features that convey the historical appearance of a property and are required for it to convey its historical significance. According to Preservation Brief 17, there is a stepped process to identifying character-defining features.[73] The first step involves assessing the distinguishing physical aspects of the building as a whole. This second step involves examining the building more closely. While on their own each of the elements above may not convey historical significance, in combination they define the property and convey the associations for which it is significant.

Tables 3 through 7 below are included to provide the character-defining features of each contributor to the potential historic district. These include aspects of each contributor's shape/form, roof, openings, projections, secondary features, materials, setting, and, if applicable, interior features. Additionally, as required by LAUSD, character-defining features are ranked according to primary, secondary, and tertiary importance in order to inform advanced planning.

[73] Lee Nelson, *Architectural Character—Identifying the Visual Aspects of Historic Buildings as an Aid to Preserving their Character,* Preservation Brief No. 17, U.S. Department of the Interior, National Park Service, Technical Preservation Services.

West Building

Table 3. Character-Defining Features of West Building

Type	Feature	Primary	Secondary	Tertiary
Shape/Form	"L"-shaped plan	X		
	1-story height	X		
Roof	Flat roof with metal coping	X		
Openings	Flush entrances with metal doors	X		
	Rhythm of windows and doors	X		
	Wood sash double-hung windows with lugs	X		
	Six-light transom light	X		
	Rectangular vents			X
Projections	Concrete wing wall		X	
Secondary Features	Rounded streamlined lintel course	X		
	Squared sill course	X		
Materials	Textured cement plaster exterior	X		
	Wood windows	X		
	Metal doors and canopies	X		X
Setting	Setback from 49th Street	X		
	Location, configuration, and spatial relationships	X		
Interior	Wood casings and baseboards		X	
	Arched ceiling		X	

Main Building

Table 4. Character-Defining Features of Main Building

Type	Feature	Primary	Secondary	Tertiary
Shape/Form	Rectangular plan	X		
	1-story height	X		
Roof	Side-gable and flat roof with metal coping	X		
Openings	Recessed street entrances along 49th Street and McKinley Avenue	X		
	Rhythm of windows and doors	X		
	Double-hung wood sash windows with lugs	X		
	Six-light transom lights	X		
	Sidelights	X		
	Rectangular, louvered vents			X
Projections	Concrete stairs to 49th Street and McKinley Avenue entrances	X		
	Parastedes and Balustrades	X		
	Chimney (stuccoed)		X	
Secondary Features	Decorative detailing including pediment, fluted pilasters, starbursts on return cornice, patera medallions, and dentils on pilaster capitals	X		
	Rounded streamlined lintel course	X		
	Squared sill course	X		
Materials	Textured cement plaster exterior	X		
	Wood windows	X		
	Metal doors	X		
Setting	Location, configuration, and spatial relationships	X		
	Setback from 49th Street, McKinley Avenue, and 50th Street	X		
Interior	Trophy case		X	
	Wood casings and baseboards		X	

South Building

Table 5. Character-Defining Features of South Building

Type	Feature	Primary	Secondary	Tertiary
Shape/Form	Rectangular plan	X		
	1-story height	X		
Roof	Flat roof with metal coping	X		
Openings	Recessed street entrance along McKinley Avenue	X		
	Fenestration pattern	X		
	Double-hung wood sash windows with lugs	X		
	Six-light transom lights	X		
	Rectangular, louvered vents			X
	Interior entrance into courtyard	X		
Projections	Concrete stairs to McKinley Avenue entrances	X		
	Concrete parastedes	X		
Secondary Features	Fluted pilasters on McKinley Avenue entrance	X		
	Rounded streamlined lintel course	X		
	Squared sill course	X		
Materials	Textured cement plaster exterior	X		
	Wood windows	X		
	Metal doors	X		
Setting	Location, configuration, and spatial relationships	X		
	Setback from McKinley Avenue	X		
Interior	Wood floors		X	
	Wood casings and baseboards		X	
	Cabinets		X	

Auditorium Building

Table 6. Character-Defining Features of Auditorium Building

Type	Feature	Primary	Secondary	Tertiary
Shape/Form	Rectangular plan	X		
	1-story height	X		
Roof	Truss roof with metal coping	X		
Openings	Flush entrances with metal doors	X		
	Fenestration pattern	X		
	Double-hung wood sash windows with lugs	X		
	Six-light transom lights	X		
	Sidelights		X	
	Rectangular vents			X
Projections	Concrete stairs along 50th Street entrance	X		
	Low, concrete parastedes with curvilinear metal pipe railings	X		
Secondary Features	Decorative detailing including pediment, fluted pilasters, patera medallions, and dentils on pilaster capitals along 50th Street entrance	X		
	Rounded streamlined lintel course	X		
	Squared sill course	X		
Materials	Textured cement plaster exterior	X		
	Wood windows	X		
Setting	Setback from 50th Street	X		
	Relationship to other contributing buildings	X		
Interior	Stage with proscenium framed by fluted pilasters supporting a stylized entablature	X		
	Beaded dado rail and plaster entablature	X		
	Industrial fire door		X	
	Restroom			X

Sheltered Corridors (3)

Table 7. Character-Defining Features of the Sheltered Corridors (3)

Type	Feature	Primary	Secondary	Tertiary
Shape/Form	Rectangular plan	X		
	1-story height with raised concrete slab	X		
Roof	Flat roofs	X		
Openings	Open sides with metal pipe guardrails	X		
Projections	Stairs centrally located along corridors with rounded metal pipe guardrails	X		
Secondary Features	Decorative detailing including scored squared wood columns and wood beam with scallop details	X		
Setting	Location, configuration, and spatial relationships	X		

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State of California ◆ The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 3S

Other Listings
Review Code Reviewer Date

Page 1 **of** 27 ***Resource Name or #:** (Assigned by recorder) 49th Street Elementary School
P1. Other Identifier:
***P2. Location:** ☐ **Not for Publication** ■ **Unrestricted**
***a. County** Los Angeles County
***b. USGS 7.5' Quad** Inglewood **Date** 2021 **T** 2S; **R** 13W; __ **of** __ **of Sec** __ **B.M.**
c. Address 750 E. 49th Street **City** Los Angeles **Zip** 90011
d. UTM: (Give more than one for large and/or linear resources) **Zone** 11S, 383430 **mE**/ 3762499 **mN**
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate) APN: 5108-11-909; 5108-909-910
***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The 49th Street Elementary School campus occupies approximately 5.7 acres. The campus is bounded to the north by East 49th Street, to the east by McKinley Avenue, to the south by East 50th Street, and to the west by single-family residences. The school campus is occupied by five (5) permanent buildings, one (1) permanent structure, four (4) sheltered corridors, and various open spaces. There is one (1) portable building, the Mechanical Shed.

The buildings are clustered along the northern, eastern, and southern boundaries of the campus, forming a "U" shape around a central play yard. Most of the campus consists of play yards and parking areas paved in asphaltic concrete and surrounded by chain link fencing. Landscaping is limited to lawns, shrubs, some trees in narrow setbacks along the three street frontages, and scattered trees in the play yards. The school is currently accessed via a pedestrian entrance on the north side of the Administration, Library & Classroom Building along E. 49th Street. *(See Continuation Sheet)*

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



***P3b. Resource Attributes:** HP15: Educational Building
***P4. Resources Present:** ☐Building ☐Structure ☐Object ☐Site ■District ☐Element of District ☐Other (Isolates, etc.)
P5b. Description of Photo: (view, date, accession #) View facing west, March 2022
***P6. Date Constructed/Age and Source:** ■ Historic ☐ Prehistoric ☐ Both
1935-1936 (Historic District)
***P7. Owner and Address:**
Los Angeles Unified School District
333 S. Beaudry Avenue
Los Angeles, California 90017
***P8. Recorded by:** (Name, affiliation, and address)
Alexandra Madsen and Ani Mnatsakanyan
Historic Resources Group
12 S. Fair Oaks Avenue, Suite 200
Pasadena, CA 91105
***P9. Date Recorded:** June 2022
***P10. Survey Type:** (Describe)
Intensive

***P11. Report Citation**: (Cite survey report and other sources, or enter "none.") Historic Resources Group,"49th Street Elementary School Historic Resources Evaluation Report," June 2022, prepared for the Los Angeles Unified School District.

***Attachments:** ☐ NONE ☐ Location Map ■Continuation Sheet ■Building, Structure, and Object Record
☐Archaeological Record ☐ District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record
☐Artifact Record ☐Photograph Record ☐ Other (List):

State of California ♦ The Resources Agency Primary #
DEPARTMENT OF PARKS AND RECREATION HRI#

BUILDING, STRUCTURE, AND OBJECT RECORD

***Resource Name or #** (Assigned by recorder) 49th Street Elementary School ***NRHP Status Code** 3S
Page 2 **of** 27
B1. Historic Name: 49th Street Elementary School
B2. Common Name: 49th Street Elementary School
B3. Original Use: Educational B4. Present Use: Educational
***B5. Architectural Style:** PWA Moderne with Neoclassical elements
***B6. Construction History:**
The 49th Street Elementary School is situated in the Southeast neighborhood of Los Angeles. Prior to the development of the school, the block that comprises the school campus was developed with single-family residences. The first construction phase of 49th Street Elementary School was completed in the early 1910s, and the school was dedicated in 1914. The school campus was designed by Frank K. Krucker and Harry C. Deckbar of Krucker and Deckbar.

At the time of its dedication, the *San Pedro Pilot* recorded that 49th Street Elementary School was "said to be the latest and best in school buildings in the entire city." The campus initially consisted of one main building located near McKinley Avenue and two smaller classrooms near the west side of the lot. A photograph from the period shows the 2-story masonry building that was constructed in 1913. In 1923, a single two-story brick building (West Building) was also built on the site.

(See Continuation Sheet)

***B7. Moved?** ■**No** ☐**Yes** ☐**Unknown** **Date:** **Original Location:**
***B8. Related Features:**

B9a. Architect: Harry C. Deckbar b. Builder: Johnson & Dahlquist
***B10. Significance:** **Theme** Post-1933 Long Beach Earthquake School Plants, 1933-1945; PWA Moderne **Area** Education
Period of Significance 1935-1936 **Property Type** Institutional/Educational **Applicable Criteria** A/1/1 and C/3/3

Findings
HRG identified a single potential historic district at the 49th Street Elementary School with a period of significance from 1935 to 1936. The potential historic district was found eligible for listing in the National Register and California Register, and for designation as a City of Los Angeles HCM under Criteria A/1/1 and C/3/3.

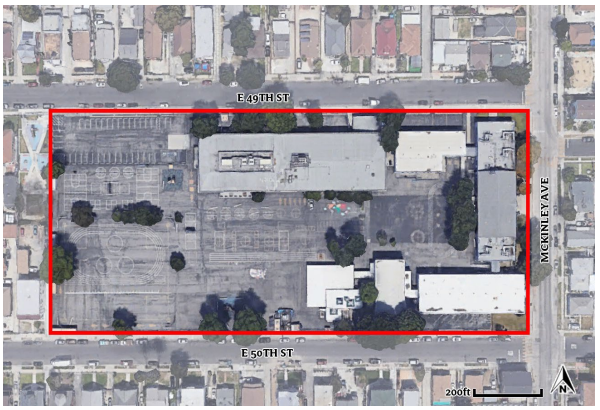
(See Continuation Sheet)

B11. Additional Resource Attributes: (List attributes and codes) None

***B12. References:**
"49th Street School History Highlighted," *Southside Journal*, February 17, 1972.
(See Continuation Sheet)

B13. Remarks:
***B14. Evaluator:** Alexandra Madsen, Historic Resources Group
***Date of Evaluation:** June 2022

(Sketch Map with north arrow required.)



(This space reserved for official comments.)

***P3a. Description: (Continued…)**

Administration, Library, and Classroom Building/Classroom Building

The Administration, Library, and Classroom Building was constructed in 1965; an addition, known as the Classroom Building, was constructed in 1969. Together they form a two-story building with a rectangular plan and a one-story projection on the north façade. It has complex massing and asymmetrical composition. The two-story volume has a low-pitched hipped roof with plaster eave soffits and a canted fascia; the one-story volume has an asymmetrical front gable roof with open eaves and overhanging rakes. The exterior walls are finished in brick veneer, scored concrete, and textured cement plaster. Fenestration consists primarily of ribbons of four-light fixed and two-over-two double-hung aluminum sash windows at the east portion of the building; and high ribbon windows on the west portion. The primary entrance is asymmetrically located on the north (primary) façade and consists of a pair of partially glazed, divided light doors with sidelights and transom light, accessed by a projecting porch. There is an exterior metal staircase on the west façade with guardrails of metal mesh and metal pipe.

West Building

The West Building was constructed in 1923 and altered in 1935. It is a one-story building with a roughly "L"-shaped plan, simple massing, and asymmetrical composition. It has a flat roof with a low parapet. The exterior walls are finished in textured cement plaster and articulated with continuous header and sill courses. Fenestration consists primarily of three-over-three wood sash double hung windows in single or coupled configurations, some with transom panels and others with projecting subsills. The primary entrance is asymmetrically located on the south façade and consists of a pair of flush doors with a six-light transom light; the doors are accessed by a wide concrete stoop and steps with a shaped plastered parapet. Two secondary entrances on the south façade consist of flush doors with metal canopies, accessed by a concrete ramp and steps with metal pipe guardrails.

The interior of the West Building is divided into several spaces. Most classrooms are accessible via a central hallway. Two additional rooms, a classroom and kitchen, are accessible via the concrete ramp along the primary façade. The building's interior has tile flooring, plaster walls, and acoustical tile ceilings. It has flush wood doors with flat wood casings and baseboards; some doors have flush wood transom panels. The kitchen/staff room features wood cabinets.

Main Building

The Main Building was designed by architect Harry C. Deckbar and constructed in 1935. It is a PWA Moderne style one-story building with a rectangular plan, balanced but not strictly symmetrical composition, and complex massing consisting of a central volume flanked by wings. The central volume has a moderately pitched side gable roof with asphalt composition shingle roofing and a continuous eave cornice; the flanking wings have flat roofs with built-up roofing. The exterior walls are finished in textured cement plaster and articulated with continuous header and sill courses. The east (primary) façade of the central volume is framed with stylized fluted pilasters. Fenestration consists primarily of horizontal groupings of six-over-six and eight-over-eight double hung wood sash windows; some window openings are infilled with solid panels. The primary entrance, now blocked features some Neoclassical elements, is symmetrically located on the east façade of the central block and consists of solid panels in the configuration of doors with sidelights and transom lights, with reeded jambs and a stylized architrave. It is recessed under a pedimented gable supported on stylized fluted pilasters and flanked by wood posts. The entrance is accessed by a wide flight of concrete steps with parastedes and balustrades. There is a secondary entrance on the north façade, consisting of a pair of flush doors in a rectangular recess flanked by stylized fluted pilasters and accessed by concrete steps with parastedes.

The interior of the Main Building features a central hallway that opens to classrooms. The building has resilient tile floors, plaster walls, and acoustical tile ceilings. It has wood baseboards and casings. Most interior doors in this building feature transom panels. A wood trophy case is located in the hallway.

South Building

The South Building was designed by architect Harry C. Deckbar and constructed in 1935. It is a one-story PWA Moderne style building with a rectangular plan, simple massing, and a flat roof with a low parapet and metal coping. The exterior walls are finished in textured cement plaster and articulated with continuous header and sill courses. Fenestration consists primarily of horizontal groupings of six-over-six double hung wood sash windows; some window openings are infilled with solid panels. The east façade is symmetrically composed around the primary entrance, which consists of a pair of flush doors with a divided-light transom light in a rectangular recess flanked by stylized reeded pilasters. The entrance is accessed by a flight of concrete steps with concrete parastedes.

The interior of the South Building features a central hallway that opens to classrooms. It has wood and resilient tile floors, plaster walls, and acoustical tile ceilings. It has wood cabinets, radiators, and ceramic water fountains.

***P3a. Description: (Continued…)**

Auditorium Building

The Auditorium Building was designed by architect Harry C. Deckbar and constructed in 1936. It is a PWA Moderne style one-story building with a rectangular plan, simple massing, and symmetrical composition and a bow truss roof. The exterior walls are finished in textured cement plaster and articulated with piers and a continuous stringcourse and sill course; the corners are highlighted with wide, channeled piers. Fenestration consists primarily of six-over-six double hung wood sash windows. The primary entrance is symmetrically located on the south façade and consists of a pair of flush doors with a transom panel and architrave, in a rectangular recess framed by stylized fluted pilasters supporting a pediment. The entrance is accessed by a concrete staircase flanked with parastedes and curvilinear metal pipe railings. Secondary entrances on the east and west façades consist of flush doors with metal hoods, accessed by concrete steps with metal pipe guardrails.

The interior of the Auditorium Building features an open auditorium space with a restroom set behind the stage. The building has a raked floor with resilient tile flooring, acoustical tile ceiling, and fixed seating. The walls are plaster with a wood baseboard, beaded dado rail, and plaster entablature. The stage has a proscenium framed with fluted pilasters supporting a stylized entablature.

Cafeteria/Lunch Pavilion

The Cafeteria/Lunch Pavilion was constructed in 1969. It is a one-story building with an irregular plan, complex massing and asymmetrical composition. It is composed of two distinct parts: a kitchen with an L-shaped plan, shed roofs with boxed eaves and rakes, and exterior walls finished in cement plaster; and an open-sided shelter wrapping the north and west sides of the kitchen, with a flat roof supported on wood beams, concrete masonry columns and tube steel posts. The entrance consists of a flush door. Fenestration consists of a grouping of three windows with metal security screening, and service windows with metal roll-up shutters and metal security screens.

Sheltered Corridors (4)

There are four sheltered corridors on the campus, which connect separate buildings. Two elevated sheltered corridors from the 1930s (#1 and #2) connect the Main Building to the West and South Buildings. They have flat roofs with plaster soffits, wood beams with scalloped friezes, wood posts, scored concrete paving, and metal pipe guardrails. A third sheltered corridor dating from the 1930s (#3) connects the South Building to the Auditorium Building. It has a flat roof with plaster fascias and soffit supported on paired metal pipe columns, on concrete curbs with metal pipe guardrails. A fourth sheltered corridor (#4) dates from the 1960s and connects the Auditorium Building to the Lunch Pavilion; it has a flat roof supported on square steel tube posts.

***B6. Construction History (Continued…):**

The 1933 Long Beach earthquake, and then the 1934 Field Act, hastened the need for widespread school repairs and new construction, which accelerated the stylistic shift during this period. Following the Long Beach Earthquake of 1933, the Los Angeles Unified School District decided to modernize the 49th Street campus.As a result, the original main building on the campus was demolished. As recorded in the *Illustrated Daily News,* "excellent brick and steel construction now being demolished and none of which failed, but many tons of ornamental concrete fell to the ground."

While new buildings were under construction, classes were temporarily held in tents on the campus grounds. The only building that was retained and retrofitted following the Long Beach Earthquake was the West Building, which is located in the northeastern region of the campus.

Between 1933 and 1935, the school district spent approximately $2 million in rehabilitating schools in South Los Angeles, including 49th Street Elementary School. The 49th Street Elementary School received over $109,000, which was allotted for the construction of two new buildings (Main Building and South Building) and the reconstruction of a one-story school building (West Building). Work was completed by architect Harry C. Deckbar and contractors Johnson & Dahlquist. The Main Building and South Building are both single-story wood frame buildings with concrete foundations and cement plaster exteriors. Deckbar also redesigned the West Building. Originally a two-story building, the West Building's second story was removed, and the building was reclad with cement plaster exteriors to match the design of the Main Building and South Building.

In 1936, Deckbar also designed the school's 1-story Auditorium Building. Unlike the other new buildings on the site, which were of wood frame construction, the Auditorium Building was of reinforced concrete and steel construction. Harold A. Nelson served as the structural engineer and Brunzell & Jacobson served as the general contractors.

A cafeteria building was also constructed at this time near the South Building; this cafeteria is no longer extant. All buildings designed by Deckbar were completed in the PWA Moderne style of architecture with some Neoclassical elements.

***B6. Construction History (Continued…):**

The school underwent some alterations in the 1950s. In 1950, a permit was issued to repair the school's storage shed, located at the west end of the parcel, to conform to code. Simultaneously, a separate permit was issued for a 1-story building for temporary classrooms, which was located to the west of the West Building along 49th Street. The repair work and temporary classrooms were designed by architect E.R.C. Billerbeck (not extant).

In the 1950s and 1960s, several additional classroom buildings were constructed on site. In 1952, a new 2-room classroom building was built, designed by A.B. Niebecker, Jr (not extant). In 1960, architect Kenneth N. Bergstrom designed a larger classroom building, constructed by Carter Mack Building Inc. for the school (not extant). Both of these buildings were demolished in the late 1960s. These non-extant buildings are visible in a Sanborn Fire Insurance Map from 1950.

The Administration, Library & Classroom building was designed by Kent Attridge & Associates in 1965. In 1969, an addition was added to the west of the building (Classroom Building), designed by Harold L. Williams & Associates. Williams also designed the new Cafeteria/Lunch Pavilion that same year. The Administration, Library & Classroom Building/Classroom Building comprise a single building, but where they are joined is visually distinctive from the interior. The building is visible in an historical aerial photograph from 1971. In 1969, over 1,000 parents and community residents toured the new classrooms, school facilities, and newly completed 2-story annex building at the 49th Street Elementary School.

In 1972, several buildings on campus were renamed in honor of black Americans during "Negro History Week." The theme of the program was "cementing Black greatness in the community," and names were chosen from those Black Americans who have made great contributions to the history and culture of the United States.

Alterations to extant buildings on the 49th Street Elementary School campus are limited, and the school overall retains many of its character-defining features. The West Building was altered with cement plaster exterior and interior remodeling following the Long Beach Earthquake. The cupola on the Main Building was removed in the mid- to late-1970s. The Classroom Building was added to the Administration, Library, and Classroom Building as an addition in 1969.

Interior alterations have been extensive and include new resilient tile flooring, acoustical tile ceilings, the removal of interior transom lights, and alterations to fixtures. Some character-defining features have been retained, such as window and door surrounds, wood cabinets, radiators, and transom openings.

***B10. Significance (Continued…):**

HRG identified a single potential historic district at the 49th Street Elementary School with a period of significance from 1935 to 1936. The potential historic district was found eligible for listing in the National Register and California Register, and for designation as a City of Los Angeles HCM under Criteria A/1/1 and C/3/3.

Historic Significance

Criterion A/1/1

49th Street Elementary School is significant under National Register Criterion A, California Register Criterion 1, and City of Los Angeles HCM Criterion 1 within the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context of the LAUSD Historic Context Statement. The West Building, Main Building, South Building, Auditorium Building, and sheltered corridors (#1, #2, and #3) of the 49th Street Elementary School were constructed following the Long Beach Earthquake of 1933. The campus directly reflects a design shift resulting from this major natural disaster, when school plants were reimagined for longevity in a specifically Southern California environment. These buildings meet several eligibility standards established by this context. The 49th Street Elementary School exemplifies post-Long Beach earthquake school planning and requirements of the 1934 Field Act; has one-story massing; and retains most of the associative and character-defining features from the period of significance. Character-defining features of the context that are present on the campus include: "wood frame construction; generous expanses of windows; stylistically streamlined; and … the PWA Streamline Moderne style" as identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context. As a cohesively as a campus, the 49th Street Elementary School also retains character-defining features identified by the context including a "unified site plan; connecting sheltered corridors throughout campus; emphasis on a more expansive site plan; varied collection of buildings, differentiated by function and use; elaborate administration building, located near the campus entrance." Therefore, the 49th Street Elementary School meets the eligibility standards and character-defining features identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context.

***B10. Significance (Continued…):**

Following the comprehensive redesign of the school in the 1930s, subsequent expansion of the school was completed in a piecemeal fashion in the 1960s as the population expanded and the school required additional space. Between 1965 and 1969, the Cafeteria/Lunch Pavilion, Administration, Library, and Classroom Building/Classroom Building, and sheltered corridor #4 were constructed. These buildings/structures do not meet the eligibility standards nor character-defining features identified in the *Educating the Baby Boom: The Postwar Modern, Functionalist School Plant, 1945-1980.* They do not reflect a "unified, functional site design, with buildings extending across the site and oriented in relation to outdoor spaces, do not exhibit "finger-like" wings; one-story massing; and do not exhibit the finger-plan or cluster-plan school." Moreover, buildings from this period do not "turn inward towards green spaces; do not reflect a series of axial, modular units; and do not display a modern design idiom, usually either regional modernist (with use of native materials such as stone, brick, and wood siding and/or framing)." For this reason, later development in the 1960s does not contribute to the potential historic district.

The period of significance for 49th Street Elementary School under Criterion A/1/1 spans from 1935 to 1936, during which architect Harry C. Deckbar designed the PWA Moderne-style school plant.

The campus was redesigned in the 1930s, around the time that the immediate vicinity was transforming into a largely Black community. As outlined in the "Historic Resources Associated with African Americans in Los Angeles" National Register Nomination, "To be eligible under Criterion A, schools must have been constructed during the period of significance (prior to 1958) and need to represent some aspect of African American history in Los Angeles. They may reflect a particular milestone in the community's struggle for equal access to education or equal access to employment opportunities in the field of education" (Grimes 2008).

Although 49th Street Elementary School was constructed during the period of significance research did not indicate that the school was significant for its association with African American development patterns and was not the site of significant events associated with this community. Instead, as outlined in history of Central Avenue context in Section 4, the Black community was increasingly centered around Central Avenue corridor as a result of rezoning to the north and surrounding restrictive housing. The school's increasingly African American student body was thus the result of de factor segregation and did not reflect a significance milestone in the community's struggle for equal access. Therefore, 49th Street Elementary School does not appear eligible for listing based on association with the African American community.

Criterion B/2/2
No information was found to suggest that the 49th Street Elementary School was associated with any historic personages, nor that any other individuals of historic significance were associated with the property. Therefore, the 49th Street Elementary School is not eligible for listing under Criterion B/2/2.

Criterion C/3/3
49th Street Elementary School is also significant under National Register Criterion C, California Register Criterion 3 and City of Los Angeles HCM Criterion 3 within the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* and the *PWA Moderne* contexts of the LAUSD Historic Context Statement. The West Building, Main Building, South Building, Auditorium Building, and sheltered corridors (#1, #2, and #3) of the 49th Street Elementary School embody the distinctive characteristics of a type, period, and method of construction, notably that of PWA Moderne-style buildings. Buildings at the campus dating to 1935-1936 were designed or remodeled by architect Harry C. Deckbar, who incorporated the clean lines of the PWA Moderne style with the popular Neoclassical style to create a unique stylistic vocabulary on the campus. Buildings reflect the planning and design concepts of the period, including "one-story massing; general expanses of windows; unified site plan with central courtyard; and sheltered corridors throughout campus."

As identified in the *PWA Moderne* context, the buildings feature "symmetrical, formal design composition and massing; smooth wall surfaces; and piers, often fluted or reeded." The buildings at 29th Street Elementary School also incorporate "elements of a number of styles, including Classical Revival," as the context identifies as typical of PWA Moderne styles. Furthermore, as identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context, buildings designed during this period all reflect the period's emphasis on a varied collection of buildings differentiated by function and use, such as a separate auditorium. Features constructed in the mid-1930s include the Main Building, South Building, Auditorium Building, and three associated sheltered corridors (#1, #2, and #3). The West Building was also remodeled to follow the design vocabulary of the campus.

*Recorded by: Historic Resources Group *Date: June 2022 ■ Continuation ☐ Update

***B10. Significance (Continued…):**

Buildings constructed during the 1960s were constructed incrementally with later additions completed to accommodate an increase in population. The Cafeteria/Lunch Pavilion, Administration, Library, and Classroom Building/Classroom Building, and sheltered corridor #4 do not meet the eligibility standards nor character-defining features identified in the *Mid-Century Modernism/Regional Modernism* context. These buildings are not exemplary Modern style buildings. They do not reflect "aesthetic qualities derived from use of simply treated materials and excellent craftsmanship; direct expression of structural systems; or the extensive use of sheltered exterior corridors."

Although the Classroom Building addition and Cafeteria/Lunch Pavilion were designed by notable African American architect Harold Louis Williams, the buildings are utilitarian in design and are not significant examples of Williams' work. As clarified by the National Park Service, "a property is not eligible as the work of a master, however, simply because it was designed by a prominent architect." Instead, the work must "express a particular phase in the development of the master's career, an aspect of his or her work, or a particular idea or theme in his or her craft." As such, the buildings at 49th Street Elementary School are not notable examples of Williams' craft within his greater oeuvre, compared with other more notable buildings such as the Compton City Hall (1976) and Compton Civic Center (1977). Moreover, buildings completed during the 1960s on the campus are not clearly expressive of the ideals for "informality, indoor-outdoor connections, and zoned planning" that was significant in the post-war era, as identified in the *Educating the Baby Boom: The Postwar, Modern, Functionalist School Plant, 1945-1980* context. As such, later development at the school does not contribute to the potential historic district.

The period of significance for 49th Street Elementary School under Criterion C/3/3 is 1935-1936, when the campus was redesigned in the PWA Moderne style. Contributors to the historic district are the West Building, Main Building, South Building, Auditorium Building, and Sheltered Corridors #1, #2, and #3.

Evaluation of Eligibility

Evaluation of the Potential Historic District for the National Register

The potential historic district appears to be significant under National Register Criteria A and C at the local level for its association with post-Long Beach Earthquake school development and meets the eligibility standards and character-defining features identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context. The PWA Moderne buildings also meet the eligibility standards and character-defining features identified in the *PWA Moderne* context. The school campus is important as a group of resources that dates from the school's post-earthquake redevelopment and reflects the construction and design ethos of the mid-1930s. For these reasons, the campus appears to meet the criteria for listing as a potential historic district on the National Register of Historic Places.

Evaluation of the Potential Historic District for the California Register

The potential historic district appears to be significant under California Register Criteria 1 and 3 for its for its association with post-Long Beach Earthquake school development and meets the eligibility standards and character-defining features identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context. The PWA Moderne buildings also meet the eligibility standards and character-defining features identified in the *PWA Moderne* context. The school campus is important as a group of resources that dates from the school's early development and reflects the construction and design ethos of the mid-1930s. For these reasons, the campus appears to meet the criteria for listing as a potential historic district on the California Register of Historical Resources.

Evaluation of the Potential Historic District for designation as an HCM

The potential historic district appears to be significant for local listing under Criteria 1 and 3 for its association with post-Long Beach Earthquake school development and meets the eligibility standards and character-defining features identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context. The PWA Moderne buildings also meet the eligibility standards and character-defining features identified in the *PWA Moderne* context. The school campus is important as a group of resources that dates from the school's early development and reflects the construction and design ethos of the mid-1930s. For these reasons, the campus appears to meet the criteria for listing as a City of Los Angeles HCM.

Historic integrity is the ability of a property to convey its significance. It is defined as the "authenticity of a property's historic identity, evidenced by the survival of physical characteristics that existed during the property's historic period." The National Park Service defines seven aspects of integrity: location, design, setting, materials, workmanship, feeling, and association.

***B10. Significance (Continued…):**

Assessment of Integrity

49th Street Elementary School contains a cohesive concentration of four contributing buildings and three contributing site features that dates from the period of significance and has been identified as the potential historic district. Integrity of the property's individual buildings is varied, and all buildings and features have been subject to varying levels of alteration. However, despite some degree of alteration, the property retains much of the circulation pattern and spatial relationships established during the period of significance that characterize the potential historic district as a whole. A detailed assessment of the integrity of the potential historic district is discussed below.

Location: The buildings constructed during the period of significance remain in their original locations in the eastern region of the campus. Therefore, the campus retains integrity of *location*.

Design: The campus retains the buildings and sheltered corridors constructed or remodeled as part of the 1935-1936 PWA Moderne style with Neoclassical elements design of the campus. These include the West Building, Main Building, South Building, Auditorium Building, and three sheltered corridors (#1, #2, and #3). These buildings/structures retain most of their character-defining features such as symmetrical, formal design, smooth wall surfaces, fluted piers, and ornamentation associated with the Neoclassical style of architecture. Despite some alterations, a majority of the essential physical features reflecting the original design and organization of the property as a school from the 1930s remain intact within the potential historic district. Therefore, the campus retains integrity of *design*.

Setting: The potential historic district is located in the eastern region of the school property. The property continues to function as a public elementary school. The surrounding area of southeast Los Angeles has a whole has experienced some development, but remains a low-density residential neighborhood. Thus, the campus retains integrity of *setting*.

Materials: The potential historic district retains most of its original materials. Contributors typically retain some physical elements from the period of significance, including original cladding, including smooth wall surfaces of plaster concrete, wood detailing as seen on the Neoclassical style ornaments, and some original windows and doors. Therefore, the potential historic district's integrity of *materials* has been compromised.

Workmanship: The potential historic district retains the physical evidence of crafts of a particular culture or people during any given period in history or prehistory. This includes the contributors' construction methods and design choices, such as ornaments that reflect the Neoclassical style of architecture. Moreover, most exterior cladding and even detail work have been retained. Overall, the buildings continue to retain substantial physical evidence of period construction techniques, including finishes and design elements, such as smooth plaster exteriors, fluted pilasters, lintel and sill courses, that reflect the character and identity of the potential historic district. Therefore, the campus retains integrity of *workmanship*.

Feeling: The potential historic district retains most of the character-defining features of its original construction, including representative building types as well as spatial relationships and circulation patterns that are typical of campuses from this time. Because it retains all the preceding aspects, it continues to express the aesthetic or historic sense of a 1930s PWA Moderne elementary school. Thus, the campus retains integrity of *feeling*.

Association: Association is the direct link between an important historic event or person and a historic property. Because the campus retains integrity of *location*, *design*, *setting*, *workmanship,* and *feeling*, it continues to convey its direct link to the development of safer public schools following the 1933 Long Beach Earthquake utilizing new design principals. Therefore, the campus retains integrity of *association*.

49th Street Elementary School retains integrity of *location*, *design*, *setting, workmanship, feeling*, and *association* from the identified period of significance. The therefore continues to convey its significance as a post-1933 Long Beach Earthquake school plant, and as an excellent example of a WPA Moderne campus design.

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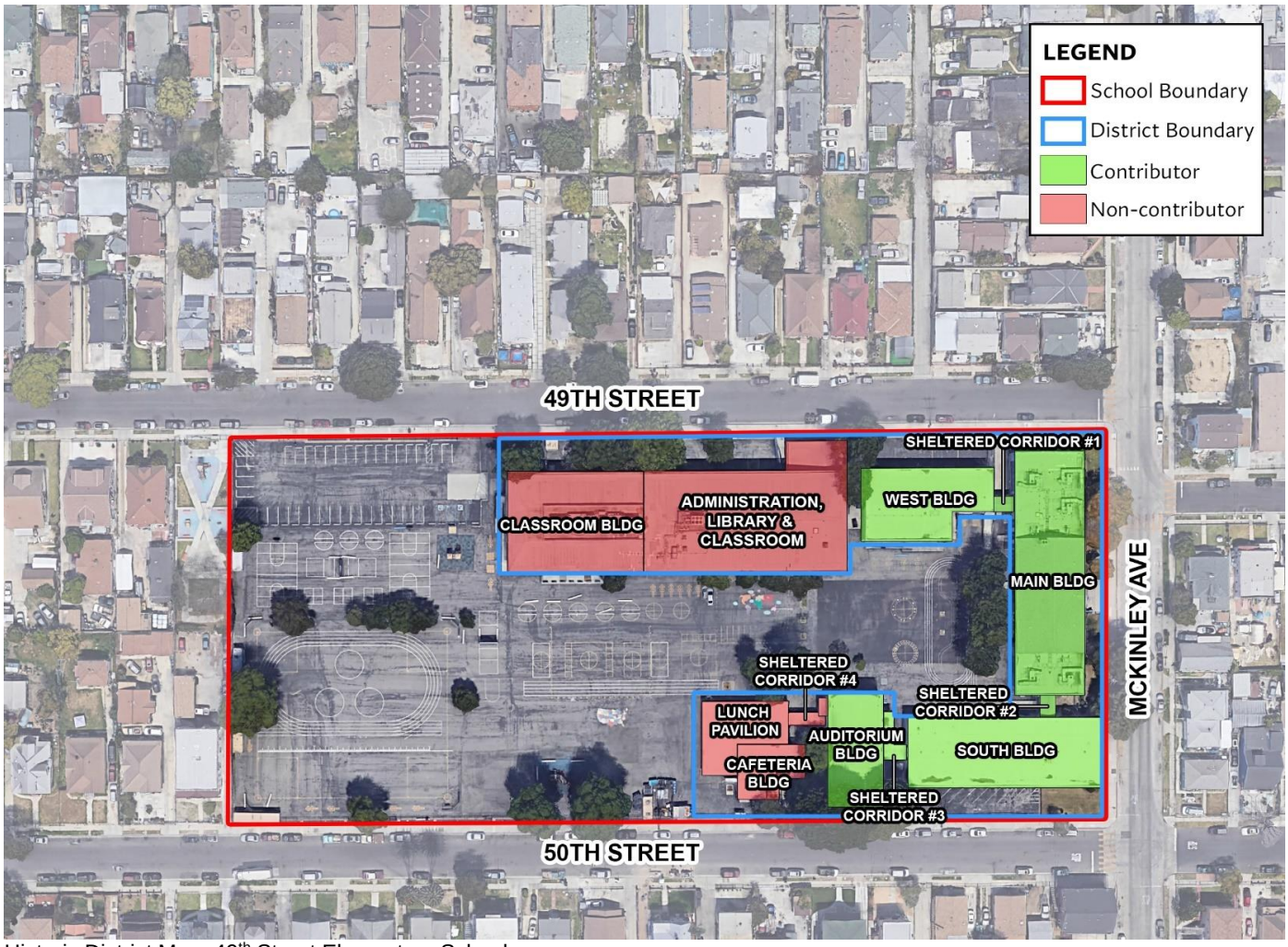
Additional Documentation



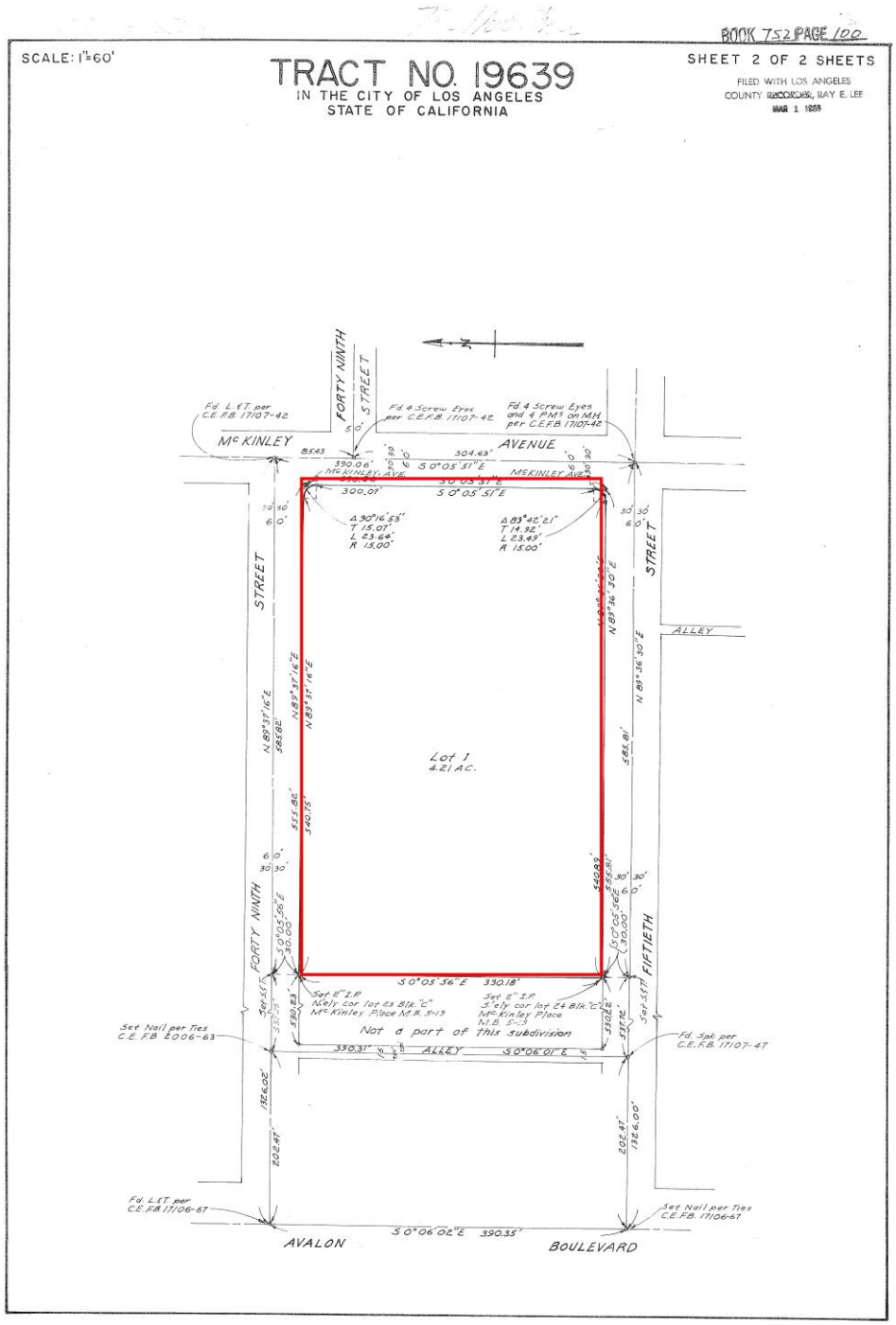
Historic District Map, 49th Street Elementary School

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary #
HRI#
Trinomial 3S

***Recorded by:** Historic Resources Group ***Date:** June 2022 ■ Continuation ☐ Update

Additional Documentation

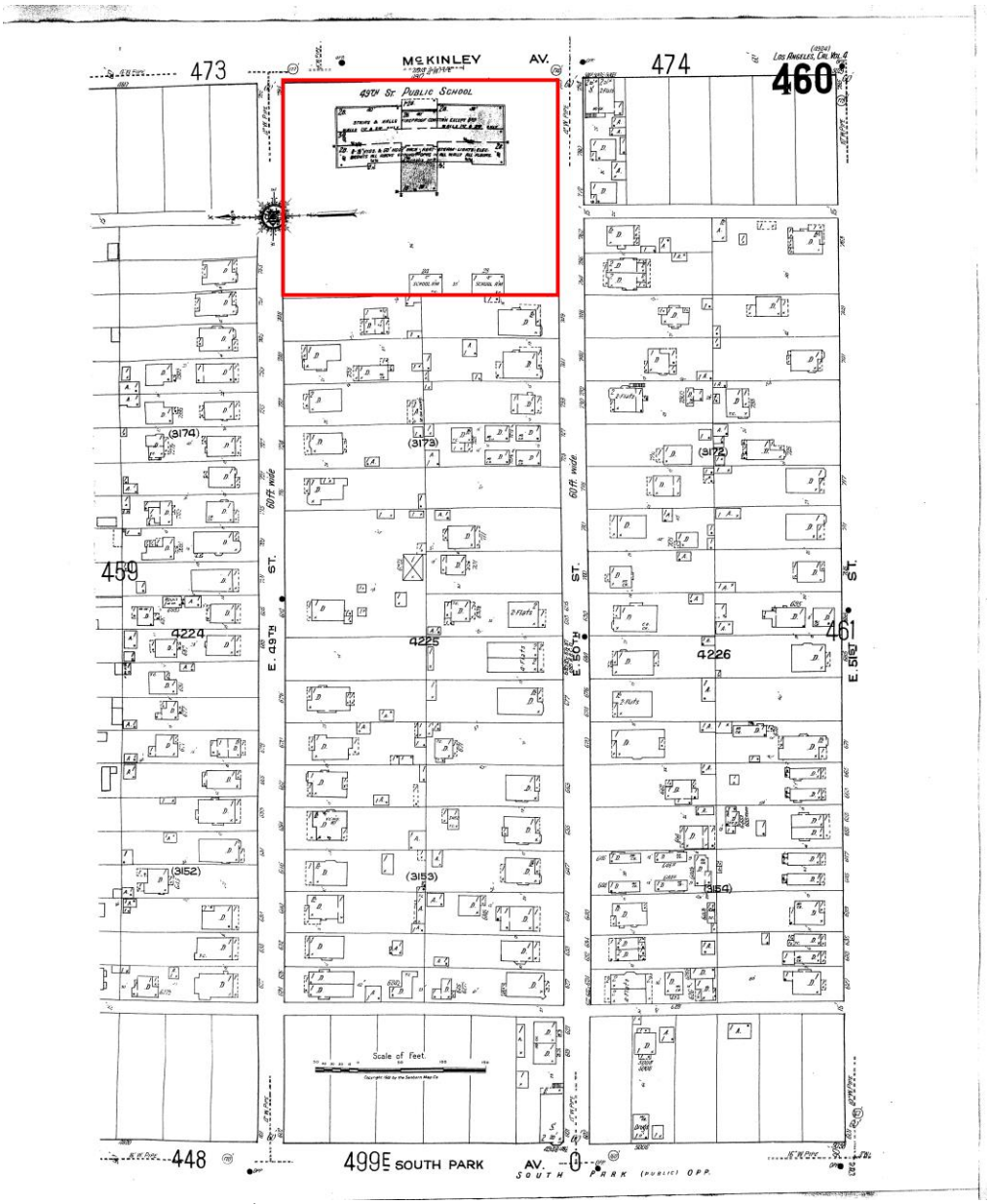


Tract No. 19639; 49th Street School outlined in red.

***Required information**

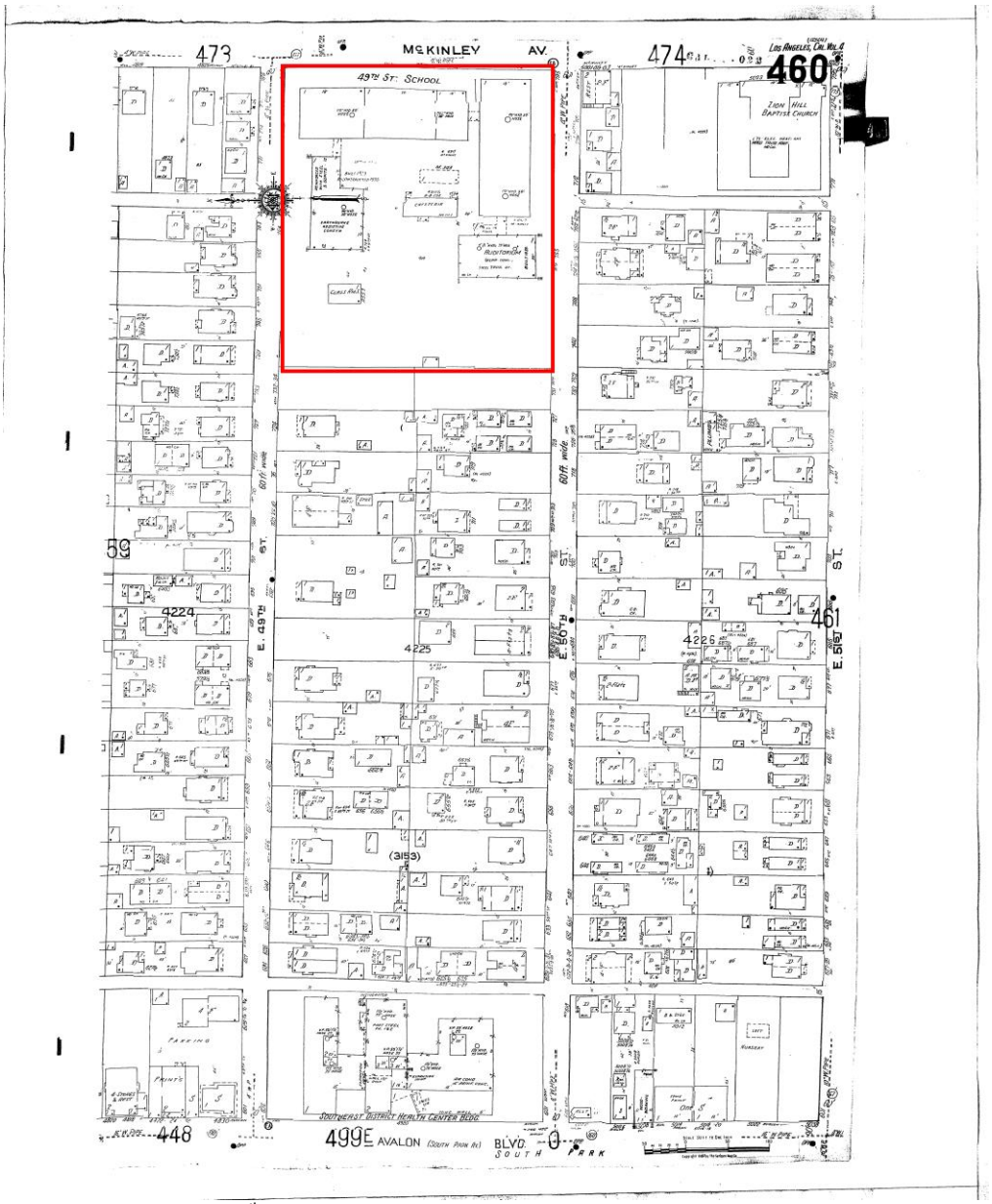
*Recorded by: Historic Resources Group *Date: June 2022 ■ Continuation ☐ Update

Additional Documentation



Sanborn Map, 1922; 49th Street School outlined in red.

Additional Documentation



Sanborn Map, 1950; 49th Street School outlined in red.

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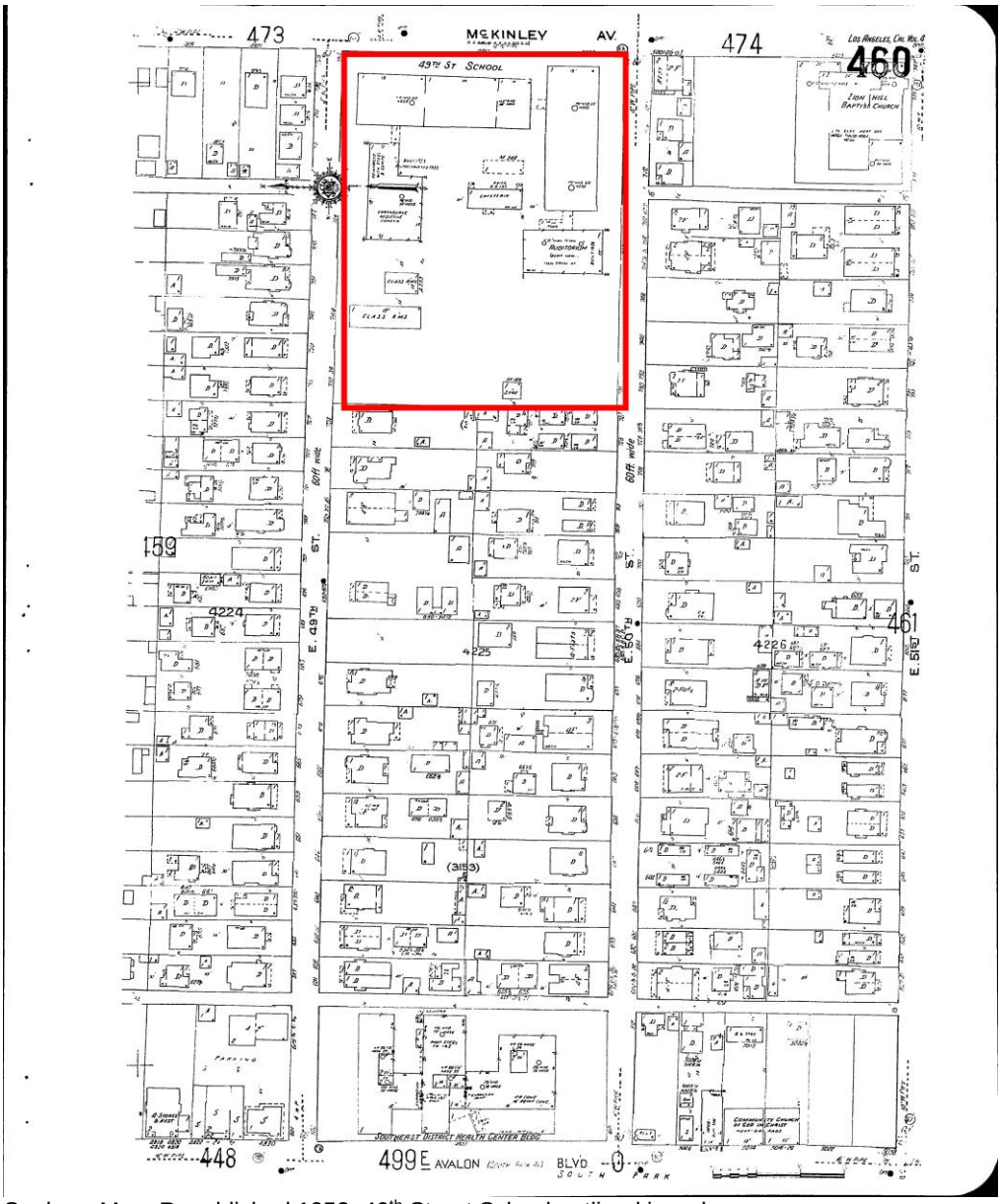


Sanborn Map, Republished 1953; 49th Street School outlined in red.

Additional Documentation



Original 49th Street Elementary School Main Building, c.1913 (*Los Angeles Public Library*)

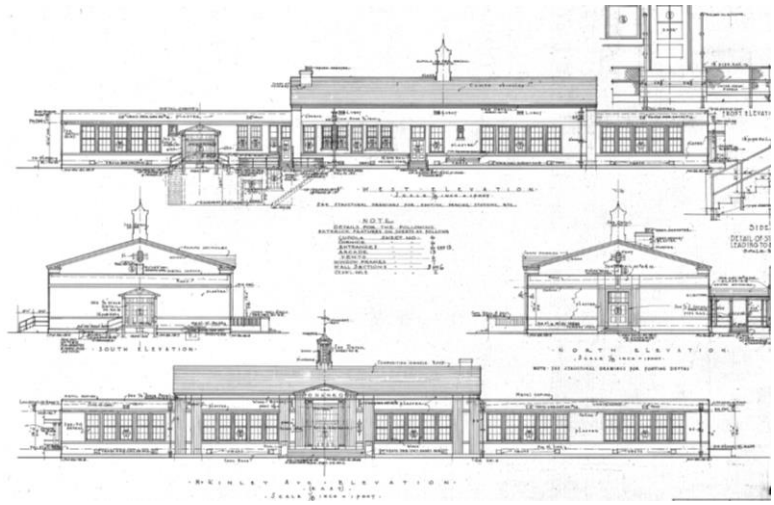


Aerial View of 49th Street Elementary School and Vicinity, 1927 (*UCSB FrameFinder)*



Students at 49th Street Elementary School Attending Classes in Temporary Tents, 1934 (*Los Angeles Public Library)*

Additional Documentation



Building Plans for the Main Building, 1935 (*LAUSD)*



(PWA Moderne-style Main Building, 1935 (*Los Angeles Public Library)*



Historical Aerial Photograph of 49th Street Elementary School, 1971 (*UCSB FrameFinder)*

Additional Documenation

Administration, Library, and Classroom Building/Classroom Building



North façade.
Source: Historic Resources Group.



North façade.
Source: Historic Resources Group.



South and East façade.
Source: Historic Resources Group.



South façade.
Source: Historic Resources Group.



West and south facades.
Source: Historic Resources Group.



West façade staircase
Source: Historic Resources Group.

Additional Documenation
West Building



North and east façades.
Source: Historic Resources Group



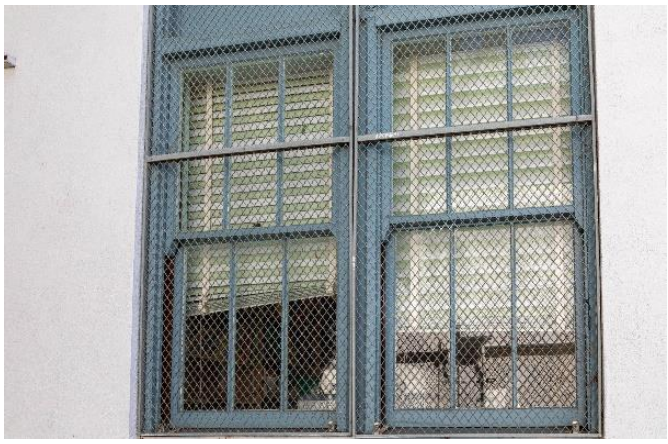
South façade.
Source: Historic Resources Group.



South façade and sheltered corridor
Source: Historic Resources Group.



South and west facades.
Source: Historic Resources Group.

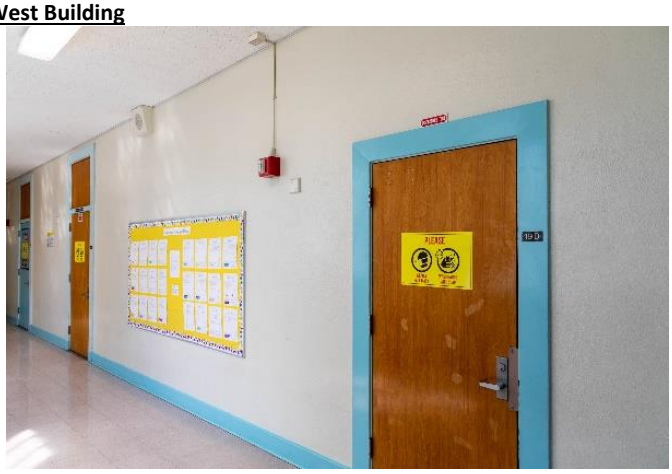


Detail, double-hung wood windows
Source: Historic Resources Group.



Detail of Window surrounds
Source: Historic Resources Group.

Additional Documenation
West Building



Main hallway
Source: Historic Resources Group



Curved ceiling
Source: Historic Resources Group.



Transom panels.
Source: Historic Resources Group.



Kitchen
Source: Historic Resources Group.

Additional Documenation
Main Building



East façade.
Source: Historic Resources Group



Detail of east façade.
Source: Historic Resources Group.



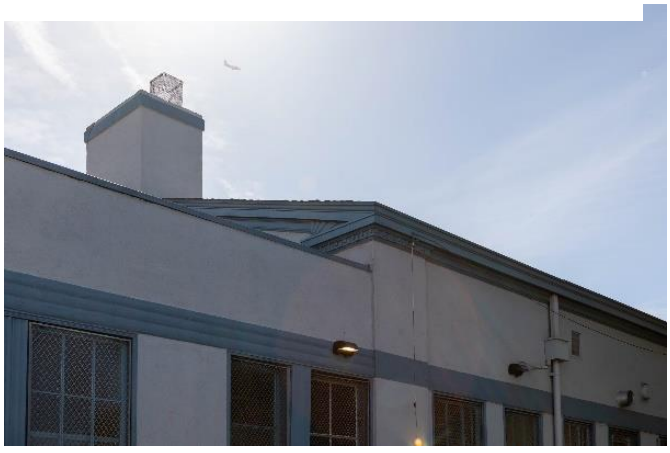
North and east facades.
Source: Historic Resources Group.



North façade.
Source: Historic Resources Group.

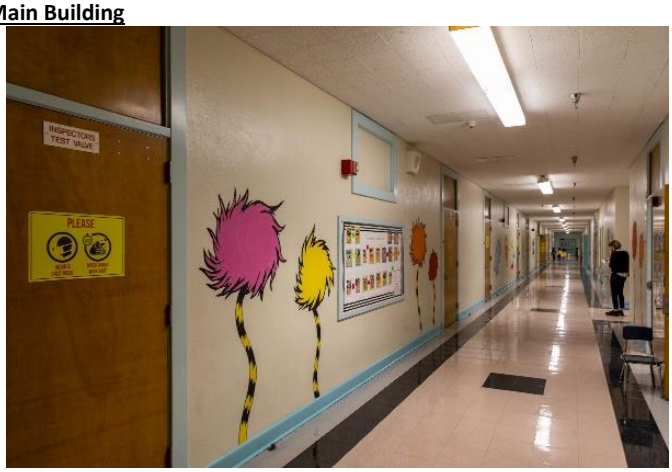


South and west facades.
Source: Historic Resources Group.



Detail of roof and chimney, west façade.
Source: Historic Resources Group.

Additional Documenation
Main Building



Transom panels and doors surrounds in hallway.
Source: Historic Resources Group



Trophy case in hallway.
Source: Historic Resources Group.

Additional Documenation
South Building



South and east façades.
Source: Historic Resources Group



South façade.
Source: Historic Resources Group.



North facade.
Source: Historic Resources Group.



Primary entrance on east façade.
Source: Historic Resources Group.

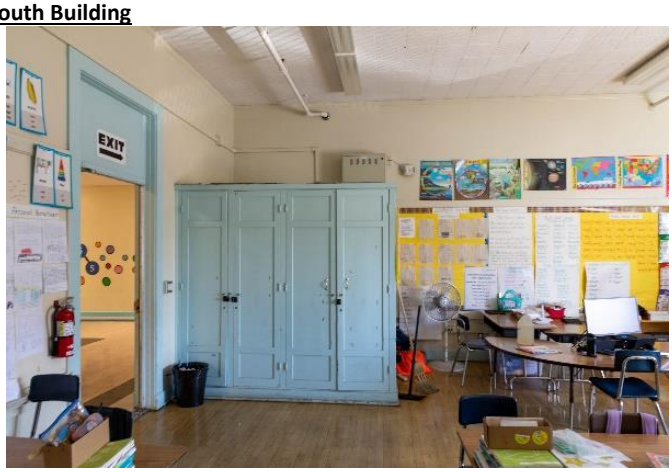


Transom panels and door surrounds in hallway.
Source: Historic Resources Group.

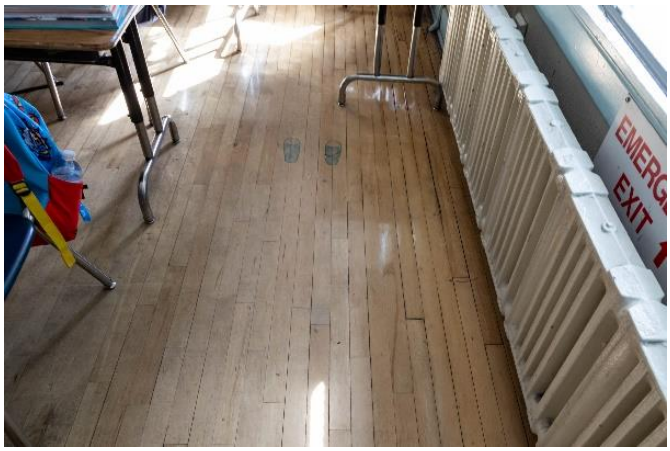


Baseboard in hallway.
Source: Historic Resources Group.

Additional Documenation
South Building



Wood cabinets.
Source: Historic Resources Group



Radiators and wood floors in classrooms.
Source: Historic Resources Group.

Additional Documenation
Auditorium Building



South façade.
Source: Historic Resources Group



East and north façades.
Source: Historic Resources Group.



North and west facades.
Source: Historic Resources Group.



Primary entrance on south façade.
Source: Historic Resources Group.

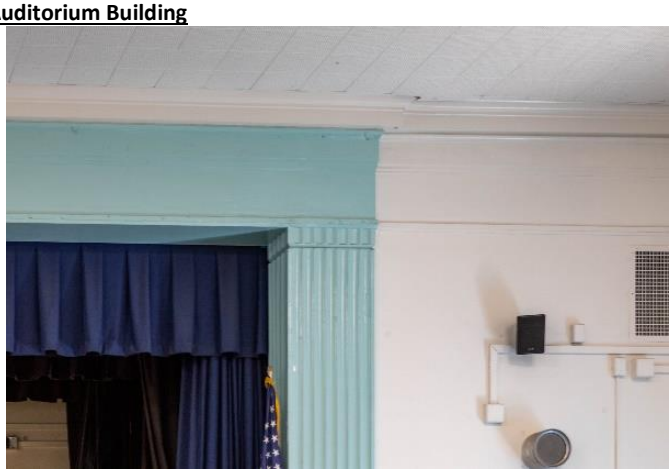


Auditorium seating.
Source: Historic Resources Group.



Central stagge with wood floor and detailing.
Source: Historic Resources Group.

Additional Documenation
Auditorium Building



Fluted plaster around stage.
Source: Historic Resources Group



Rounded band along walls.
Source: Historic Resources Group.



Detail of walls.
Source: Historic Resources Group.



Industrial fire door.
Source: Historic Resources Group.

Additional Documenation
Cafeteria/Lunch Pavillion



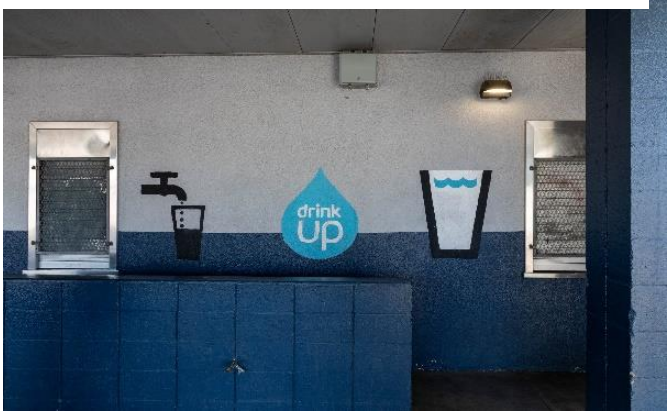
North façade.
Source: Historic Resources Group



South and east façades.
Source: Historic Resources Group.



North facade.
Source: Historic Resources Group.



Lunch counter and water fountains
Source: Historic Resources Group.

Additional Documenation
Sheltered Corridors (4)



1930s Sheltered Corridor (#1)
Source: Historic Resources Group



1930s Sheltered Corridor (#2)
Source: Historic Resources Group.



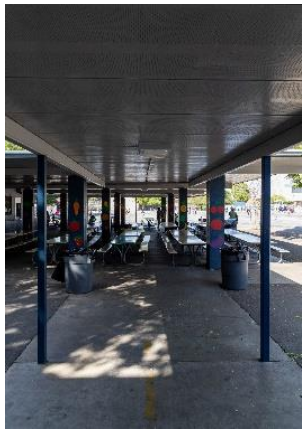
Detail, Sheltered Corridor (#2)
Source: Historic Resources Group.



Detail, Sheltered Corridor (#2)
Source: Historic Resources Group.



1930s Shelterd Corridor (#3)
Source: Historic Resources Group.



1960s Sheltered Corridor (#4)
Source: Historic Resources Group.

Appendix D. 49th Street Elementary School Historic Resources Technical Report

Appendices

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HISTORIC RESOURCES GROUP

49TH STREET ELEMENTARY SCHOOL
HISTORIC RESOURCES TECHNICAL REPORT

NOVEMBER 2023



prepared for

Los Angeles Unified School District

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1.0 EXECUTIVE SUMMARY

Los Angeles Unified School District (LAUSD) is proposing the 49th Street Elementary School Major Modernization Project to expand and improve the 49th Street Elementary School facilities.

The purpose of this report is to identify historical resources as defined by the California Environmental Quality Act ("CEQA")[1] and identify potential impacts to historical resources as a result of the Project. This report is intended to inform environmental review of the Project.

The 49th Street Elementary School is located at 750 E. 49th Street in Los Angeles, California.[2] It is bounded by E. 49th Street to the north, McKinley Avenue to the east, E. 50th Street to the south, and single-family and multi-family residences to the west. The site is relatively flat.

The Project Site contains a potential historic district with a period of significance from 1935 to 1936. The potential historic district was found eligible for listing in the National Register and California Register, and for designation as a City of Los Angeles HCM under Criteria A/1/1 and C/3/3. The potential historic district consists of four (4) contributing buildings and three (3) contributing sheltered corridors with a period of significance from 1935 to 1936.

The Project will construct a one-story kindergarten classroom building with four classrooms and associated support spaces; and a one-story building to house a multi-purpose room, food services, and a library. The project will also construct an outdoor lunch shelter, kindergarten shade structure, and additional covered walkways/arcades. In addition, the existing library and one classroom will be converted into administrative workrooms. Other site improvements include new playgrounds and play equipment, landscaping, fencing, site furnishings, and parking.

As proposed the Project will remove two of the four contributing buildings to the historic district. The two contributing buildings to be removed (West Building and Auditorium), are substantially smaller in comparison to the two contributing buildings (Main Building and South Building). that will be retained. The retained contributing buildings represent a majority of the existing contributing square footage and the highest levels of integrity among the contributing buildings. The contributing buildings to remain also include the most physically prominent contributors, including the buildings most visible to the public. As a result, the proposed removal of two contributing buildings to the historic district would not reduce the integrity of the historic district such that it can no longer convey its historic significance. Removal of contributing buildings by the proposed Project would not result in significant impacts to

[1] California PRC § 21084.1.
[2] An additional address that has been historically associated with the school is 4917 McKinley Avenue.

historical resources as defined by CEQA.

The Project will also construct new one-story buildings, as well as shade structures, landscape, and playground improvements. The new construction of modest one-story buildings would not substantially alter the historic significance or integrity of the Historic District such that its ability to convey its historic significance would be materially impaired.

Therefore, impacts to the historic district will be less than significant and the Project will avoid significant impacts to historical resources as defined by CEQA.

2.0 INTRODUCTION

2.1 Site Location

The 49th Street Elementary School is located at 750 E. 49th Street in Los Angeles, California.[3] The school occupies a 5.7-acre rectangular site comprised of two parcels (Assessor's Parcel Numbers [APNs] 5108-011-909 and 5108-011-910). The property is located in the Southeast Los Angeles Community Plan Area (CPA) of the City of Los Angeles. It is bounded by E. 49th Street to the north, McKinley Avenue to the east, E. 50th Street to the south, and single-family and multi-family residences to the west. The site is relatively flat. The location of the campus is shown below in Figure 1.

2.2 Existing Conditions

The existing Campus is located on 5.73 acres and contains seven permanent buildings: Main Classroom Building, West Classroom Building, South Classroom Building, Auditorium, Administration/Library/Classroom Building, Classroom Building, and Cafeteria. The buildings were constructed between 1923 and 1969. The existing Campus also includes 43 standard classrooms, support spaces for instruction, administrative staff, and maintenance and operations, hardcourt playgrounds, and two parking lots: one along East 49th Street with 41 parking stalls and the other along East 50th Street with seven parking stalls. The Campus does not contain any relocatable buildings. The 49th Street ES has an enrollment of 568 students in Pre-K through 5th grade in the 2022–2023 school year.

2.3 Project Description[4]

The District proposes to complete a major modernization project at the 49th Street ES Campus to provide facilities that are safe, secure, and aligned with the instructional program (proposed Project or Project). The Project would demolish three permanent buildings (West Classroom Building, Cafeteria/Lunch Pavilion, and Auditorium), and remove three sheltered corridors. To replace these structures, the Project would construct a one-story Kindergarten Classroom Building with four Kindergarten classrooms and associated support spaces; a one-story Multi-Purpose Room/Food Services/Library Building; lunch shelter; covered eating area for faculty; two shade structures; and new sheltered corridors. Additionally, the Project would include exterior painting of all existing buildings and structures to remain, as well as minor interior improvements to convert one existing classroom and the existing library into administrative workrooms. The Project would also include the installation of interim facilities to allow the school to remain operational during construction, including

[3] An additional address that has been historically associated with the school is 4917 McKinley Avenue.
[4] Draft project description to be replaced with formal written description when it is received.

relocatable kitchen/scramble building and a relocatable restroom building. No change to the school's capacity or total number of classrooms is proposed as part of the Project.

A Project site map is shown in Figure 2 below.

2.4 Methodology

This report analyzes potential impacts to historical resources that could result from the Project. Where historical resources exist within the Project Site, this report analyzes whether the Project would result in a substantial adverse change in the significance of these historical resources. This report provides a comprehensive review of historical resources that could be impacted, directly or indirectly, by the Project. In preparing this report, the following tasks were performed:

- Review of the 49th Street Elementary School Historic Resources Evaluation Report authored by Historic Resources Group in 2022. (See below.)
- Analysis of potential impacts to historical resources on the Project Site and in the Project Site Vicinity.

2.5 Current Historic Status

PREVIOUS EVALUATIONS

49th Street Elementary School has previously been evaluated by various LAUSD historic surveys. Between 2001 and 2004, Science Applications International Corporation (SAIC), with funding from the Getty Research Institute completed a historic resources survey of LAUSD schools. This survey identified the 49th Street Elementary School as eligible for listing in the California Register and for designation as a City of Los Angeles HCM (3CS Status Code).[5] The 2014 survey of LAUSD schools by Sapphos Environmental, Inc. adopted these findings.[6]

2022 HISTORIC RESOURCES EVALUATION REPORT

At the request of the Los Angeles Unified School District (LAUSD), Historic Resources Group (HRG) evaluated 49th Street Elementary School for potential historic significance in 2022. HRG identified a single potential historic district at the 49th Street Elementary School with a period of significance from 1935 to 1936. The potential historic district was found eligible for listing in the National Register and California Register, and for designation as a City of Los Angeles HCM under Criteria A/1/1 and C/3/3.

---

[5] Science Applications International Corporation, *Preliminary Historic Resources Survey of the Los Angeles Unified School District*, prepared for the Los Angeles Unified School District, Facilities Services Division (Pasadena, CA: June 2002); Science Applications International Corporation, *Historic Context Statement: Los Angeles Unified School District*, prepared for Los Angeles Unified School District (Pasadena, CA: March 2002).

[6] Sapphos Environmental, Inc., *Los Angeles Unified School District Historic Context Statement,* Prepared for the Los Angeles Unified School District, March 201

The potential historic district consists of four (4) contributing buildings and three (3) contributing sheltered corridors with a period of significance from 1935 to 1936. These are as follows:

- West Building (constructed 1923)
- Main Building (constructed 1935)
- South Building (constructed 1935)
- Auditorium Building (constructed 1936)
- The sheltered corridors connecting the Main Building and the West Building (sheltered corridor #1); the Main Building and the South Building (sheltered corridor #2); and the South Building and the Auditorium (sheltered corridor #3) are also considered contributors to the historic district.

Two buildings located within the historic district boundary but constructed outside of the period of significance are considered non-contributing buildings to the Historic district:

- Administration, Library, and Classroom Building/Classroom Building (constructed 1965/1969)
- Cafeteria/Lunch Pavilion (constructed 1969)

There are no secondary or tertiary contributors to the potential historic district. Non-contributors to the potential historic district are the Administration, Library, and Classroom Building/Classroom Building and the Cafeteria/Lunch Pavilion. Additionally, no hardscaping or landscaping was found to contribute to the potential historic district.

Based on the findings of the 2022 Historic Resources Evaluation Report, the potential historic district is treated in this report as a historical resource for the purposes of CEQA evaluation. A copy of the 2022 Historic Resources Evaluation Report is included in Appendix A of this report.

A site map delineating the Historic district is shown in Figure 3 below.

2.6 Potential Impact Area

The analysis in this report focuses on those areas reasonably foreseen to be potentially impacted by the Project. In addition to examining the Project Site, this report also defines an area outside the Project Site where potential direct or indirect impacts could reasonably be expected to occur (Potential Impact Area).

In determining the Potential Impact Area for this report, three factors were considered: (1) the existing setting of the Project Site; (2) the scale and nature of the Project; and

(3) the potential impacts the Project could have on historical resources, if such resources exist. Due to the modest scope of the Project, the Potential Impact Area has been defined as the Project Site as there is no potential for significant direct or indirect impacts to historical resources located outside the Project Site.

2.7 Project Team

Analysis of potential impacts was performed by Paul Travis, Managing Principal, a qualified professional who meets the *Secretary of the Interior's Professional Qualification Standards*. See Appendix G for resumes of contributing authors.

FIGURE 1: PROJECT LOCATION MAP



FIGURE 2: CONCEPTUAL SITE PLAN

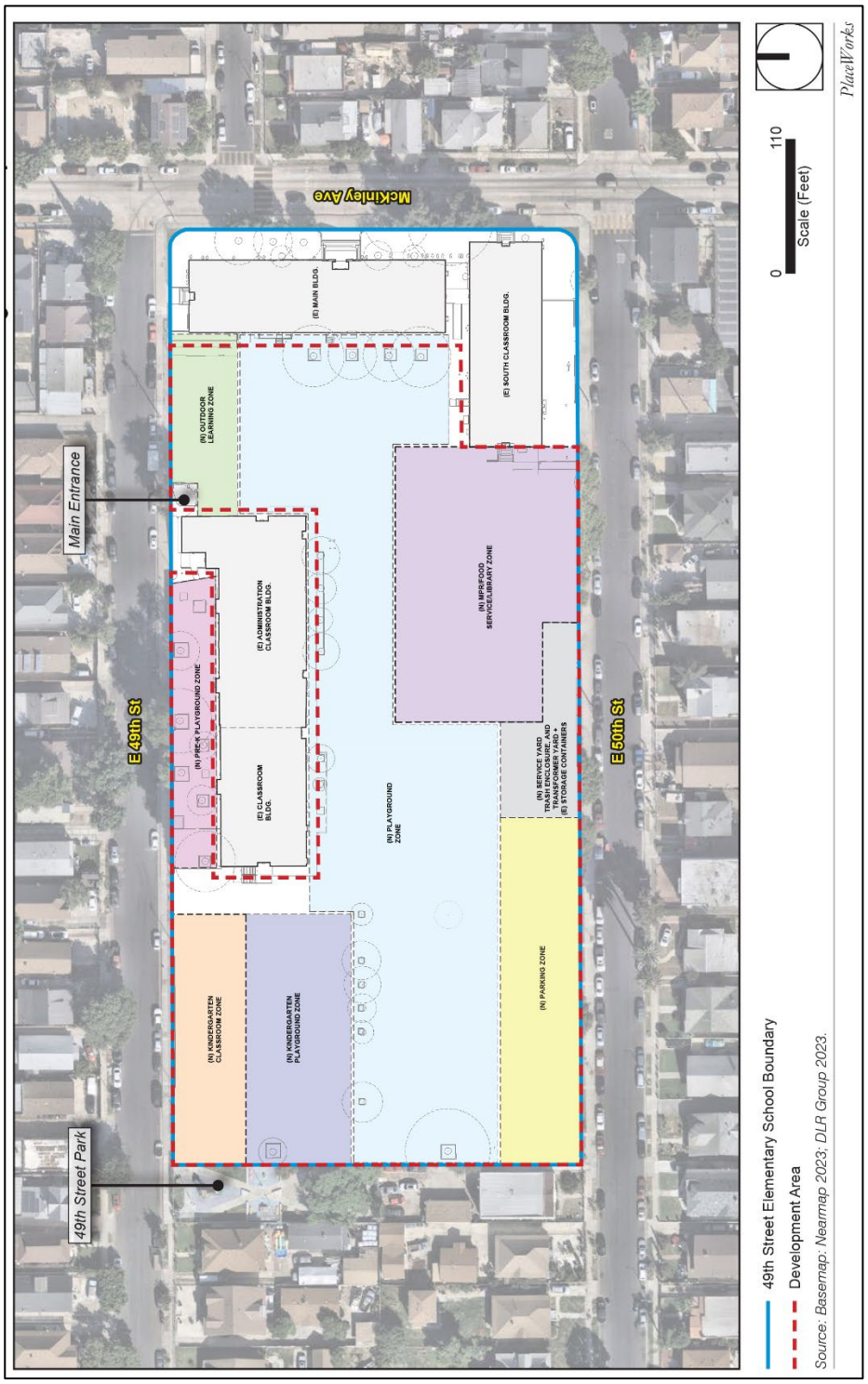

FIGURE 3: POTENTIAL HISTORIC DISTRICT



3.0 REGULATORY FRAMEWORK

3.1 Historical Resources Under CEQA

CEQA requires that environmental protection be given significant consideration in the decision-making process. Historical resources are included under environmental protection. Thus, any project or action which constitutes a substantial adverse change on a historical resource also has a significant effect on the environment and shall comply with the State CEQA Guidelines.

When the California Register of Historical Resources was established in 1992, the Legislature amended CEQA to clarify which cultural resources are significant, as well as which project impacts are considered to be significantly adverse. A "substantial adverse change" means "demolition, destruction, relocation, or alteration such that the significance of a historical resource would be impaired."

CEQA defines a historical resource as a resource listed in, or determined eligible for listing, in the California Register of Historical Resources. All properties on the California Register are to be considered under CEQA. However, because a property does not appear on the California Register does not mean it is not significant and therefore exempt from CEQA consideration. All resources determined eligible for the California Register are also to be considered under CEQA.

The courts have interpreted CEQA to create three categories of historical resources:

- *Mandatory historical resources* are resources "listed in, or determined to be eligible for listing in, the California Register of Historical Resources."
- *Presumptive historical resources* are resources "included in a local register of historical resources, as defined in subdivision (k) of § 5020.1, or deemed significant pursuant to criteria set forth in subdivision (g) of § 5024.1" of the Public Resources Code (PRC), unless the preponderance of the evidence demonstrates that the resource is not historically or culturally significant.
- *Discretionary historical resources* are those resources that are not listed but determined to be eligible under the criteria for the California Register of Historical Resources.[7]

To simplify the first three definitions provided in the CEQA statute, a historical resource is a resource that is:

- Listed in the California Register of Historical Resources (California Register);

[7] *League for the Protection of Oakland's Architectural and Historic Resources vs. City of Oakland*, 52 Cal. App. 4th 896, 906-7 (1997).

- Determined eligible for the California Register by the State Historical Resources Commission; or
- Included in a local register of historical resources.

Section 15064.5 of the CEQA Guidelines (CCR, Title 14, Chapter 3) supplements the CEQA statute by providing two additional definitions of historical resources, which may be simplified in the following manner. A historical resource is a resource that is:

- Identified as significant in a historical resource survey meeting the requirements of PRC § 5024.1(g); or
- Determined by a Lead Agency to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California. Generally, this category includes resources that meet the criteria for listing on the California Register (PRC § 5024.1, Title 14, CCR, § 4852).

The fact that a resource is not listed in, or determined eligible for listing in, the California Register, not included in a local register of historical resources, or not deemed significant pursuant to criteria set forth in subdivision (g) of PRC § 5024.1, does not preclude a lead agency from determining that the resource may be a "historical resource" for purposes of CEQA.

Properties formally determined eligible for listing in the National Register of Historic Places are automatically listed in the California Register. Properties designated by local municipalities can also be considered historical resources. A review of properties that are potentially affected by a project for historic eligibility is also required under CEQA.

3.2 Historic Designations

Historic resources may be designated at the federal, state, and local levels. Properties located in the City of Los Angeles can be listed in the National Register of Historic Places, listed in the California Register of Historical Resources, and/or designated as a City of Los Angeles Historic-Cultural Monument. In order for a property to qualify for historic listing or designation, it must meet one or more identified criteria for evaluation, identified below. The property must also retain sufficient historic integrity to evoke the sense of place and time with which it is historically associated.

NATIONAL REGISTER OF HISTORIC PLACES

The National Register of Historic Places was authorized by the National Historic Preservation Act of 1966 to serve as an authoritative guide to the nation's historic places worthy of preservation.[8] The National Register Program is administered by the

[8] 36CFR60 § 60.2.

National Park Service, U.S. Department of the Interior.

To be eligible for listing and/or listed in the National Register, a resource must possess significance in American history and culture, architecture, or archaeology. Listing in the National Register is primarily honorary and does not in and of itself provide protection of a historic resource. The primary effect of listing in the National Register on private owners of historic buildings is the availability of financial and tax incentives. In addition, for projects that receive Federal funding, a clearance process must be completed in accordance with Section 106 of the National Historic Preservation Act. Furthermore, state and local regulations may apply to properties listed in the National Register.

The criteria for listing in the National Register follow established guidelines for determining the significance of properties. The quality of significance in American history, architecture, archeology, engineering, and culture is present in districts, sites, buildings, structures, and objects:

A. That are associated with events that have made a significant contribution to the broad patterns of our history; or

B. That are associated with the lives of persons significant in our past; or

C. That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or

D. That have yielded, or may be likely to yield, information important in prehistory or history.[9]

Historic Significance

As defined by the National Park Service, *historic significance* is "the importance of a property to the history, architecture, archaeology, engineering, or culture of a community, state, or the nation."[10] It is achieved in several ways:

- Association with important events, activities or patterns
- Association with important persons
- Distinctive physical characteristics of design, construction, or form
- Potential to yield important information

A property may be significant individually or as part of a grouping of properties.

[9] 36CFR60 § 60.3. Criterion D addresses potential archaeological resources, which is outside the scope of this assessment.
[10] U.S. Department of the Interior, *National Register Bulletin 16A: How to Complete the National Register Registration Form* (Washington D.C.: National Park Service, 1997), 3.

Integrity

In addition to meeting any or all of the designation criteria, eligible properties must also possess historic *integrity*. Historic integrity is the ability of a property to convey its significance and is defined as "the authenticity of a property's historic identity, evidenced by the survival of physical characteristics that existed during the property's historic period."[11]

The National Register recognizes seven aspects or qualities that comprise integrity: location, design, setting, materials, workmanship, feeling, and association. These qualities are defined as follows:

- *Location* is the place where the historic property was constructed or the place where the historic event took place.
- *Design* is the combination of elements that create the form, plan, space, structure, and style of a property.
- *Setting* is the physical environment of a historic property.
- *Materials* are the physical elements that were combined or deposited during a particular period of time and in a particular pattern or configuration to form a historic property.
- *Workmanship* is the physical evidence of the crafts of a particular culture or people during any given period in history or prehistory.
- *Feeling* is a property's expression of the aesthetic or historic sense of a particular period of time.
- *Association* is the direct link between an important historic event or person and a historic property.[12]

Historic Districts

Industry standard preservation practice evaluates collections of buildings from similar time periods and historic contexts as *historic districts*. The National Park Service defines a historic district as "a significant concentration, linkage, or continuity of sites, buildings, structures, or objects united historically or aesthetically by plan or physical development."[13] A historic district derives its significance as a single unified entity.

According to the National Park Service, "a district can comprise both features that lack individual distinction and individually distinctive features that serve as focal points. It may even be considered eligible if all of the components lack individual distinction,

[11] *National Register Bulletin 16A*, 4.

[12] U.S. Department of the Interior, *National Register Bulletin 15: How to Apply the National Register Criteria for Evaluation* (Washington D.C.: National Park Service, 1995), 44-45.

[13] *National Register Bulletin 15*: *How to Apply the National Register Criteria for Evaluation*. Washington D.C.: National Park Service, U. S. Department of the Interior, 1997.

provided that the grouping achieves significance as a whole within its historic context. In either case, the majority of the components that add to the district's historic character, even if they are individually undistinguished, must possess integrity, as must the district as a whole." Some examples of districts include business districts, college campuses, large estates, farms, industrial complexes, residential areas and rural villages.[14]

Resources that have been found to contribute to the historic identity of a district are referred to as *district contributors*. Properties located within the district boundaries that do not contribute to its significance are identified as *non-contributors*.

CALIFORNIA REGISTER OF HISTORICAL RESOURCES

The California Register of Historical Resources is an authoritative guide to the state's significant historical resources. For a property to be considered eligible for listing in the California Register, it must be found to be significant under at least one of the following four criteria:

1. It is associated with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States; or
2. It is associated with the lives of persons important to local, California or national history; or
3. It embodies the distinctive characteristics of a type, period, region or method of construction or represents the work of a master or possesses high artistic values; or
4. It has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California or the nation.[15]

For integrity purposes, a resource eligible for listing in the California Register must retain enough of its historic character or appearance to be recognizable as a historical resource and to convey the reason(s) for its significance. It is possible that a resource lacking sufficient integrity for listing in the National Register may still be eligible for the California Register.[16]

CITY OF LOS ANGELES HISTORIC-CULTURAL MONUMENTS (HCMS)

The City of Los Angeles Cultural Heritage Ordinance, enacted in 1962 and amended in 2018, allows for the designation of buildings and sites as individual local landmarks in

[14] Ibid.
[15] Criterion 4 addresses potential archaeological resources, which is outside the scope of this assessment.
[16] State of California Department of Parks and Recreation, "California Office of Historic Preservation Technical Assistance Series #6: California Register and National Register: A Comparison" (Sacramento, CA: Office of Historic Preservation, 2011).

the City of Los Angeles, known as “Historic-Cultural Monuments” (HCMs).

Section 22.171.7 of Article 1, Chapter 9, Division 22 of the City of Los Angeles Administrative Code defines a Historic-Cultural Monument as “any site (including significant trees or other plant life located on the site), building or structure of particular historic or cultural significance to the City of Los Angeles.” A proposed HCM may be designated by the City Council upon the recommendation of the Cultural Heritage Commission if it meets at least one of the following criteria:

1. Is identified with important events of national, state, or local history, or exemplifies significant contributions to the broad cultural, economic or social history of the nation, state, city or community;
2. Is associated with the lives of historic personages important to national, state, city, or local history; or
3. Embodies the distinctive characteristics of a style, type, period, or method of construction; or represents a notable work of a master designer, builder, or architect whose individual genius influenced his or her age.[17]

Designation as an HCM is “reserved for those places that have unique aesthetic, architectural, cultural or historic value to the City of Los Angeles.”[18] For integrity purposes, resources eligible for local designation should retain enough of their historic character or appearance to convey the reason(s) for their significance.

[17] Los Angeles Administrative Code (LAAC) Article 1, Chapter 9, Division 22; Added by Ordinance No. 178,402, effective 4-2-07; Amended by Ordinance 185,472, effective 4-28-18.

[18] City of Los Angeles Department of City Planning, Office of Historic Resources, “Office of Historic Resources Info Brief: What Makes a Resource Significant?”

4.0 ANALYSIS OF IMPACTS

The State Legislature, in enacting the California Register of Historical Resources, amended CEQA to clarify which properties are significant, as well as which project impacts are considered to be significantly adverse. A project with an effect that may cause a substantial adverse change in the significance of a historical resource is a project that may have a significant effect on the environment.[19] A substantial adverse change in the significance of a historical resource means demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of a historical resource would be materially impaired.[20]

4.1 Significance Threshold

According to Appendix G, Environmental Checklist of the State CEQA Guidelines, cultural resource impacts resulting from the implementation of the proposed project would be considered significant if a project would:

- Cause a substantial adverse change in the significance of a historical resource defined in CEQA Guidelines Section 15064.5.

The State CEQA Guidelines (2018) indicate that a project would normally have a significant impact on historical resources if it would result in a substantial adverse change in the significance of a historical resource. A substantial adverse change in significance occurs if the project involves "physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired."[21]

The State CEQA Guidelines go on to state that "[t]he significance of an historic resource is materially impaired when a project... [d]emolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register of Historical Resources... local register of historic resources... or its identification in a historic resources survey."[22]

[19] *CEQA Guidelines*, section 15064.5(b).
[20] *CEQA Guidelines*, section 15064.5(b)(1).
[21] *CEQA Guidelines*, section 15064.5(b).
[22] *CEQA Guidelines*, section 15064.5(b)(2).

4.2 Potential Impacts to the 49th Street Elementary School Historic District

The potential 49th Street Elementary School Historic district contains four contributing buildings: the West Building, the Main Building, the South Building, and the Auditorium Building. The sheltered corridors connecting the Main Building and the West Building (sheltered corridor #1); the Main Building and the South Building (sheltered corridor #2); and the South Building and the Auditorium (sheltered corridor #3) are also considered contributors to the Historic district.

The Historic district is historically significant as a grouping of school buildings representative of post-Long Beach earthquake school planning and requirements as well as the PWA Moderne architectural style. As detailed in the 2022 Historic Resources Evaluation Report, the potential Historic district contains 6 buildings of which 4 are considered contributing buildings to the Historic district.

The Project will remove the West Building and Auditorium Building, both contributors to the Historic district. In addition, the Project will remove the non-contributing Cafeteria/Lunch Shelter building. The contributing Main Building and South Building will remain intact and in their original locations.

The Project would involve the following activities that have the potential to adversely impact the potential Historic district:

- Removal of one non-contributing building, the Cafeteria/Lunch Shelter.
- Removal of the contributing West Building.
- Removal of contributing Auditorium Building.
- Construction of new buildings adjacent to the Historic district contributors.

For the above listed activities to be considered a “substantial adverse change” to the Historic district under CEQA, however, it must be shown that they would result in the physical alteration of the Historic district such that its ability to convey its historical significance and eligibility for historic listing would be threatened. Potential impacts of these activities to the potential Historic district are discussed below.

POTENTIAL IMPACTS FROM REMOVAL OF BUILDINGS FROM THE HISTORIC DISTRICT

The proposed Project would remove three (3) buildings within the boundary of the potential Historic district. Of these, two (2) buildings are considered contributors, and one (1) building is a non-contributor. Because the non-contributing Cafeteria/Lunch

Shelter building was constructed outside the period of significance and does not contribute to the historic significance of the Historic district, its removal would not reduce the historic significance and integrity of the Historic district in any way.

As proposed the Project will remove two of the four contributing buildings or 50-percent of the contributing buildings overall. The two contributing buildings to be removed (West Building and Auditorium), however, are much smaller in comparison to the two contributing buildings (Main Building and South Building). that will be retained. Together the four contributing buildings contain approximately 32,362 sq. ft. of space. The proposed Project will remove the West Building (5,580 sq. ft.) and the Auditorium (4,290 sq. ft.) or approximately 30-percent of the total square footage of contributing buildings to the Historic district. The remaining Main Building (12,923 sq. ft.) and South Building (9,569 sq. ft.) together contain 22,492 sq. ft. of space or 70-percent of the contributing square footage to the Historic district. As such, a substantial majority of contributing buildings, in terms of built structure and historic fabric, will remain intact after removal of the West Building and Auditorium.

As the largest two of the four contributing buildings, the Main Building and South Building are most responsible for establishing the U-shaped arrangement of contributing buildings along the eastern edges of the 49th Street Elementary School Property. Together, the Main Building and South Building contain all of the exterior character-defining features identified as important in conveying the historic significance of the Historic district that are also repeated on the West Building and Auditorium. These include the rectangular plans, one-story heights, side-gable and flat roofs with metal coping, textured cement plaster exterior cladding, regular arrangement of windows and doors, recessed street entrances accessed by concrete stairs, parastedes and balustrades, double-hung wood sash windows with lugs, divided-light transoms, sidelights, decorative detailing including pediment, fluted pilasters, starbursts on return cornice, patera medallions, and dentils on pilaster capitals; rounded streamlined lintel courses and squared sill course, wood windows, and metal doors. The Main Building and South Building together also represent the important public-facing aspects of the school campus as it is their primary east-facing facades that contain the historic main entrance (Main Building) and secondary entrance (South Building) to the school.

The two contributing buildings to be removed, the West Building and Auditorium, are smaller buildings with a secondary public presence in comparison to the Main Building and South Building. Although they are representative of functions characteristic of schools constructed in the 1930s, they are not critical to understanding the historic significance of the Historic district and the Historic district would still convey its significance despite their removal. After implementation of the Project, the Historic district would continue to retain its largest and most public-facing buildings that date from the period of significance and reflect its historic identity as a PWA Moderne school building constructed immediately after the 1933 Long Beach earthquake. The retained

contributing buildings represent a majority of the existing contributing square footage and the highest levels of integrity among the contributing buildings. The contributing buildings to remain also include the most physically prominent contributors, including the buildings most visible to the public.

As a result, the proposed removal of two contributing buildings to the Historic district would not reduce the integrity of the Historic district such that it can no longer convey its historic significance. Removal of contributing buildings by the proposed Project would not result in significant impacts to historical resources as defined by CEQA.

POTENTIAL IMPACTS FROM PROPOSED NEW CONSTRUCTION

The Project will construct a one-story kindergarten classroom building with four classrooms and associated support spaces; and a one-story building to house a multi-purpose room, food services, and a library. The project will also construct an outdoor lunch shelter, kindergarten shade structure, and additional covered walkways/arcades. In addition, the existing library and one classroom will be converted into administrative workrooms.

All new construction proposed by the Project will be located west of the remaining contributing buildings to the Historic district. As such, the important spatial relationships between the two remaining contributing buildings would not be interrupted by the proposed construction of new buildings. In addition, the proposed new construction would be limited to classroom, library, multi-purpose room, and food service uses, all of which currently exist on the Project Site and are in keeping with the historic uses on the property. New construction would be contemporary versions of building types and uses historically common to elementary school campuses.

New buildings would be limited to one story in height in keeping with the existing heights of buildings located on the Project Site including contributing buildings to the Historic district. The new construction of modest one-story buildings would not substantially alter the historic significance or integrity of the Historic district such that its ability to convey its historic significance would be materially impaired.

4.3 Assessment of Integrity After Project Implementation

As noted in Section 3 of this report, the National Park Service identifies historic *integrity* as the ability of a property to convey its significance and is defined as the "authenticity of a property's historic identity, evidenced by the survival of physical characteristics that existed during the property's historic period." The National Park Service defines seven aspects of integrity: *location, design, setting, materials,*

workmanship, *feeling*, and *association*.[23] To retain historic integrity a property will always possess several, and usually most, of the aspects. The analysis above concludes that the Project will not result in a significant impact to the Historic district as defined by CEQA. This analysis is expanded below using the seven aspects of integrity.

- **Location:** The two largest contributing buildings constructed during the period of significance will remain in their original locations in the eastern region of the campus. Therefore, the Historic district retains integrity of *location* after implementation of the Project.

- **Design:** The Project will retain the two largest contributing buildings and constructed as part of the 1935-1936 PWA Moderne style with Neoclassical elements design of the campus. These include the Main Building and South Building as well as the three sheltered corridors (#1, #2, and #3). These buildings and structures will continue to retain their character-defining features such as symmetrical, formal design, smooth wall surfaces, fluted piers, and ornamentation associated with the Neoclassical style of architecture. Despite the loss of the West Building and Auditorium, the majority of the essential physical features reflecting the original design and organization of the property as a school from the 1930s will remain intact within the potential historic district. Therefore, the campus will retain integrity of *design* after implementation of the Project.

- **Setting:** The Historic district is located in the eastern region of the school property and will continue to do so after implementation of the Project. The new construction proposed by the Project will consist of modest one-story buildings in keeping with the existing scale of the school campus. Because it is contained within the school property, the proposed Project will not alter or change the surrounding low-density residential neighborhood. Thus, the Historic district retains integrity of *setting* after implementation of the Project.

- **Materials:** As noted in the 2022 Historic Resources Evaluation Report, original materials have been compromised as contributing buildings typically retain some physical elements from the period of significance, while others have been lost. Therefore, the potential historic district's integrity of *materials* has been compromised. The Project will remove the West Building and Auditorium, thereby further compromising integrity of *materials* after implementation of the Project.

- **Workmanship:** By maintaining the two largest contributing buildings, the

[23] National Register Bulletin 15: How to Apply the National Register Criteria for Evaluation (Washington D.C.: National Park Service, United States Department of the Interior, 2002). Accessed online at: http://www.nps.gov/nr/publications/bulletins/nrb15/

Project will retain the physical evidence of crafts of a particular culture or people during any given period in history or prehistory. This includes the construction methods and design choices, exterior cladding and detail work evident in the Main Building and South Building. The Main Building and South Building will continue to retain substantial physical evidence of period construction techniques, including finishes and design elements, such as smooth plaster exteriors, fluted pilasters, lintel and sill courses, which reflect the character and identity of the potential historic district. Therefore, the campus retains integrity of *workmanship*, after implementation of the Project.

- **Feeling:** The Project will remove two of the four contributing buildings which will alter the original configuration and spatial relationships of the 49th Street Elementary School campus. As such, the historic sense of the 1930s PWA Moderne elementary school as it was originally constructed will be compromised. Thus, the Historic district will not retain integrity of *feeling* after implementation of the Project.

- **Association:** Association is the direct link between an important historic event or person and a historic property. Because the campus will retain integrity of *location*, *design*, *setting*, and *workmanship*, it will continue to convey its direct link to the development of safer public schools following the 1933 Long Beach Earthquake utilizing new design principles. Therefore, the Historic district will retain integrity of *association* after implementation of the Project.

The Historic district will retain integrity of *location*, *design*, *setting, workmanship,* and *association* from the identified period of significance after implementation of the Project. It will, therefore, continue to convey its significance as a post-1933 Long Beach Earthquake school plant, and as an excellent example of a WPA Moderne campus.

5.0 REFERENCES

California Code of Regulations, Title 14, Chapter 3.

California Public Resources Code § 210000 et seq.

California Environmental Quality Act (CEQA) Statute and Guidelines, 2011. California Association of Environmental Professionals website, www.califaep.org.

APPENDIX A

49TH STREET ELEMENTARY SCHOOL HISTORIC RESOURCES EVALUATION REPORT 2022

APPENDIX B

RESUMES OF AUTHORS/CONTRIBUTORS



49th Street Elementary School Historic Resources Evaluation Report

HISTORIC RESOURCES GROUP

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49th Street Elementary School Historic Resources Evaluation Report

HISTORIC RESOURCES GROUP

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APPENDICES

Appendix A: DPR 523 Series Forms

1.0 EXECUTIVE SUMMARY

At the request of the Los Angeles Unified School District (LAUSD), Historic Resources Group (HRG) has evaluated 49th Street Elementary School located at 750 E. 49th Street in the City of Los Angeles, California for potential historic significance. This historic assessment analyzes the property's eligibility for listing in the National Register of Historic Places (National Register), California Register of Historical Resources (California Register), and for designation as a City of Los Angeles Historic-Cultural Monument (HCM). The school is located in the Southeast Los Angeles Community Plan Area (CPA) and was previously identified as eligible for listing in the California Register of Historical Resources (California Register) and for designation as a City of Los Angeles Historic-Cultural Monument (HCM).

49th Street Elementary School is re-evaluated in this report based on an observation of existing conditions on the property, primary and secondary source research related to the history of the property, review of the relevant historic contexts, and an analysis under the eligibility criteria and integrity thresholds for listing in the National Register of Historic Places (National Register), the California Register, and as a City of Los Angeles HCM. A site visit was conducted on March 17, 2022.

HRG has identified a potential historic district at the 49th Street Elementary School that is eligible for listing in the National Register, California Register, and as a City of Los Angeles HCM. The potential historic district consists of four (4) contributing buildings and three (3) contributing sheltered corridors with a period of significance from 1935 to 1936. Contributors to the potential historic district are the West Building, Main Building, South Building, Auditorium Building, and sheltered corridors #1, #2, and #3.

1.1 Project Team

Research, field inspection, and analysis were performed by Alexandra Madsen, Senior Architectural Historian; Christine Lazzaretto, Principal; and Ani Mnatsakanyan, Associate Architectural Historian. Additional assistance was provided by Molly Iker-Johnson, Architectural Historian, and Robby Aranguren, Planning Associate. All preparers are qualified professionals who meet the *Secretary of the Interior's Professional Qualification Standards* in their respective fields.

1.2 Methodology

This report was prepared using primary and secondary sources related to the history and development of the City of Los Angeles, the Los Angeles Unified School District (LAUSD), and 49th Street Elementary School.

Documents that were consulted include: historical photographs and aerial images; historical building plans; Sanborn Fire Insurance maps; historic context statements; local histories; The Built Environment Resource Directory (BERD), and the California State Historic Resources Inventory, Los Angeles County. Additionally, past surveys of the school were consulted, including the 2001-2004 historic survey and historic context statement prepared by Science

Applications International Corporation and the 2014 historic survey and historic context statement prepared by Sapphos Environmental, Inc.

2.0 INTRODUCTION

2.1 Site Location and Description

The 49th Street Elementary School is located at 750 E. 49th Street in Los Angeles, California.[1] The school occupies a 5.7-acre rectangular site comprised of two parcels (Assessor's Parcel Numbers [APNs] 5108-011-909 and 5108-011-910).

The property is located in the Southeast Los Angeles Community Plan Area (CPA) of the City of Los Angeles. It is bounded by E. 49th Street to the north, McKinley Avenue to the east, E. 50th Street to the south, and single-family and multi-family residences to the west. The site is relatively flat. The location of the campus is shown below in Figure 1.

2.2 Current Historic Status

49th Street Elementary School has previously been evaluated by various LAUSD historic surveys. Between 2001 and 2004, Science Applications International Corporation (SAIC), with funding from the Getty Research Institute completed a historic resources survey of LAUSD schools. This survey identified the 49th Street Elementary School as eligible for listing in the California Register and for designation as a City of Los Angeles HCM (3CS Status Code).[2] The 2014 survey of LAUSD schools by Sapphos Environmental, Inc. adopted these findings.[3]

The California Office of Historic Preservation (OHP) maintains the Built Environment Resources Directory (BERD), a database of previously evaluated resources throughout the state. The BERD contains information for cultural resources that have been processed through OHP. This includes resources reviewed for eligibility for the National Register of Historic Places and the California Historical Landmarks program through federal and state environmental compliance laws, and resources nominated under federal and state registration programs. 49TH Street Elementary School is not identified in the BERD as a potential historic property.

[1] An additional address that has been historically associated with the school is 4917 McKinley Avenue.
[2] Science Applications International Corporation, *Preliminary Historic Resources Survey of the Los Angeles Unified School District,* prepared for the Los Angeles Unified School District, Facilities Services Division (Pasadena, CA: June 2002); Science Applications International Corporation, *Historic Context Statement: Los Angeles Unified School District,* prepared for Los Angeles Unified School District (Pasadena, CA: March 2002).
[3] Sapphos Environmental, Inc., *Los Angeles Unified School District Historic Context Statement,* Prepared for the Los Angeles Unified School District, March 201

Figure 1. Location Map



49th Street Elementary School
Historic Resources Evaluation Report

HISTORIC RESOURCES GROUP

2.3 Regulatory Framework

Historical Resources under CEQA

The California Environmental Quality Act (CEQA) is the principal statute governing environmental review of projects occurring in the state and is codified in Public Resources Code (PRC) Section 21000 et seq. CEQA requires lead agencies to determine if a proposed project would have a significant effect on the environment, including significant effects on historical or unique archaeological resources. Under CEQA Section 21084.1, a project that may cause a substantial adverse change in the significance of a historical resource is a project that may have a significant effect on the environment.

CEQA Guidelines Section 15064.5 recognizes that historical resources include: (1) resources listed in, or determined to be eligible by the State Historical Resources Commission, for listing in the California Register of Historical Resources; (2) resources included in a local register of historical resources, as defined in PRC Section 5020.1(k) or identified as significant in a historical resource survey meeting the requirements of PRC Section 5024.1(g); and (3) any objects, buildings, structures, sites, areas, places, records, or manuscripts which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California by the lead agency, provided the lead agency's determination is supported by substantial evidence in light of the whole record.

Historic Designations

Historical and cultural resources fall within the jurisdiction of several levels of government. The framework for the identification and, in certain instances, protection of cultural resources is established at the federal level, while the identification, documentation, and protection of such resources are often undertaken by state and local governments. As described below, the principal federal, State, and local laws governing and influencing the preservation of historical resources of national, State, regional, and local significance include:

- The National Historic Preservation Act of 1966, as amended;
- The Secretary of the Interior's Standards for the Treatment of Historic Properties (Secretary's Standards);
- The California Environmental Quality Act (CEQA);
- The California Register of Historical Resources (California Register);
- The California Public Resources Code;
- The City of Los Angeles General Plan;
- The City of Los Angeles Cultural Heritage Ordinance (Los Angeles Administrative Code, Section 22.171);
- The City of Los Angeles Historic Preservation Overlay Zone Ordinance (Los Angeles Municipal Code [LAMC], Section 12.20.3); and
- The City of Los Angeles Historic Resources Survey (SurveyLA).

National Register of Historic Places

The National Historic Preservation Act of 1966 established the National Register of Historic Places (National Register) as "an authoritative guide to be used by federal, state, and local governments, private groups and citizens to identify the Nation's historic resources and to indicate what properties should be considered for protection from destruction or impairment."[4] The National Register recognizes a broad range of historical and cultural resources that are significant at the national, state, and local levels and can include districts, buildings, structures, objects, prehistoric archaeological sites, historic-period archaeological sites, traditional cultural properties, and cultural landscapes.[5] Within the National Register, approximately 2,500 (3 percent) of the more than 90,000 districts, buildings, structures, objects, and sites are recognized as National Historic Landmarks or National Historic Landmark Districts as possessing exceptional national significance in American history and culture.[6]

Whereas individual historic properties derive their significance from one or more of the criteria discussed in the subsequent section, a historic district derives its importance from being a unified entity, even though it is often composed of a variety of resources. With a historic district, the historic resource is the district itself. The identity of a district results from the interrelationship of its resources, which can be an arrangement of historically or functionally related properties.[7] A district is defined as a geographic area of land containing a significant concentration of buildings, sites, structures, or objects united by historic events, architecture, aesthetic, character, and/or physical development. A district's significance and historic integrity determine its boundaries.

A resource that is listed in or eligible for listing in the National Register is considered "historic property" under Section 106 of the National Historic Preservation Act.

Criteria

To be eligible for listing in the National Register, a resource must be at least 50 years of age, unless it is of exceptional importance as defined in Title 36 CFR, Part 60, Section 60.4(g). In addition, a resource must be significant in American history, architecture, archaeology, engineering, or culture. Four criteria for evaluation have been established to determine the significance of a resource. Resources can be considered significant if they:

A. Are associated with events that have made a significant contribution to the broad patterns of our history;

B. Are associated with the lives of persons significant in our past;

[4] 36 Code of Federal Regulations (CFR) 60.
[5] The identification of archaeological sites and traditional cultural properties is outside the scope of this report.
[6] United States Department of the Interior, National Park Service, National Historic Landmarks Frequently Asked Questions. https://www.nps.gov/subjects/nationalhistoriclandmarks/faqs.htm. Accessed October 20, 2021.
[7] United States Department of the Interior, National Register Bulletin #15: How to Apply the National Register Criteria for Evaluation, 1997, page 5.

C. Embody the distinctive characteristics of a type, period, or method of construction or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or

D. Have yielded, or may be likely to yield, information important in prehistory or history.[8]

Context

To be eligible for listing in the National Register, a property must be significant within a historic context. National Register Bulletin #15 states that the significance of a historic property can be judged only when it is evaluated within its historic context. Historic contexts are "those patterns, themes, or trends in history by which a specific...property or site is understood and its meaning... is made clear."[9] A property must represent an important aspect of the area's history or prehistory and possess the requisite integrity to qualify for the National Register.

Integrity

In addition to meeting one or more of the criteria of significance, a property must have integrity, which is defined as "the ability of a property to convey its significance."[10] The National Register recognizes seven qualities that, in various combinations, define integrity. The seven factors that define integrity are location, design, setting, materials, workmanship, feeling, and association. To retain historic integrity a property must possess several, and usually most, of these seven aspects. Thus, the retention of the specific aspects of integrity is paramount for a property to convey its significance. In general, the National Register has a higher integrity threshold than State or local registers.

The National Register recognizes seven aspects or qualities that comprise integrity: location, design, setting, materials, workmanship, feeling, and association. These qualities are defined as follows:

- *Location* is the place where the historic property was constructed or the place where the historic event took place.
- *Design* is the combination of elements that create the form, plan, space, structure, and style of a property.
- *Setting* is the physical environment of a historic property.
- *Materials* are the physical elements that were combined or deposited during a particular period of time and in a particular pattern or configuration to form a historic property.

[8] United States Department of the Interior, National Register Bulletin #15: How to Apply the National Register Criteria for Evaluation, 1997, page 8. Criterion D typically applies to potential archaeological resources, which is outside the scope of this report.
[9] United States Department of the Interior, National Register Bulletin #15: How to Apply the National Register Criteria for Evaluation, 1997, pages 7 and 8.
[10] United States Department of the Interior, National Register Bulletin #15: How to Apply the National Register Criteria for Evaluation, 1997, page 44.

- *Workmanship* is the physical evidence of the crafts of a particular culture or people during any given period in history or prehistory.
- *Feeling* is a property's expression of the aesthetic or historic sense of a particular period of time.
- *Association* is the direct link between an important historic event or person and a historic property.[11]

California Register of Historical Resources

The California Register of Historical Resources (California Register) is "an authoritative listing and guide to be used by State and local agencies, private groups, and citizens in identifying the existing historical resources of the State and to indicate which resources deserve to be protected, to the extent prudent and feasible, from substantial adverse change."[12] The California Register was enacted in 1992, and its regulations became official on January 1, 1998. The California Register is administered by the California Office of Historic Preservation (OHP). The criteria for eligibility for the California Register are based upon National Register criteria.[13] Certain resources are determined to be automatically included in the California Register, including California properties formally determined eligible for, or listed in, the National Register. To be eligible for the California Register, a prehistoric or historic-period property must be significant at the local, State, and/or federal level under one or more of the following four criteria:

1. It is associated with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States; or
2. It is associated with the lives of persons important to local, California or national history; or
3. It embodies the distinctive characteristics of a type, period, region or method of construction or represents the work of a master or possesses high artistic values; or
4. It has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California or the nation.[14]

A resource eligible for the California Register must meet one of the criteria of significance described above and retain enough of its historic character or appearance (integrity) to be recognizable as a historical resource and to convey the reason for its significance. It is possible that a historic resource may not retain sufficient integrity to meet the criteria for listing in the National Register, but it may still be eligible for listing in the California Register.

[11] U.S. Department of the Interior, *National Register Bulletin 15: How to Apply the National Register Criteria for Evaluation* (Washington D.C.: National Park Service, 1995), pages 44-45.
[12] California Public Resources Code, Section 5024.1[a].
[13] California Public Resources Code, Section 5024.1[b].
[14] Criterion 4 addresses potential archaeological resources, which is outside the scope of this assessment.

Additionally, the California Register consists of resources that are listed automatically and those that must be nominated through an application and public hearing process. The California Register automatically includes the following:

- California properties listed on the National Register and those formally determined eligible for the National Register;
- California Registered Historical Landmarks from No. 770 onward; and,
- Those California Points of Historical Interest that have been evaluated by the State Office of Historic Preservation (OHP) and have been recommended to the State Historical Resources Commission for inclusion on the California Register.

Other resources that may be nominated to the California Register include:

- Historical resources with a significance rating of Category 3 through 5 (those properties identified as eligible for listing in the National Register, the California Register, and/or a local jurisdiction register);
- Individual historical resources;
- Historic districts; and,
- Historical resources designated or listed as local landmarks, or designated under any local ordinance, such as an historic preservation overlay zone.

City of Los Angeles Historic-Cultural Monuments

The Los Angeles City Council adopted the Cultural Heritage Ordinance in 1962 and most recently amended it in 2018 (Sections 22.171 et seq. of the Administrative Code). The Ordinance created a Cultural Heritage Commission (CHC) and criteria for designating a Historic-Cultural Monument (HCM). The CHC is comprised of five citizens, appointed by the Mayor, who have exhibited knowledge of Los Angeles history, culture, and architecture. The City of Los Angeles Cultural Heritage Ordinance states that an HCM designation is reserved for those resources that have a special aesthetic, architectural, or engineering interest or value of a historic nature and meet one of the following criteria:

1. The proposed HCM is identified with important events of national, state, or local history, or exemplifies significant contributions to the broad cultural, economic or social history of the nation, state, city or community;
2. The proposed HCM is associated with the lives of historic personages important to national, state, city, or local history; or
3. The proposed HCM embodies the distinctive characteristics of a style, type, period, or method of construction; or represents a notable work of a master designer, builder, or architect whose individual genius influenced his or her age.[15]

[15] City of Los Angeles, Los Angeles Administrative Code, Section 22.171.7.

Unlike the National and California Registers, the Cultural Heritage Ordinance makes no mention of concepts such as physical integrity or period of significance. However, in practice, the seven aspects of integrity from the National Register and California Register are applied similarly and the threshold of integrity for individual eligibility is similar. It is common for the CHC to consider alterations to nominated properties in making its recommendations on designations. Moreover, properties do not have to reach a minimum age requirement, such as 50 years, to be designated as HCMs.

In addition, the LAMC Section 91.106.4.5 states that the Los Angeles Department of Building and Safety "shall not issue a permit to demolish, alter or remove a building or structure of historical, archaeological or architectural consequence if such building or structure has been officially designated, or has been determined by state or federal action to be eligible for designation, on the National Register of Historic Places, or has been included on the City of Los Angeles list of HCMs, without the department having first determined whether the demolition, alteration or removal may result in the loss of or serious damage to a significant historical or cultural asset. If the department determines that such loss or damage may occur, the applicant shall file an application and pay all fees for the CEQA Initial Study and Check List, as specified in Section 19.05 of the LAMC. If the Initial Study and Check List identifies the historical or cultural asset as significant, the permit shall not be issued without the department first finding that specific economic, social or other considerations make infeasible the preservation of the building or structure."[16]

[16] City of Los Angeles, Los Angeles Municipal Code, Section 91.106.4.5.1.

3.0 CAMPUS SITE DESCRIPTION AND HISTORY

3.1 Exterior Architectural Description

The 49th Street Elementary School campus occupies approximately 5.7 acres. The campus is bounded to the north by East 49th Street, to the east by McKinley Avenue, to the south by East 50th Street, and to the west by single-family residences. The school campus is occupied by five (5) permanent buildings, one (1) permanent structure, four (4) sheltered corridors, and various open spaces. There is one (1) portable building, the Mechanical Shed.

The buildings are clustered along the northern, eastern, and southern boundaries of the campus, forming a "U" shape around a central play yard. Most of the campus consists of play yards and parking areas paved in asphaltic concrete and surrounded by chain link fencing. Landscaping is limited to lawns, shrubs, some trees in narrow setbacks along the three street frontages, and scattered trees in the play yards. The school is currently accessed via a pedestrian entrance on the north side of the Administration, Library & Classroom Building along E. 49th Street.

Existing buildings and features are listed below and are summarized in Table 1 ("Existing Conditions"). The names and function of some campus buildings have changed and evolved over the years. To avoid confusion, whenever possible, the buildings discussed in this report have been keyed to the official building naming system of 49th Street Elementary School. A map of the campus is provided below (Figure 2). Following this figure is an architectural description of each building and feature.

Figure 2. Site Map



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Administration, Library, and Classroom Building/Classroom Building

The Administration, Library, and Classroom Building was constructed in 1965; an addition, known as the Classroom Building, was constructed in 1969. Together they form a two-story building with a rectangular plan and a one-story projection on the north façade. It has complex massing and asymmetrical composition. The two-story volume has a low-pitched hipped roof with plaster eave soffits and a canted fascia; the one-story volume has an asymmetrical front gable roof with open eaves and overhanging rakes. The exterior walls are finished in brick veneer, scored concrete, and textured cement plaster. Fenestration consists primarily of ribbons of four-light fixed and two-over-two double-hung aluminum sash windows at the east portion of the building; and high ribbon windows on the west portion. The primary entrance is asymmetrically located on the north (primary) façade and consists of a pair of partially glazed, divided light doors with sidelights and transom light, accessed by a projecting porch. There is an exterior metal staircase on the west façade with guardrails of metal mesh and metal pipe.



North Façade



North Façades



South and East Façades



South Façade



West and South Façades



West Façade Staircase

West Building

The West Building was constructed in 1923 and altered in 1935. It is a one-story building with a roughly "L"-shaped plan, simple massing, and asymmetrical composition. It has a flat roof with a low parapet. The exterior walls are finished in textured cement plaster and articulated with continuous header and sill courses. Fenestration consists primarily of three-over-three wood sash double hung windows in single or coupled configurations, some with transom panels and others with projecting subsills. The primary entrance is asymmetrically located on the south façade and consists of a pair of flush doors with a six-light transom light; the doors are accessed by a wide concrete stoop and steps with a shaped plastered parapet. Two secondary entrances on the south façade consist of flush doors with metal canopies, accessed by a concrete ramp and steps with metal pipe guardrails.

The interior of the West Building is divided into several spaces. Most classrooms are accessible via a central hallway. Two additional rooms, a classroom and kitchen, are accessible via the concrete ramp along the primary façade. The building's interior has tile flooring, plaster walls, and acoustical tile ceilings. It has flush wood doors with flat wood casings and baseboards; some doors have flush wood transom panels. The kitchen/staff room features wood cabinets.



North and East Façades



South Façade



South Façade and Sheltered Corridor



South and West Façades



Detail, double-hung wood windows



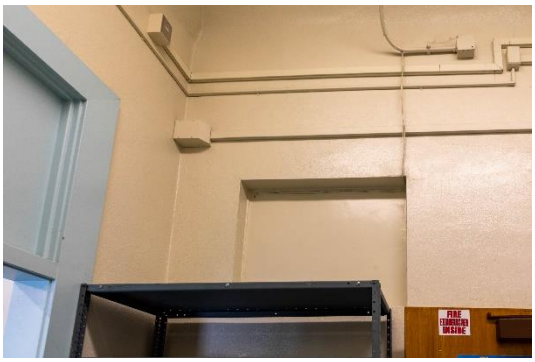
Detail of Window surrounds



Main Hallway



Curved Ceiling



Transom Panels



Kitchen

Main Building

The Main Building was designed by architect Harry C. Deckbar and constructed in 1935. It is a PWA Moderne style one-story building with a rectangular plan, balanced but not strictly symmetrical composition, and complex massing consisting of a central volume flanked by wings. The central volume has a moderately pitched side gable roof with asphalt composition shingle roofing and a continuous eave cornice; the flanking wings have flat roofs with built-up roofing. The exterior walls are finished in textured cement plaster and articulated with continuous header and sill courses. The east (primary) façade of the central volume is framed with stylized fluted pilasters. Fenestration consists primarily of horizontal groupings of six-over-six and eight-over-eight double hung wood sash windows; some window openings are infilled with solid panels. The primary entrance, now blocked features some Neoclassical elements, is symmetrically located on the east façade of the central block and consists of solid panels in the configuration of doors with sidelights and transom lights, with reeded jambs and a stylized architrave. It is recessed under a pedimented gable supported on stylized fluted pilasters and flanked by wood posts. The entrance is accessed by a wide flight of concrete steps with parastedes and balustrades. There is a secondary entrance on the north façade, consisting of a pair of flush doors in a rectangular recess flanked by stylized fluted pilasters and accessed by concrete steps with parastedes.

The interior of the Main Building features a central hallway that opens to classrooms. The building has resilient tile floors, plaster walls, and acoustical tile ceilings. It has wood baseboards and casings. Most interior doors in this building feature transom panels. A wood trophy case is located in the hallway.



East Façade



Detail of East Façade



North and East Façades



North Façade



South and West Façades



Detail of Roof and Chimney, West Façade



Transom Panels and Doors Surrounds in Hallway



Trophy Case in Hallway

South Building

The South Building was designed by architect Harry C. Deckbar and constructed in 1935. It is a one-story PWA Moderne style building with a rectangular plan, simple massing, and a flat roof with a low parapet and metal coping. The exterior walls are finished in textured cement plaster and articulated with continuous header and sill courses. Fenestration consists primarily of horizontal groupings of six-over-six double hung wood sash windows; some window openings are infilled with solid panels. The east façade is symmetrically composed around the primary entrance, which consists of a pair of flush doors with a divided-light transom light in a rectangular recess flanked by stylized reeded pilasters. The entrance is accessed by a flight of concrete steps with concrete parastedes.

The interior of the South Building features a central hallway that opens to classrooms. It has wood and resilient tile floors, plaster walls, and acoustical tile ceilings. It has wood cabinets, radiators, and ceramic water fountains.



South and East Façades



South Façade



North Façade



Primary Entrance on East Façade



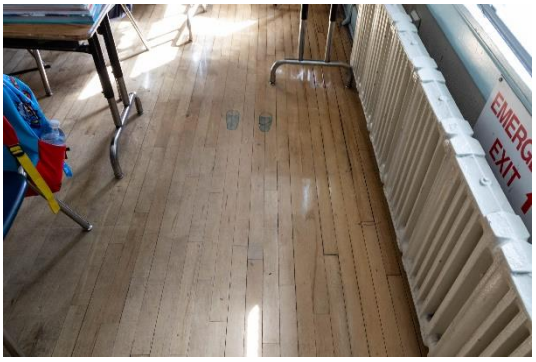
Transom Panels and Doors Surrounds in Hallway



Baseboards in Hallway



Wood Cabinets



Radiators and Wood Floors in Classroom

Auditorium Building

The Auditorium Building was designed by architect Harry C. Deckbar and constructed in 1936. It is a PWA Moderne style one-story building with a rectangular plan, simple massing, and symmetrical composition and a bow truss roof. The exterior walls are finished in textured cement plaster and articulated with piers and a continuous stringcourse and sill course; the corners are highlighted with wide, channeled piers. Fenestration consists primarily of six-over-six double hung wood sash windows. The primary entrance is symmetrically located on the south façade and consists of a pair of flush doors with a transom panel and architrave, in a rectangular recess framed by stylized fluted pilasters supporting a pediment. The entrance is accessed by a concrete staircase flanked with parastedes and curvilinear metal pipe railings. Secondary entrances on the east and west façades consist of flush doors with metal hoods, accessed by concrete steps with metal pipe guardrails.

The interior of the Auditorium Building features an open auditorium space with a restroom set behind the stage. The building has a raked floor with resilient tile flooring, acoustical tile ceiling, and fixed seating. The walls are plaster with a wood baseboard, beaded dado rail, and plaster entablature. The stage has a proscenium framed with fluted pilasters supporting a stylized entablature.



South Façade



East and North Façades



North and West Façades



Primary Entrance on South Façade



Auditorium Seating



Central Stage with Wood Floor and Detailing



Fluted Pilaster around Stage



Rounded Band Along Walls



Detail of Walls



Industrial Fire Door

Cafeteria/Lunch Pavilion

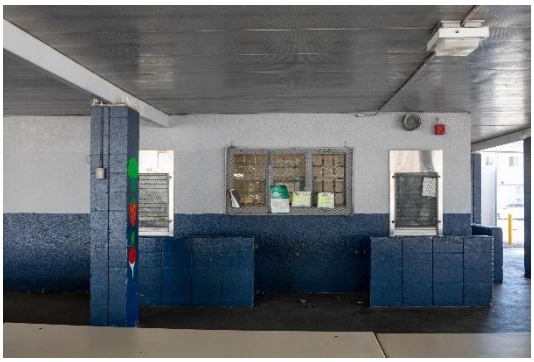
The Cafeteria/Lunch Pavilion was constructed in 1969. It is a one-story building with an irregular plan, complex massing and asymmetrical composition. It is composed of two distinct parts: a kitchen with an L-shaped plan, shed roofs with boxed eaves and rakes, and exterior walls finished in cement plaster; and an open-sided shelter wrapping the north and west sides of the kitchen, with a flat roof supported on wood beams, concrete masonry columns and tube steel posts. The entrance consists of a flush door. Fenestration consists of a grouping of three windows with metal security screening, and service windows with metal roll-up shutters and metal security screens.



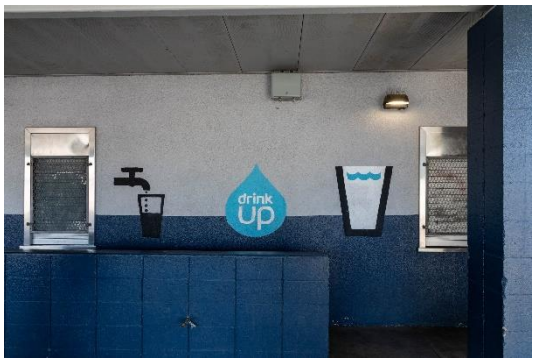
North Façade



South and East Façades



North Façade



Lunch Counter and Water Fountains

Sheltered Corridors (4)

There are four sheltered corridors on the campus, which connect separate buildings. Two elevated sheltered corridors from the 1930s (#1 and #2) connect the Main Building to the West and South Buildings. They have flat roofs with plaster soffits, wood beams with scalloped friezes, wood posts, scored concrete paving, and metal pipe guardrails. A third sheltered corridor dating from the 1930s (#3) connects the South Building to the Auditorium Building. It has a flat roof with plaster fascias and soffit supported on paired metal pipe columns, on concrete curbs with metal pipe guardrails. A fourth sheltered corridor (#4) dates from the 1960s and connects the Auditorium Building to the Lunch Pavilion; it has a flat roof supported on square steel tube posts.



1930s Sheltered Corridor (#1)



1930s Sheltered Corridor (#2)



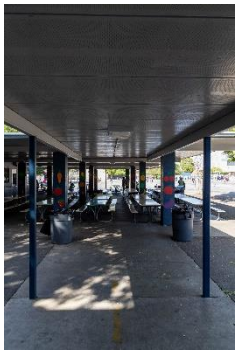
Detail, Sheltered Corridor (#2)



Detail, Sheltered Corridor (#2)



1930s Sheltered Corridor (#3)



1960s Sheltered Corridor (#4)

3.3 Site History and Construction Chronology

The 49th Street Elementary School is situated in the Southeast neighborhood of Los Angeles. Prior to the development of the school, the block that comprises the school campus was developed with single-family residences. The first construction phase of 49th Street Elementary School was completed in the early 1910s, and the school was dedicated in 1914. The school campus was designed by Frank K. Krucker and Harry C. Deckbar of Krucker and Deckbar.[17]

At the time of its dedication, the *San Pedro Pilot* recorded that 49th Street Elementary School was "said to be the latest and best in school buildings in the entire city."[18] The campus initially consisted of one main building located near McKinley Avenue and two smaller classrooms near the west side of the lot.[19] A photograph from the period shows the 2-story masonry building that was constructed in 1913. In 1923, a single two-story brick building (West Building) was also built on the site.



Original 49th Street Elementary School Main Building, c.1913 (*Los Angeles Public Library*)

The 1933 Long Beach earthquake, and then the 1934 Field Act, hastened the need for widespread school repairs and new construction, which accelerated the stylistic shift during this period.[20] Following the Long Beach Earthquake of 1933, the Los Angeles Unified School District decided to modernize the 49th Street campus.

As a result, the original main building on the campus was demolished.[21] As recorded in the *Illustrated Daily News,* "excellent brick and steel construction now being demolished and none of which failed, but many tons of ornamental concrete fell to the ground."[22]

[17] "Krucker & Deckbar," *Los Angeles Times,* January 1, 1914.
[18] *The San Pedro Pilot,* March 22, 1913.
[19] "Los Angeles," volume 4, sheet 460, Sanborn Fire Insurance Map.
[20] Sapphos Environmental, Inc., *Los Angeles Unified School District Historic Context Statement,* 121.
[21] City of Los Angeles building permit LA14989, issued November 5, 1934.
[22] "No Bolts in Iron," *Illustrated Daily News,* May 3, 1935.



Aerial View of 49th Street Elementary School and Vicinity, 1927 (*UCSB FrameFinder*)

While new buildings were under construction, classes were temporarily held in tents on the campus grounds.[23] The only building that was retained and retrofitted following the Long Beach Earthquake was the West Building, which is located in the northeastern region of the campus.

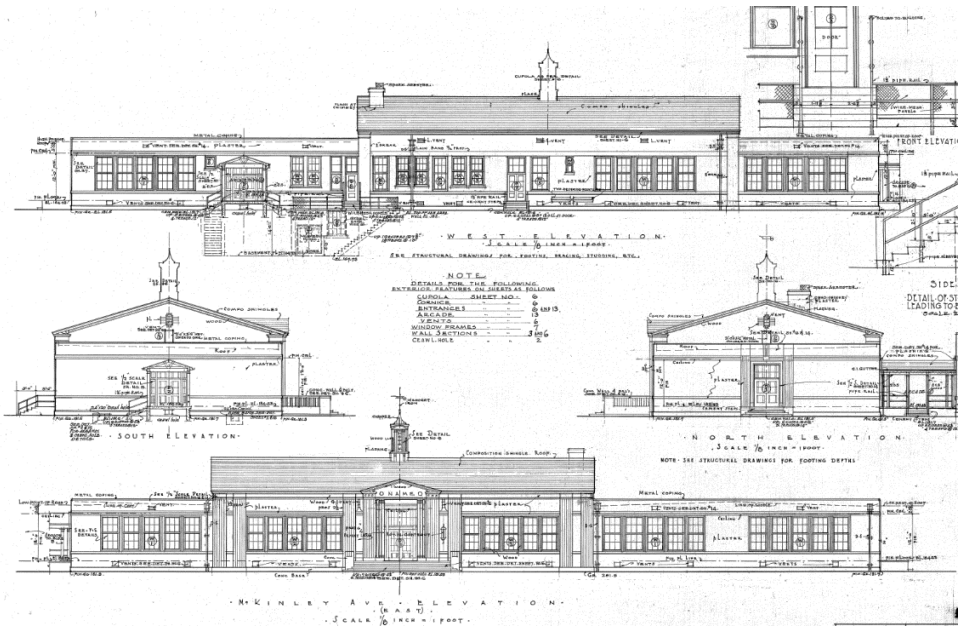


Students at 49th Street Elementary School Attending Classes in Temporary Tents, 1934 (*Los Angeles Public Library*)

Between 1933 and 1935, the school district spent approximately $2 million in rehabilitating schools in South Los Angeles, including 49th Street Elementary School.[24] The 49th Street

[23] "Three L.A. Schools Will Reopen Today," *Illustrated Daily News,* March 30, 1933.
[24] "Two Million Spent for Schools Locally," *The Southwest Wave,* December 31, 1935.

Elementary School received over $109,000, which was allotted for the construction of two new buildings (Main Building and South Building) and the reconstruction of a one-story school building (West Building). Work was completed by architect Harry C. Deckbar and contractors Johnson & Dahlquist.[25] The Main Building and South Building are both single-story wood frame buildings with concrete foundations and cement plaster exteriors. Deckbar also redesigned the West Building. Originally a two-story building, the West Building's second story was removed, and the building was reclad with cement plaster exteriors to match the design of the Main Building and South Building.



Building Plans for the Main Building, 1935 (*LAUSD*)

In 1936, Deckbar also designed the school's 1-story Auditorium Building. Unlike the other new buildings on the site, which were of wood frame construction, the Auditorium Building was of reinforced concrete and steel construction.[26] Harold A. Nelson served as the structural engineer and Brunzell & Jacobson served as the general contractors.[27]

A cafeteria building was also constructed at this time near the South Building; this cafeteria is no longer extant. All buildings designed by Deckbar were completed in the PWA Moderne style of architecture with some Neoclassical elements.

[25] "New Work Projects Scheduled," *The Los Angeles Times*, April 28, 1935.
[26] City of Los Angeles building permit LA13633, issued June 1936.
[27] "For Auditorium," *Los Angeles Times*, June 14, 1936.

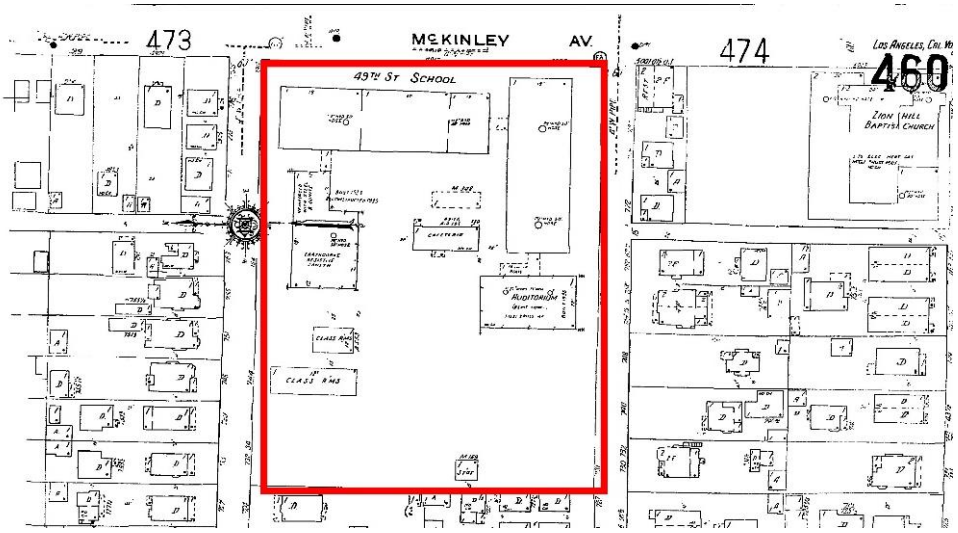


PWA Moderne-style Main Building, 1935 (*Los Angeles Public Library*)

The school underwent some alterations in the 1950s. In 1950, a permit was issued to repair the school's storage shed, located at the west end of the parcel, to conform to code.[28] Simultaneously, a separate permit was issued for a 1-story building for temporary classrooms, which was located to the west of the West Building along 49th Street.[29] The repair work and temporary classrooms were designed by architect E.R.C. Billerbeck (not extant).

In the 1950s and 1960s, several additional classroom buildings were constructed on site. In 1952, a new 2-room classroom building was built, designed by A.B. Niebecker, Jr (not extant).[30] In 1960, architect Kenneth N. Bergstrom designed a larger classroom building, constructed by Carter Mack Building Inc. for the school (not extant). Both of these buildings were demolished in the late 1960s. These non-extant buildings are visible in a Sanborn Fire Insurance Map from 1950.

[28] City of Los Angeles building permit LA02875, issued January 1950.
[29] City of Los Angeles building permit LA02799, issued January 1950.
[30] City of Los Angeles building permit LA49097, issued September 10, 1952.



Sanborn Fire Insurance Map of Campus, Volume 4, Sheet 460, 1922-1950 (*Los Angeles Public Library*)

The Administration, Library & Classroom building was designed by Kent Attridge & Associates in 1965. In 1969, an addition was added to the west of the building (Classroom Building), designed by Harold L. Williams & Associates. Williams also designed the new Cafeteria/Lunch Pavilion that same year. The Administration, Library & Classroom Building/Classroom Building comprise a single building, but where they are joined is visually distinctive from the interior. The building is visible in an historical aerial photograph from 1971. In 1969, over 1,000 parents and community residents toured the new classrooms, school facilities, and newly completed 2-story annex building at the 49th Street Elementary School.[31]



Historical Aerial Photograph of 49th Street Elementary School, 1971 (*UCSB FrameFinder*)

In 1972, several buildings on campus were renamed in honor of black Americans during "Negro History Week." The theme of the program was "cementing Black greatness in the

[31] "Students Host Open House School Visitors," *Southeast Star-Wave,* May 8, 1969.

community," and names were chosen from those Black Americans who have made great contributions to the history and culture of the United States.[32]

Alterations to extant buildings on the 49th Street Elementary School campus are limited, and the school overall retains many of its character-defining features. The West Building was altered with cement plaster exterior and interior remodeling following the Long Beach Earthquake. The cupola on the Main Building was removed in the mid- to late-1970s. The Classroom Building was added to the Administration, Library, and Classroom Building as an addition in 1969.

Interior alterations have been extensive and include new resilient tile flooring, acoustical tile ceilings, the removal of interior transom lights, and alterations to fixtures. Some character-defining features have been retained, such as window and door surrounds, wood cabinets, radiators, and transom openings.

Table 1. Existing Conditions

Building Name	Building ID	Date of Construction
West Building	13933	1923
Main Building	14040	1935
South Building	13583	1935
Sheltered Corridor #1 (West Building - Main Building)	45244	1935
Auditorium Building	14196	1936
Sheltered Corridor #2 (Main Building - South Building)	45229	1936
Sheltered Corridor #3 (South Building - Auditorium)	45235	1936
Administration, Library & Classroom	14036	1965
Classroom Building	13718	1969
Cafeteria Building	13566	1969
Sheltered Corridor # 4 (Auditorium - Cafeteria)	13566	1969
Lunch Pavilion	45236	1969

[32] "49th Street School History Highlighted," *Southside Journal,* February 17, 1972.

4.0 FOCUSED NEIGHBORHOOD CONTEXT

The 49th Street Elementary School is located in the Southeast Los Angeles CPA, which was surveyed by SurveyLA in 2012. Background information regarding the area is excerpted from this survey report below.

Additional information regarding Central Avenue, the specific area of Southeast Los Angeles wherein 49th Street Elementary School is located, is also excerpted from the *Historic Resources Associated with African Americans in Los Angeles* National Register Nomination. This section provides information on the history of Central Avenue and redlining, as an important event/trend/development pattern associated with the area.

4.1 History of Southeast Los Angeles[33]

The northern section of the Southeast Los Angeles CPA was within the original Los Angeles city boundary (incorporated in 1850). The remainder of the CPA was consolidated or annexed into the City of Los Angeles between 1859 and 1944. The CPA includes the neighborhoods of Historic South Central, South Park, Central Alameda, Florence, Green Meadows, Broadway-Manchester, and Watts.[34] Watts was an incorporated city prior to its consolidation into the City of Los Angeles.

The Southeast Los Angeles CPA developed in a southward pattern beginning in the late 19th century, as the city's growing network of streetcars allowed for development outside the historic city center. Though the area north of Slauson Boulevard was largely built out by the late 1910s, at this time the land to the south was still largely undeveloped and relatively remote. Much of it was used for vegetable and fruit cultivation by Chinese and Japanese residents. In 1903, however, a group of investors evicted the farmers and constructed the Ascot Park horse racing track at generally the area south of Slauson Boulevard and east of Avalon Boulevard. Referred to as being located in the "no man's land" on the skinny stretch of territory "running from Los Angeles to the sea,"[35] Ascot Park quickly became known as a notorious den of gambling and drinking. Its investors hoped to incorporate the area, and though unsuccessful, the larger area was known as Ascot Park until the late teens when the park (which converted to automobile racing from horse racing in the late 1900s) was dissolved altogether. The removal of the vast acreage of Ascot Park freed the land for residential and industrial development, which ensued at a monumental pace south of Slauson Boulevard in the 1920s.

The Southeast Los Angeles CPA became the center of the city's African American community during the first half of the 20th century. The African American community in Los Angeles was first concentrated in the historic city center, around the neighborhood that is now Little Tokyo. As the community grew, it began moving

[33] This section has been excerpted and adapted from the "Southeast Los Angeles Community Plan Area" Historic Resources Survey Report, prepared for the City of Los Angeles by Galvin Preservation Associates, March 2012.
[34] Neighborhood names and boundaries were derived from: "Mapping L.A. - Los Angeles Times." Mapping L.A. Los Angeles Times. Web. 09 September 2011.
[35] "Ascot Park in 'No Man's Land," *Los Angeles Times*, January 15, 1907.

south after the turn of the 20th century. Central Avenue was the primary thoroughfare around which this movement and development was centered, and blacks created a vibrant community there. By the late 1920s, the area had become home to jazz clubs, a vibrant social scene and nightlife, as well as black-owned businesses.

During this time, the area remained racially and ethnically diverse. Despite the increasing concentration of African Americans, they remained in the minority. Whites, Asians, and Hispanics made up the remaining portion of the area's population during this period. It was not until the 1930s that the demographics in the area began to shift as these groups moved out of the area, and blacks became an increasing percentage of the population. Large numbers of African Americans moved to Los Angeles in the late 1920s and 1930s, drawn by the promise of jobs and homeownership. Prevented from moving farther west by racially restrictive covenants, they moved into the neighborhoods of Southeast Los Angeles.

4.2 History of Central Avenue[36]

The 1920s represents a turning point in the history of Black settlement patterns. Racial segregation practices intensified, hemming in the community as its population rose.[37] Residential settlement continued south around Central Avenue during the decade, but now stopped abruptly at Slauson Avenue. Black families who tried to venture south of this line met violent resistance during the 1920s and 1930s.[38] As well, the east and west borders of Alameda and San Pedro Streets continued to hold firm, buttressed by race restrictive covenants which spread widely in surrounding white suburbs, tightening the racial boundaries around Central Avenue.

In 1928, the center of gravity rapidly relocated further south down Central Avenue. The opening of the Somerville Hotel was arguably the most important catalyst for this shift, bound as it was to a momentous moment in the history of Black Los Angeles. By the late 1920s, Central Avenue and 41st Street was the new heart of Black L.A. At this electrifying intersection, three architecturally significant structures stood proudly, signs of the growth, maturation, and growing sophistication of the Black community. They included the Somerville Hotel, the Hudson-Liddell Building, and the Golden State Mutual Life Insurance Building. These enterprises drew Black settlement down and around the Avenue. This southward shift was the fastest, most dramatic relocation of the community's center in its history. Significantly, it occurred in a period when strong middle-class leadership, vibrant cultural life, and Black enterprise symbiotically coexisted in a common physical area. The forces of physical dispersal had not yet set

[36] This section has been excerpted and adapted from: Teresa Grimes, "Historic Resources Association with African Americans in Los Angeles" National Register Nomination. December 31, 2008.
[37] Lawrence de Graaf argues this ushered in the beginning of the Black ghetto in Los Angeles, although this is a point of some scholarly controversy.
[38] de Graaf, "City of Black Angels," 346.

in. This synergy bestowed even greater significance to Central Avenue as *place*—a site of meaning, identity, and rootedness for Black Angelenos.

The southward shift was not only pulled by these dynamic enterprises, but it was likely pushed by changes occurring in the northern sections of Central Avenue. In 1922, this area was rezoned for manufacturing, and by 1939 over 100 industries had located there. This precipitated a decline in housing quality, with some residential structures falling into disrepair. Some single-family homes were transformed into boarding houses, shared by four families. A number of these were owned by whites. As early as the mid-1920s, the area around northern Central Avenue already showed signs of decline.[39]

During the 1930s, the Black population in Los Angeles continued to climb, with most newcomers settling in the Central Avenue vicinity. In 1930, approximately 17,500 Blacks lived in the area; over the next decade, nearly 25,000 Blacks would join them.[40] Despite these growing numbers, the newcomers fit comfortably into the area without undue overcrowding. This was largely due to an exodus of non-Blacks from the vicinity: repatriation depleted the Mexican and Filipino population, white working-class residents were drawn to new suburban developments with Federal Housing Administration assistance (these areas and programs were largely closed to people of color), and some ethnic Japanese returned to Japan. Other areas of Los Angeles were growing in population during the 1930s; the multiethnic Eastside was not. This exodus resulted in a demographic change around Central Avenue: Blacks went from being 35 percent to 60 percent of the population between 1930 and 1940. The community was also more mixed in terms of class, as many Black newcomers came from poor or working-class backgrounds. In the 1930s, Black home seekers continued to buy properties around Central Avenue, forming a residential "strip" bounded by 4th Street to the north and Slauson Avenue to the south, and San Pedro and Alameda Streets to the west and east.[41]

The 1940s was a watershed decade for Central Avenue. The tremendous influx of Black migrants during and after World War II put major strain on the community, changing its qualitative character. During the war years, 50,000 newcomers settled in and around the Avenue, with more arriving after the war. Despite this jump in population, the racial boundaries held firm around the community: Alameda to the east and now Broadway to the west (a block west of Main Street), Slauson to the south. With each new wave of migrants, the area grew increasingly crowded and overburdened.[42] The housing shortage that plagued all of Los Angeles hit the

[39] Lawrence B. de Graaf, "City of Black Angels: Emergence of the Los Angeles Ghetto, 1890-1930," Pacific Historical Review 39 (1970), 349-50; Octavia Vivian, *The Story of the Negro in Los Angeles County* (Federal Writers Project, 1936), 30.
[40] Ervin, *The Participation of the Negro in the Community Life of Los Angeles*, 12. Technically, they moved into the 62nd Assembly district, which hugged Central Avenue. Douglas Flamming, Bound for Freedom: Black Los Angeles in Jim Crow America (Berkeley: University of California Press, 2005), 308.
[41] Flamming, *Bound for Freedom*, 306-308.
[42] Josh Sides, *L.A. City Limits: African American Los Angeles from the Great Depression to the Present* (Berkeley: University of California Press, 2003), 98.

community particularly hard, hemmed in as it was by race restrictions, even as the Black population skyrocketed. The Black influx had a compounding effect. Not only did it strain the community, but it reinforced the boundaries around it. As more Blacks arrived, they became a more visible presence in the city, provoking greater white fears, animosity, and ultimately hostile efforts to defend their communities from Black incursions. Those efforts largely succeeded through the 1940s.

Housing around Central Avenue felt the strain. Rooms were rented out and families doubled up, overtaxing many dwellings. Yet by the late 1940s, the area still had its good blocks. In 1948, Negro Digest ranked L.A.- still anchored by Central Avenue- as one of "America's Ten Best Cities for Negroes," with its decent homes, quiet streets, and good schools.

5.0 ARCHITECT/BUILDER/LANDSCAPE ARCHITECT

Harry C. Deckbar[43]

Harry Charles Deckbar was born in 1882 in Louisiana. By 1910, Deckbar was working in Los Angeles for architect Frank George Krucker. From 1911 to 1914, Deckbar assisted Krucker, along with Thornton Fitzhugh, on the nine-story Trinity Auditorium (later known as the Embassy Hotel). In 1913, Deckbar and Krucker started a partnership. During this period, Krucker & Deckbar built the first buildings at 49th Street Elementary School (later demolished).[44] They also designed the Crown Apartments in Pasadena.[45] The partnership lasted until about 1917.

Deckbar briefly moved to Mobile, Alabama, in 1918, where he worked as a draftsman for the Chickasaw Shipbuilding Company. He moved back to Los Angeles in 1920 where opened his own architectural firm. In 1924, he designed the 2-story Masonic Temple in Southwest Los Angeles.[46] In addition to the Masonic Temple, 49th Street Elementary School was one of the more prominent projects designed by Deckbar. He passed away in Los Angeles in 1938. Deckbar is not considered a master architect.

Kent Attridge, AIA

Kent James Attridge was born in 1920 in Los Angeles, California. He graduated from Chouinard Art Institute in 1941 with an Associate Degree in Architecture.[47]

Attridge served in the Merchant Marines during World War II; then returned to Los Angeles and began practicing architecture.[48] In 1958 and 1959, Attridge served as architectural advisor to the U.S. government and traveled to Moscow with Harold C. McClellan, where he designed the American Exhibition Facility in Solkolniki Park.[49]

Upon his return, Attridge became the Vice President of Welton Beckett and Associates and served as the director of the Beckett Office in New York. While at Welton Beckett & Associates, Attridge worked on the Los Angeles Memorial Sports Arena (demolished). Attridge then served as an associate architect for Claud Beelman, AIA, until Beelman's death in 1963. He opened his own firm, Kent Attridge and Associates, and retained Beelman's staff in his new company.[50] In 1965, the Coliseum Commission authorized Attridge to design an underground trade show center under the Sports Arena at Exposition Park.[51] In 1977, Attridge joined Albert C. Martin and Associates as a Project Director.[52] Some of his notable works, many of which are no longer extant, include the Santa Monica Civic Auditorium,

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[43] Biographical information taken from "Harry Charles Deckbar," PCAD, unless otherwise noted. https://pcad.lib.washington.edu/person/169/
[44] "Sold Before Completion," *The Los Angeles Times*, December 29, 1935.
[45] "Krucker & Deckbar," *The Los Angeles Times*, January 1, 1914.
[46] Michael Krekorian. "Repairs Begin on Quake-Damaged Masonic Temple," *The Los Angeles Times*, September 13, 1966.
[47] 1962 AIA Directory.
[48] "Attridge, Kent J.," *The Los Angeles Times*, March 4, 1995.
[49] Dewey Linze. "85% Space Use Attridge Goal," *The Los Angeles Times*, September 22, 1963.
[50] "Architect Attridge Forms Own Firm in Los Angeles," *The Los Angeles Times*, April 21, 1963.
[51] "Let's Go Ahead Decision Voted," *Citizen News*, February 4, 1965.
[52] *The Los Angeles Times*, September 11, 1977.

Robinson's Anaheim, various Broadway-Hale stores, Macy's stores, and Saks Fifth Avenue.[53]Attridge passed away in 1995 at the age of 75. Attridge is not considered a master architect.

Harold Louis Williams, FAIA

Harold Louis Williams was born on August 4, 1924, in Flemingsburg, Kentucky. He grew up in Cincinnati, Ohio. From an early age, Williams showed interest in art and architecture, and the minister of their family church introduced him to Paul R. Williams (no relation), who was designing homes for high-end clients in Los Angeles. After graduating high school in 1942, Williams was drafted to the U.S. Navy. While on leave in Los Angeles in 1944, he met Paul Williams and the two struck up a friendship which inspired Harold to pursue architecture. He spent 1946 at Talladega College in Alabama upon his return from the Navy and then entered Miami University in Ohio in 1947.[54]

Williams graduated from Miami University in 1952, where he was the only African American student.[55] In 1953, he was hired as a draftsman at Fulton, Krinsky, and Delamotte in Cleveland, Ohio.[56] In 1954, he moved to Los Angeles. In Los Angeles, Williams worked for Paul R. Williams & Associates.

In 1958, he became the ninth African American architect to be licensed in California and joined the Southern California Chapter of the American Institute of Architects. In 1962, he opened his own practice, Harold Williams Associates, Architects, and Urban Planners.[57] In 1967, he was one of the principal partners of Kinsey, Meeds, and Williams. He had many repeat clients, including the Los Angeles Unified School District, the City and County of Los Angeles, and California State Universities.[58]

Williams' most notable projects include the Compton City Hall (1976); the South Central Los Angeles Multi-Service and Child Development Center, Los Angeles (1976); Compton Civic Center (1977); California State Office Building, Civic Center, Van Nuys (1982); and Fire Station Number No. 3 (1989).

In addition, Harold Williams was also active in the community and provided leadership. He was the organizer, founder, and first president of the Southern California Association of Minority Architects and Planners (MAP) and co-founder of the National Organization of Minority Architects (NOMA) in 1971. From 1981-1982 he served as the NOMA National President. Under his leadership, a new Watts Towers Art Center building was built in 1967.[59] Williams died on June 21, 2015, at the age of 90.[60]

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[53] "Architect Attridge Forms Own Firm in Los Angeles," *The Los Angeles Times,* April 21, 1963.
[54] Williams, Harold L. "African-American Architects of Los Angeles: Harold L. Williams," Interviewed by Wesley H. Henderson, 1993.
[55] Williams, Harold L. Interviewed by Wesley H. Henderson, 1993.
[56] AIA Application.
[57] "Harold L. Williams," PCAD. https://pcad.lib.washington.edu/firm/2739/
[58] "50 Years- the Founders," NOMA.
[59] "50 Years- the Founders," NOMA.
[60] Martha Groves, "Harold Williams Dies at 90; Architect Designed Compton City Hall," *The Los Angeles Times,* July 28, 2015.

6.0 SIGNIFICANCE EVALUATION

This evaluation utilizes the framework for historic resource assessments described in the *Los Angeles Unified School District Historic Context Statement*, which "defines themes of significance, eligibility standards, and related property types. Properties sharing a theme of significance are then assessed consistently, in comparison with resources that share similar physical characteristics and historical associations."[61]

In addition to each of the applicable federal, state, and local designation criteria, two evaluation frameworks and their associated eligibility standards and integrity thresholds were identified and applied to this evaluation. These evaluation frameworks relate specifically to the themes of *Post–1933 Long Beach Earthquake School Plants, 1933-1945*; and *Educating the Baby Boom: The Postwar Modern, Functionalist School Plant, 1945-1969*. These themes were used to analyze buildings on the campus, which primarily were built or substantially altered during these periods. Buildings at 49th Street Elementary School were evaluated using these frameworks for potential eligibility both individually and as contributors to a potential historic district. Additionally, campus buildings that date to the 1930s were evaluated using *PWA Moderne* context. Buildings that date to the 1960s were evaluated using the *Mid-Century Modern/Regional Modernism* context.

Buildings that were found to be potentially eligible for listing in federal, state, or local registers were carried forward for an integrity analysis, which is included in Section 7, to determine if the building retains sufficient integrity to convey its significance.

6.1 Frameworks for Evaluation

The following frameworks are derived from the *Los Angeles Unified School District Historic Context Statement* and the "Historic Resources Associated with African Americans in Los Angeles" National Register Nomination.

Post-1933 Long Beach Earthquake School Plants, 1933-1945[62]

Property Type: Institutional/Educational
Property Subtypes: Elementary, Junior High, and High School Buildings and Campuses
Period of Significance: 1933 to 1945
Area of Significance: Education
Geographic Location: Citywide
Area of Significance: A/1

Eligibility Standards:

- Exemplifies post–Long Beach earthquake school planning and design concepts of the period, including requirements under the 1934 Field Act
- One-story massing for elementary schools; up to two-stories for junior/high schools

[61] Sapphos Environmental, Inc., *Los Angeles Unified School District Historic Context Statement*, 4.
[62] Sapphos Environmental, Inc., *Los Angeles Unified School District Historic Context Statement, 137.*

- Retains most of the associative and character-defining features from the period of significance

Character-Defining Features - Buildings/Structures:

- One-story massing for elementary schools; up to two stories for middle and senior high schools
- Reinforced concrete, steel- or wood-frame construction
- Classroom wings designed for easy access and views to outdoors—with variations including L-, H-, T-shaped building plans
- Generous expanses of windows, including steel- and wood-framed multilight windows, awning and hopper casements, clerestories, and large-pane fixed windows; window groupings often mark the location of classrooms
- Stylistically more streamlined and less ornamental than 1920s period-revival styles
- Emphasis on "traditional Southern Californian" styles, such as Spanish Colonial and Mission Revival
- Styles can also include PWA Streamline Moderne, Art Deco, Late Moderne, and proto-modern styles
- May have been partially or fully funded through Works Progress Administration (WPA), 1935 to 1943
- WPA projects may include significant interior artwork such as murals, paintings and sculpture
- May have been designed by a prominent architect of the period

Character-Defining Features - Campus/District:

- Unified site plan consisting of buildings and structures designed and sited according to their use
- Use of designed outdoor and landscaped spaces, for outdoor study, recreation and dining
- Often displays connecting sheltered corridors throughout campus
- Emphasis on a more expansive site plan
- Varied collection of buildings, differentiated by function and use (rather than a single building with all functions inside)
- Might include an elaborate administration building, located near the campus entrance; administration buildings usually serve as the focal point of the campus
- Campus often composed of groupings of classroom wings, auditoriums, gymnasiums, cafeterias, and outdoor recreation and dining areas
- Middle or senior high schools might include a gymnasium designed in the style of the campus overall

Integrity Considerations:

- Should retain most of the essential physical features from the period of significance
- Some materials may have been removed or altered
- Modern lighting and fencing of site acceptable
- Schools from this period generally include buildings constructed after the period of significance, in particular post-World War II buildings, which may be noncontributing
- Eligible properties under this theme may be a single building, if it exemplifies the design ideals of the era, or a grouping (campus) of buildings constructed during the period of significance
- Intact campus groupings from the pre-1945 era are not common
- Many pre-1933 schools were substantially remodeled following the Long Beach earthquake—may retain a 1920s plan but with 1930s stylistic detailing.
- Pre-1933 schools rehabilitated post-1933 might exhibit added seismic supports of steel columns, beams, or diagonal bracing; original masonry might be covered by concrete/stucco sheathing
- Should retain integrity of Materials, Design, Workmanship, Feeling, and Association from its period of significance

Comments: Buildings exhibiting distinctive design features might also qualify under Criteria C/3, as the embodiment of the distinctive characteristics of a type/period or method of construction, as an example of the work of a master architect, or for high artistic values.

Educating the Baby Boom: The Postwar Modern, Functionalist School Plant, 1945-1969[63]

Property Type: Institutional/Education
Property Subtypes: Elementary, Junior High Schools, and High School Buildings and Campuses
Period of Significance: 1945 to 1969
Area of Significance: Education
Geographic Location: Citywide, with concentrations in the San Fernando Valley and West Los Angeles
Area of Significance: A/1

Eligibility Standards

- Clearly embodies the characteristics of a postwar modern functionalist school campus
- Displays a unified, functional site design, with buildings extending across the site and oriented in relation to outdoor spaces (courtyards, patios, outdoor play areas)
- One-story massing for elementary schools; up to two-stories for junior/high schools
- Classrooms, in detailing and plans, clearly express their function, with axial, fingerlike wings, plentiful fenestration, and connections to the outdoors

[63] Sapphos Environmental, Inc., *Los Angeles Unified School District Historic Context Statement, 141.*

- Retains most of the associative and character-defining features from the period of significance

Character-Defining Features – Buildings/Structures

- Building plans and site design clearly express their function; classroom wings often exhibit one story "finger-like" wings, arranged on an axis
- Easily identifiable indoor-outdoor spaces, connections to classrooms through the incorporation of patios, courtyards, and outdoor canopied corridors
- One-story massing, particularly for elementary schools; up to two to three stories for junior and high schools
- Building types and plans expressive of postwar ideals in school design; these can include (1) finger-plan schools (usually in 1940s through 1950s); (2) cluster-plan schools (beginning in 1950s); and (3) variations and combinations of these typologies clearly expressive of the ideals for informality, indoor-outdoor connections, and zoned planning for the site
- Varying elevations might display differentiated window sizes and configurations, in order to tailor interior light to sun patterns and create cross-lit classrooms

Character-Defining Features – Campus/District

- Unified campus design includes most or all of the following attributes: lack of formality and monumentality; low massing (usually one stories for classrooms and up to two stories for auditoriums/multipurpose rooms); strong geometric ordering of buildings and outdoor spaces; decentralized, pavilion-like layout; rational, function driven site design; buildings extend across the site; buildings are oriented to outdoor spaces (courtyards, patios, outdoor areas), purposeful indoor-outdoor integration
- Automobile traffic/drop-off areas separated from campus; linked to interior via extended canopied corridors
- Buildings often turn inward, toward green spaces and courtyards, lawns
- Outdoor corridors, sheltered beneath simple canopies, forming links between the buildings of the campus
- Classrooms often consist of a series of axial, modular units
- An informal, domestic scale for the buildings and campus might be especially evident in elementary schools
- Swaths of patios, terraces, and plantings adjacent to and alternating with buildings
- Generous expanses of windows, including steel- and wood-framed multi-light windows, in awning and hopper casements, clerestories, and fixed panes
- Flat roof or broken-plane roof often used for lighting and acoustical issues
- Modular design, with a rhythmic, asymmetrical but balanced composition
- Usually displays a modern design idiom, usually either regional modernist (with use of native materials such as stone, brick, and wood siding and/or framing), International Style modernist, or, by the early 1960s, Late Modern (more expressive and sculptural)

- Some examples might include some degree of historicist detailing or styles popular in the postwar period (such as American Colonial Revival); these are less common than modernist examples
- May have been designed by a prominent architect of the period
- Often associated with post–World War II suburbanization and growth near major employment centers beyond the city periphery (such as the San Fernando Valley and southwest Los Angeles)
- Often built in residential neighborhoods on large expanses of land, with swaths of land devoted to landscape design and playing fields (in particular for high school campuses)

Integrity Considerations

- Retains most of the essential physical features from the period of significance
- School expansion and new construction over the years, in particular in the postwar period, might have resulted in the addition of in-fill buildings and structures in areas that were originally designed open spaces (such new additions should not interfere with or serve as a visual impairment to the designed connections between buildings, in particular classroom wings, and adjacent outdoor patios and spaces)
- Many postwar schools were designed to be easily expandable as enrollment increased; the original site design and building types and plans should be readily discernible. If additional wings were added or the campus extended, the additions should be compatible with and visually subordinate to the original
- Some materials may have been removed or altered
- Modern lighting and fencing of site acceptable
- Should retain integrity of setting, materials, design, workmanship, feeling, and association from its period of significance
- Addition of portable or permanent buildings after the period of significance acceptable as long as original campus design is intact

PWA Moderne[64]

The Public Works Administration (PWA) was created by the National Industrial Recovery Act within a few months of the March 1933 Long Beach Earthquake. Much school reconstruction work was funded by the PWA following widespread damage to Los Angeles public schools in the wake of the earthquake,. Consequently, a substantial number of Los Angeles public schools either built or remodeled during this time exhibit some degree of PWA Moderne styling. Also referred to as "Stripped Classicism," the PWA Moderne often incorporates elements of a number of styles, including Classical Revival, Spanish Colonial Revival, Art Deco, and Streamline Moderne.

Compared with the Streamline Moderne, the PWA Moderne was more formal and symmetrical in its overall design, with less emphasis on curvilinear shapes and horizontality.

[64] Sapphos Environmental, Inc., *Los Angeles Unified School District Historic Context Statement,* 124.

This style is found throughout the United States, particularly for institutional buildings funded through the PWA. The PWA program was terminated in 1943.

Typical Character-Defining Features

- Emphasis on the vertical axis
- Symmetrical, formal design composition and massing
- Smooth wall surfaces, generally of stucco, concrete, and/or polished stone (rarely includes brick exterior elements)
- Usually a flat roof
- Piers, often fluted or reeded, separating recessed window channels
- Incorporation of shallow relief panels and interior murals

Mid-Century Modernism/Regional Modernism (Post-1945)[65]

Mid-Century Modernism, or Regional Modernism, represents a middle ground between the formal, machine-age aesthetic of the International Style and a regional idiom reflecting local precedent and identity. In the postwar period through the 1960s, as practiced in Southern California, Mid-Century Modernism took its cues from the region's first-generation modernist architects such as Richard Neutra, Rudolph Schindler, Gregory Ain, Frank Lloyd Wright, and Harwell Hamilton Harris. In the postwar period, second-generation practitioners such as Raphael Soriano, Whitney Smith, and A. Quincy Jones, among many others, established Los Angeles as a center for innovative architectural design and culture.

Mid-Century Modernism is characterized by an honest expression of structure and function, with little applied ornament. Aesthetic effect is achieved through an asymmetrical but balanced, rhythmic design composition, often expressed in modular post-and-beam construction. Whether wood or steel, post-and-beam construction allowed for open floor plans, ease of expansion, and generous expanses of glazing to heighten indoor-outdoor integration. Infill panels of wood or glass are common, with glazing often extending to the gable. Buildings are generally one to two-stories, with an emphasis on simple, geometric forms. Capped with low-pitched gabled or flat roofs, a Mid-Century Modern building often displays wide eaves and cantilevered canopies, supported on spider-leg or post supports. Sheathing materials vary, with wood, stucco, brick and stone, or steel-framing and glass. Windows are generally flush-mounted, with metal frames.

This style was seen in postwar institutional and commercial buildings, as well as residences, from 1945 until circa 1975, when Title 24 restrictions on the use of glass curtailed the expansive glazing that characterizes the style.

Typical Character-Defining Features

- Horizontal design composition and massing; generally one to two stories

[65] Sapphos Environmental, Inc., *Los Angeles Unified School District Historic Context Statement, 126.*

- Simple, geometric volumes
- Flat or shed roof, often with wide, cantilevered overhangs
- Exterior materials include stucco, brick, or concrete
- Modular design and planning
- Aesthetic qualities derive from use of simply treated materials and excellent craftsmanship
- Direct expression of structural systems, often in wood or steel post-and-beam
- Lack of historicizing ornament
- Generous expanses of fenestration, including bands of grouped multi-light windows
- Extensive use of sheltered exterior corridors, with flat or slightly sloped roofs supported by posts, piers, or pipe columns

African American Association with Schools[66]

Description - The first dedicated public schoolhouse in Los Angeles was constructed in 1855 at the corner of 2nd and Spring Streets. A second school opened shortly thereafter on N. Main Street. Each was two stories in height and constructed of brick. The school buildings that were constructed during the latter part of the 19th and early part of the 20th century followed this same general format, only larger and somewhat more formal. The Classical Revival was especially favored with impressive porticos and colossal columns proclaiming the importance attached to education. Most of these buildings fell victim to the 1933 Long Beach Earthquake. The State passed the Field Act in response to the public outcry over the vulnerability of school buildings to earthquake damage. Severely damaged schools were demolished, while others were rehabilitated and reinforced. Most of the schools reconstructed exhibit the mix of classicism and streamlining referred to as P.W.A. Moderne. Public schools from the period of significance are generally located in the Central Avenue corridor, or the Watts, West Jefferson, West Adams, or Pacoima areas. They include the Holmes Avenue Elementary School, 9th Street Elementary School, 20th Street Elementary School, 28th Street Elementary School, Wadsworth Avenue Elementary School (formerly 35th Street School), McKinley Avenue Elementary School, Hooper Avenue Elementary School, Carver Middle School (formerly McKinley Junior High School), and Jefferson High School. Lafayette Junior High School was the other middle school in the area. The building still stands, but the school has been closed.

Significance - Schools associated with the history of African Americans in Los Angeles may qualify for listing in the National Register under Criterion A at the local level. California joined the Union in 1850. During the first legislative session, statutes were enacted that denied African Americans the right to receive a public education, among other things. Between 1872 and 1879, black children gained some access to a public education, but the law proscribing their right to a public education was not repealed until 1880. At this point in time the

[66] Grimes, "Historic Resources Association with African Americans in Los Angeles" National Register Nomination, 49-50.

population of African Americans in Los Angeles was approximately 102, out of a total population of 11,000. The number of school age black children is unknown.

To the black community, education represented a means toward upward mobility. Access to educational opportunities was a powerful factor in attracting African Americans to Los Angeles. By 1910, the African American population of Los Angeles had grown to 7,599 and began to coalesce in the area south of downtown. Many settled in the Furlong Tract where black families could buy lots for $750 dollars. Businesses and services needed by the community of 200 homes opened, including three churches and a school. After many of the homes were damaged in the 1933 Long Beach Earthquake, families began to leave the neighborhood. The remaining houses were torn down in 1942 and the Pueblo Del Rio housing project was built to house defense industry workers. All that remains of the original Furlong Tract is the Holmes Avenue Elementary School. Built as the 51st Street School in 1910, it was rebuilt after a fire in 1922 and reopened as the Holmes Avenue Elementary School. While mainly African American children attended the school, the principals and teachers were exclusively white. In 1911, Bessie Burke joined the staff. She was the first African American teacher in the Los Angeles public school system. By 1918, she was promoted to principal of the school, another first for her race.

Public schools in Los Angeles were not segregated by law, but rather racial geography and the policies of the school district. Schools often served as the educational and social focal point for their respective communities. This was particularly true of high schools that also had extracurricular activities such as athletic and music programs. Most blacks attended either Jefferson or Jordan High Schools, although they were racially mixed through the late 1950s. Many of the most distinguished African American who grew up in Los Angeles.

Registration Requirements - To be eligible under Criterion A, schools must have been constructed during the period of significance (prior to 1958) and need to represent some aspect of African American history in Los Angeles. They may reflect a particular milestone in the community's struggle for equal access to education or equal access to employment opportunities in the field of education. A school that was attended by an African American who is considered a historic personage would not be considered eligible under Criterion B, because it is highly unlikely that it would reflect the person's life work. However, a school attended by numerous African Americans who are considered historic personages may be eligible under Criterion A for the cumulative importance of those individuals in the community. Schools should retain sufficient integrity to evoke their original use and character from the period of significance. The entire campus should be evaluated, and if there are multiple buildings with integrity remaining from the period of significance, consideration should be given to nominating them as an historic district. The historic location, setting, feeling, and association must be strongly present in the evaluation of integrity. The mid-1930s may be considered the baseline for evaluating the integrity of design, materials, and workmanship even for much older schools as virtually every school in Los Angeles was rehabilitated after 1933.

6.2 Historic District Assessment

The buildings and features of the 49th Street Elementary School campus have been considered collectively for their potential eligibility for listing in the National Register, California Register, and/or listing as a City of Los Angeles HCM.

The National Park Service defines a *historic district* as "a significant concentration, linkage, or continuity of sites, buildings, structures, or objects united historically or aesthetically by plan or physical development."[67] Additionally, school campuses are noted as a potential example of a historic district. School campuses in the United States, especially those built in the 20th century often have definable spaces and unified site plans that were constructed as institutional complexes for educational purposes. The combination of space and purpose reflects individual school buildings' interconnectedness and functionality as a larger grouping.

Because the 49th Street Elementary School campus contains a grouping of related buildings and features and was originally developed as an elementary school, consideration of this property as a potential historic district is an appropriate analytical framework for its evaluation.[68]

Findings

HRG identified a single potential historic district at the 49th Street Elementary School with a period of significance from 1935 to 1936. The potential historic district was found eligible for listing in the National Register and California Register, and for designation as a City of Los Angeles HCM under Criteria A/1/1 and C/3/3.

Primary contributors to the potential historic district are the West Building, Main Building, South Building, Auditorium Building, and three sheltered corridors. There are no secondary or tertiary contributors to the potential historic district. Non-contributors to the potential historic district are the Administration, Library, and Classroom Building/Classroom Building and Cafeteria/Lunch Pavilion. Additionally, no hardscaping or landscaping was found to contribute to the potential historic district.

Historic Significance

Criterion A/1/1

49th Street Elementary School is significant under National Register Criterion A, California Register Criterion 1, and City of Los Angeles HCM Criterion 1 within the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context of the LAUSD Historic Context Statement. The West Building, Main Building, South Building, Auditorium Building, and sheltered corridors (#1, #2, and #3) of the 49th Street Elementary School were constructed following the Long Beach Earthquake of 1933. The campus directly reflects a design shift resulting from this major natural disaster, when school plants were reimagined for longevity in a specifically Southern California environment. These buildings meet several eligibility standards established by this context. The 49th Street Elementary School exemplifies post-Long

[67] *National Register Bulletin 15: How to Apply the National Register Criteria for Evaluation.* Washington D.C.: National Park Service, U. S. Department of the Interior, 1997. (5)
[68] Ibid.

Beach earthquake school planning and requirements of the 1934 Field Act; has one-story massing; and retains most of the associative and character-defining features from the period of significance. Character-defining features of the context that are present on the campus include: "wood frame construction; generous expanses of windows; stylistically streamlined; and … the PWA Streamline Moderne style" as identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context. As a cohesively as a campus, the 49th Street Elementary School also retains character-defining features identified by the context including a "unified site plan; connecting sheltered corridors throughout campus; emphasis on a more expansive site plan; varied collection of buildings, differentiated by function and use; elaborate administration building, located near the campus entrance." Therefore, the 49th Street Elementary School meets the eligibility standards and character-defining features identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context.

Following the comprehensive redesign of the school in the 1930s, subsequent expansion of the school was completed in a piecemeal fashion in the 1960s as the population expanded and the school required additional space. Between 1965 and 1969, the Cafeteria/Lunch Pavilion, Administration, Library, and Classroom Building/Classroom Building, and sheltered corridor #4 were constructed. These buildings/structures do not meet the eligibility standards nor character-defining features identified in the *Educating the Baby Boom: The Postwar Modern, Functionalist School Plant, 1945-1980.* They do not reflect a "unified, functional site design, with buildings extending across the site and oriented in relation to outdoor spaces, do not exhibit "finger-like" wings; one-story massing; and do not exhibit the finger-plan or cluster-plan school." Moreover, buildings from this period do not "turn inward towards green spaces; do not reflect a series of axial, modular units; and do not display a modern design idiom, usually either regional modernist (with use of native materials such as stone, brick, and wood siding and/or framing)." For this reason, later development in the 1960s does not contribute to the potential historic district.

The period of significance for 49th Street Elementary School under Criterion A/1/1 spans from 1935 to 1936, during which architect Harry C. Deckbar designed the PWA Moderne-style school plant.

The campus was redesigned in the 1930s, around the time that the immediate vicinity was transforming into a largely Black community. As outlined in the "Historic Resources Associated with African Americans in Los Angeles" National Register Nomination:

> To be eligible under Criterion A, schools must have been constructed during the period of significance (prior to 1958) and need to represent some aspect of African American history in Los Angeles. They may reflect a particular milestone in the community's struggle for equal access to education or equal access to employment opportunities in the field of education.[69]

Although 49th Street Elementary School was constructed during the period of significance research did not indicate that the school was significant for its association with African

[69] Grimes, "Historic Resources Association with African Americans in Los Angeles" National Register Nomination, 50.

American development patterns and was not the site of significant events associated with this community. Instead, as outlined in history of Central Avenue context in Section 4, the Black community was increasingly centered around Central Avenue corridor as a result of rezoning to the north and surrounding restrictive housing. The school's increasingly African American student body was thus the result of de facto segregation and did not reflect a significant milestone in the community's struggle for equal access. Therefore, 49th Street Elementary School does not appear eligible for listing based on a significant association with the history of the African American community.

Criterion B/2/2

No information was found to suggest that the 49th Street Elementary School was associated with any historic personages, nor that any other individuals of historic significance were associated with the property. Therefore, the 49th Street Elementary School is not eligible for listing under Criterion B/2/2.

Criterion C/3/3

49th Street Elementary School is also significant under National Register Criterion C, California Register Criterion 3 and City of Los Angeles HCM Criterion 3 within the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* and the *PWA Moderne* contexts of the LAUSD Historic Context Statement. The West Building, Main Building, South Building, Auditorium Building, and sheltered corridors (#1, #2, and #3) of the 49th Street Elementary School embody the distinctive characteristics of a type, period, and method of construction, notably that of PWA Moderne-style buildings. Buildings at the campus dating to 1935-1936 were designed or remodeled by architect Harry C. Deckbar, who incorporated the clean lines of the PWA Moderne style with the popular Neoclassical style to create a unique stylistic vocabulary on the campus. Buildings reflect the planning and design concepts of the period, including "one-story massing; general expanses of windows; unified site plan with central courtyard; and sheltered corridors throughout campus." As identified in the *PWA Moderne* context, the buildings feature "symmetrical, formal design composition and massing; smooth wall surfaces; and piers, often fluted or reeded." The buildings at 29th Street Elementary School also incorporate "elements of a number of styles, including Classical Revival," as the context identifies as typical of PWA Moderne styles. Furthermore, as identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context, buildings designed during this period all reflect the period's emphasis on a varied collection of buildings differentiated by function and use, such as a separate auditorium. Features constructed in the mid-1930s include the Main Building, South Building, Auditorium Building, and three associated sheltered corridors (#1, #2, and #3). The West Building was also remodeled to follow the design vocabulary of the campus.

Buildings constructed during the 1960s were constructed incrementally with later additions completed to accommodate an increase in population. The Cafeteria/Lunch Pavilion, Administration, Library, and Classroom Building/Classroom Building, and sheltered corridor #4 do not meet the eligibility standards nor character-defining features identified in the *Mid-Century Modernism/Regional Modernism* context. These buildings are not exemplary Modern style buildings. They do not reflect "aesthetic qualities derived from use of simply treated

materials and excellent craftsmanship; direct expression of structural systems; or the extensive use of sheltered exterior corridors." Although the Classroom Building addition and Cafeteria/Lunch Pavilion were designed by notable African American architect Harold Louis Williams, the buildings are utilitarian in design and are not significant examples of Williams' work. As clarified by the National Park Service, "a property is not eligible as the work of a master, however, simply because it was designed by a prominent architect." Instead, the work must "express a particular phase in the development of the master's career, an aspect of his or her work, or a particular idea or theme in his or her craft."[70] As such, the buildings at 49th Street Elementary School are not notable examples of Williams' craft within his greater oeuvre, compared with other more notable buildings such as the Compton City Hall (1976) and Compton Civic Center (1977). Moreover, buildings completed during the 1960s on the campus are not clearly expressive of the ideals for "informality, indoor-outdoor connections, and zoned planning" that was significant in the post-war era, as identified in the *Educating the Baby Boom: The Postwar, Modern, Functionalist School Plant, 1945-1980* context. As such, later development at the school does not contribute to the potential historic district.

The period of significance for 49th Street Elementary School under Criterion C/3/3 is 1935-1936, when the campus was redesigned in the PWA Moderne style.

Evaluation of Eligibility

Evaluation of the Potential Historic District for the National Register

The potential historic district appears to be significant under National Register Criteria A and C at the local level for its association with post-Long Beach Earthquake school development and meets the eligibility standards and character-defining features identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context. The PWA Moderne buildings also meet the eligibility standards and character-defining features identified in the *PWA Moderne* context. The school campus is important as a group of resources that dates from the school's post-earthquake redevelopment and reflects the construction and design ethos of the mid-1930s. For these reasons, the campus appears to meet the criteria for listing as a potential historic district on the National Register of Historic Places.

Evaluation of the Potential Historic District for the California Register

The potential historic district appears to be significant under California Register Criteria 1 and 3 for its for its association with post-Long Beach Earthquake school development and meets the eligibility standards and character-defining features identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context. The PWA Moderne buildings also meet the eligibility standards and character-defining features identified in the *PWA Moderne* context. The school campus is important as a group of resources that dates from the school's early development and reflects the construction and design ethos of the mid-1930s. For these reasons, the campus appears to meet the criteria for listing as a potential historic district on the California Register of Historical Resources.

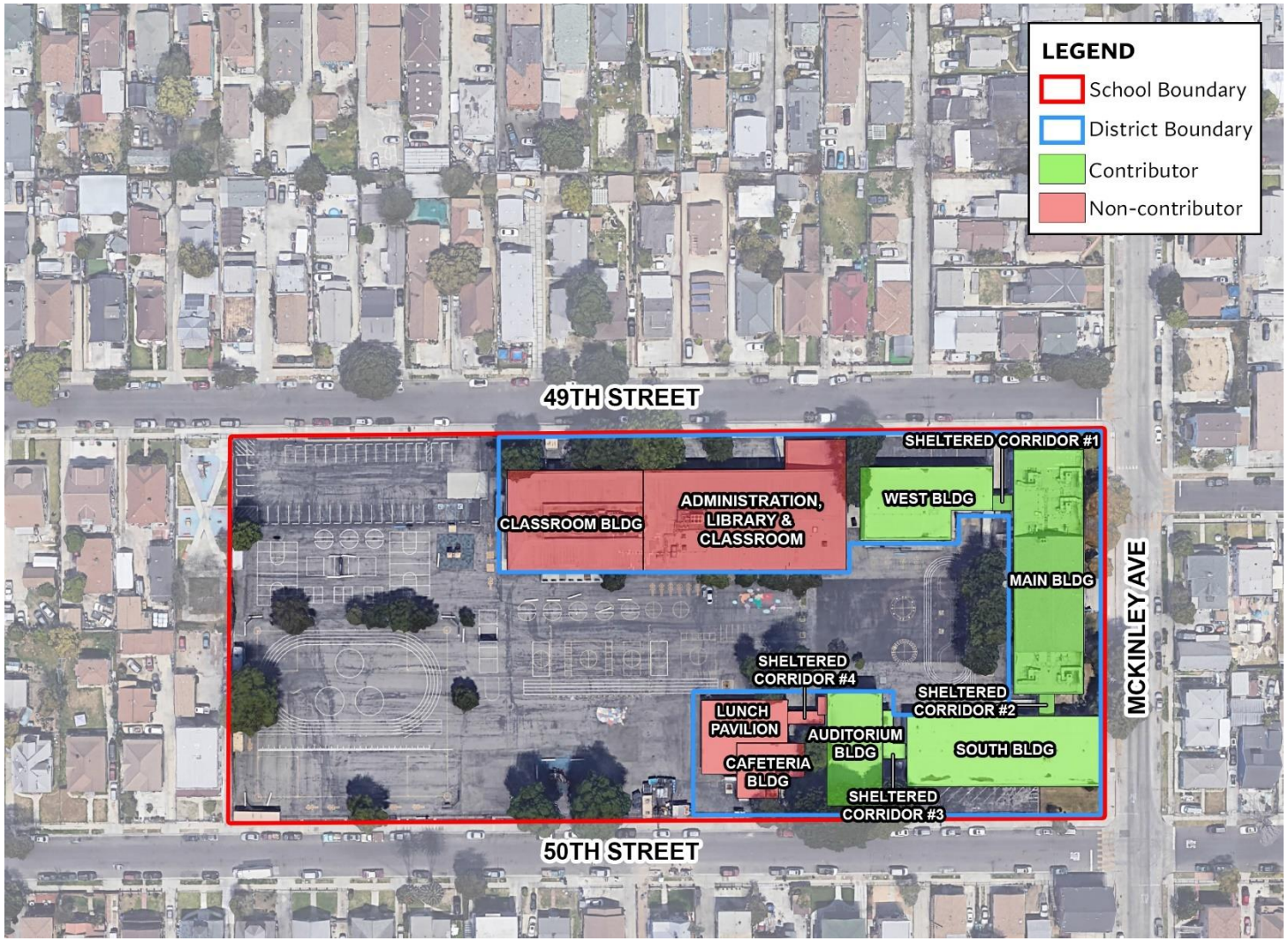
[70] National Park Service, "National Register Bulletin: How to Apply the National Register Criteria for Evaluation," 1995, 20.

Evaluation of the Potential Historic District for designation as an HCM

The potential historic district appears to be significant for local listing under Criteria 1 and 3 for its association with post-Long Beach Earthquake school development and meets the eligibility standards and character-defining features identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context. The PWA Moderne buildings also meet the eligibility standards and character-defining features identified in the *PWA Moderne* context. The school campus is important as a group of resources that dates from the school's early development and reflects the construction and design ethos of the mid-1930s. For these reasons, the campus appears to meet the criteria for listing as a City of Los Angeles HCM.

The location of contributing buildings and site features to the potential historic district as well as the district boundary is shown below in Figure 3.

Figure 3. Potential Historic District Map



49th Street Elementary School Historic Resources Evaluation Report

HISTORIC RESOURCES GROUP

6.3 Individual Assessment

The buildings and features of the 49th Street Elementary School campus have also been considered individually for their potential eligibility for listing in the National Register, California Register, and/or listing as a City of Los Angeles HCM.

HRG did not identify any individually eligible buildings located at 49th Street Elementary School. The West Building, Main Building, South Building, Auditorium Building and three sheltered corridors (#1, #2, and #3) are not individually exceptional examples of the PWA Moderne style of architecture. Instead, the school's significance is best represented as a historic district comprised of a cohesive collection of buildings from the 1930s. Additionally, the Administration, Library, and Classroom Building/ Classroom Building, Cafeteria/Lunch Pavilion, and sheltered corridor (#4), which date to the mid- to late-1960s were not found to be individually exceptional examples of the Mid-Century Modern/Regional Modern style of architecture. None of the buildings on the campus were found to be associated with significant personages or important events or periods of development. Instead, significance is derived from the cohesive collection of buildings on the campus.

Eligibility of Buildings and Features at 49th Street Elementary School

The following table identifies the construction year, integrity, and historic status for buildings and features that are extant on the 49th Street Elementary School campus today:

Table 2. Eligibility of Buildings and Features

Current Feature Name	Year Built	Integrity	Status
Buildings			
West Building	1923	Good	Contributor
Main Building	1935	Good	Contributor
South Building	1935	Good	Contributor
Auditorium Building	1936	Good	Contributor
Administration, Library, and Classroom Building/Classroom Building	1965/1969	N/A	Non-Contributor
Cafeteria/Lunch Pavilion	1969	N/A	Non-Contributor
Site Features			
Sheltered Corridors (#1, #2, #3)	1935-1936	Good	Contributor
Sheltered Corridor (#4)	1969	Good	Non-Contributor

7.0 Historic Integrity

Historic integrity is the ability of a property to convey its significance. It is defined as the "authenticity of a property's historic identity, evidenced by the survival of physical characteristics that existed during the property's historic period."[71] The National Park Service defines seven aspects of integrity: location, design, setting, materials, workmanship, feeling, and association.[72]

Assessment of Integrity

49th Street Elementary School contains a cohesive concentration of four contributing buildings and three contributing site features that dates from the period of significance and has been identified as the potential historic district. Integrity of the property's individual buildings is varied, and all buildings and features have been subject to varying levels of alteration. However, despite some degree of alteration, the property retains much of the circulation pattern and spatial relationships established during the period of significance that characterize the potential historic district as a whole. A detailed assessment of the integrity of the potential historic district is discussed below.

- **Location:** The buildings constructed during the period of significance remain in their original locations in the eastern region of the campus. Therefore, the campus retains integrity of *location*.
- **Design:** The campus retains the buildings and sheltered corridors constructed or remodeled as part of the 1935-1936 PWA Moderne style with Neoclassical elements design of the campus. These include the West Building, Main Building, South Building, Auditorium Building, and three sheltered corridors (#1, #2, and #3). These buildings/structures retain most of their character-defining features such as symmetrical, formal design, smooth wall surfaces, fluted piers, and ornamentation associated with the Neoclassical style of architecture. Despite some alterations, a majority of the essential physical features reflecting the original design and organization of the property as a school from the 1930s remain intact within the potential historic district. Therefore, the campus retains integrity of *design*.
- **Setting:** The potential historic district is located in the eastern region of the school property. The property continues to function as a public elementary school. The surrounding area of southeast Los Angeles has a whole has experienced some development, but remains a low-density residential neighborhood. Thus, the campus retains integrity of *setting*.
- **Materials:** The potential historic district retains most of its original materials. Contributors typically retain some physical elements from the period of significance, including original cladding, including smooth wall surfaces of plaster concrete, wood detailing as seen on the Neoclassical style ornaments, and some original windows and doors. Therefore, the potential historic district's integrity of *materials* has been compromised.
- **Workmanship:** The potential historic district retains the physical evidence of crafts of a particular culture or people during any given period in history or prehistory. This includes the contributors' construction methods and design choices, such as ornaments that reflect the Neoclassical style of architecture. Moreover, most exterior cladding and even detail work have been retained. Overall, the buildings continue to retain substantial physical evidence of period

[71] Ibid.
[72] *National Register Bulletin 15: How to Apply the National Register Criteria for Evaluation.* Washington D.C.: National Park Service, U.S. Department of Interior, 1995. (44-45)

construction techniques, including finishes and design elements, such as smooth plaster exteriors, fluted pilasters, lintel and sill courses, that reflect the character and identity of the potential historic district. Therefore, the campus retains integrity of *workmanship*.

- **Feeling:** The potential historic district retains most of the character-defining features of its original construction, including representative building types as well as spatial relationships and circulation patterns that are typical of campuses from this time. Because it retains all the preceding aspects, it continues to express the aesthetic or historic sense of a 1930s PWA Moderne elementary school. Thus, the campus retains integrity of *feeling*.
- **Association:** Association is the direct link between an important historic event or person and a historic property. Because the campus retains integrity of *location, design, setting, workmanship,* and *feeling,* it continues to convey its direct link to the development of safer public schools following the 1933 Long Beach Earthquake utilizing new design principals. Therefore, the campus retains integrity of *association*.

49th Street Elementary School retains integrity of *location, design, setting, workmanship, feeling,* and *association* from the identified period of significance. The therefore continues to convey its significance as a post-1933 Long Beach Earthquake school plant, and as an excellent example of a WPA Moderne campus design.

8.0 CHARACTER-DEFINING FEATURES

8.1 Character-Defining Features

Character-defining features are distinctive elements and physical features that convey the historical appearance of a property and are required for it to convey its historical significance. According to Preservation Brief 17, there is a stepped process to identifying character-defining features.[73] The first step involves assessing the distinguishing physical aspects of the building as a whole. This second step involves examining the building more closely. While on their own each of the elements above may not convey historical significance, in combination they define the property and convey the associations for which it is significant.

Tables 3 through 7 below are included to provide the character-defining features of each contributor to the potential historic district. These include aspects of each contributor's shape/form, roof, openings, projections, secondary features, materials, setting, and, if applicable, interior features. Additionally, as required by LAUSD, character-defining features are ranked according to primary, secondary, and tertiary importance in order to inform advanced planning.

[73] Lee Nelson, *Architectural Character—Identifying the Visual Aspects of Historic Buildings as an Aid to Preserving their Character,* Preservation Brief No. 17, U.S. Department of the Interior, National Park Service, Technical Preservation Services.

West Building

Table 3. Character-Defining Features of West Building

Type	Feature	Primary	Secondary	Tertiary
Shape/Form	"L"-shaped plan	X		
	1-story height	X		
Roof	Flat roof with metal coping	X		
Openings	Flush entrances with metal doors	X		
	Rhythm of windows and doors	X		
	Wood sash double-hung windows with lugs	X		
	Six-light transom light	X		
	Rectangular vents			X
Projections	Concrete wing wall		X	
Secondary Features	Rounded streamlined lintel course	X		
	Squared sill course	X		
Materials	Textured cement plaster exterior	X		
	Wood windows	X		
	Metal doors and canopies	X		X
Setting	Setback from 49th Street	X		
	Location, configuration, and spatial relationships	X		
Interior	Wood casings and baseboards		X	
	Arched ceiling		X	

Main Building

Table 4. Character-Defining Features of Main Building

Type	Feature	Primary	Secondary	Tertiary
Shape/Form	Rectangular plan	X		
	1-story height	X		
Roof	Side-gable and flat roof with metal coping	X		
Openings	Recessed street entrances along 49th Street and McKinley Avenue	X		
	Rhythm of windows and doors	X		
	Double-hung wood sash windows with lugs	X		
	Six-light transom lights	X		
	Sidelights	X		
	Rectangular, louvered vents			X
Projections	Concrete stairs to 49th Street and McKinley Avenue entrances	X		
	Parastedes and Balustrades	X		
	Chimney (stuccoed)		X	
Secondary Features	Decorative detailing including pediment, fluted pilasters, starbursts on return cornice, patera medallions, and dentils on pilaster capitals	X		
	Rounded streamlined lintel course	X		
	Squared sill course	X		
Materials	Textured cement plaster exterior	X		
	Wood windows	X		
	Metal doors	X		
Setting	Location, configuration, and spatial relationships	X		
	Setback from 49th Street, McKinley Avenue, and 50th Street	X		
Interior	Trophy case		X	
	Wood casings and baseboards		X	

South Building

Table 5. Character-Defining Features of South Building

Type	Feature	Primary	Secondary	Tertiary
Shape/Form	Rectangular plan	X		
	1-story height	X		
Roof	Flat roof with metal coping	X		
Openings	Recessed street entrance along McKinley Avenue	X		
	Fenestration pattern	X		
	Double-hung wood sash windows with lugs	X		
	Six-light transom lights	X		
	Rectangular, louvered vents			X
	Interior entrance into courtyard	X		
Projections	Concrete stairs to McKinley Avenue entrances	X		
	Concrete parastedes	X		
Secondary Features	Fluted pilasters on McKinley Avenue entrance	X		
	Rounded streamlined lintel course	X		
	Squared sill course	X		
Materials	Textured cement plaster exterior	X		
	Wood windows	X		
	Metal doors	X		
Setting	Location, configuration, and spatial relationships	X		
	Setback from McKinley Avenue	X		
Interior	Wood floors		X	
	Wood casings and baseboards		X	
	Cabinets		X	

Auditorium Building

Table 6. Character-Defining Features of Auditorium Building

Type	Feature	Primary	Secondary	Tertiary
Shape/Form	Rectangular plan	X		
	1-story height	X		
Roof	Truss roof with metal coping	X		
Openings	Flush entrances with metal doors	X		
	Fenestration pattern	X		
	Double-hung wood sash windows with lugs	X		
	Six-light transom lights	X		
	Sidelights		X	
	Rectangular vents			X
Projections	Concrete stairs along 50th Street entrance	X		
	Low, concrete parastedes with curvilinear metal pipe railings	X		
Secondary Features	Decorative detailing including pediment, fluted pilasters, patera medallions, and dentils on pilaster capitals along 50th Street entrance	X		
	Rounded streamlined lintel course	X		
	Squared sill course	X		
Materials	Textured cement plaster exterior	X		
	Wood windows	X		
Setting	Setback from 50th Street	X		
	Relationship to other contributing buildings	X		
Interior	Stage with proscenium framed by fluted pilasters supporting a stylized entablature	X		
	Beaded dado rail and plaster entablature	X		
	Industrial fire door		X	
	Restroom			X

Sheltered Corridors (3)

Table 7. Character-Defining Features of the Sheltered Corridors (3)

Type	Feature	Primary	Secondary	Tertiary
Shape/Form	Rectangular plan	X		
	1-story height with raised concrete slab	X		
Roof	Flat roofs	X		
Openings	Open sides with metal pipe guardrails	X		
Projections	Stairs centrally located along corridors with rounded metal pipe guardrails	X		
Secondary Features	Decorative detailing including scored squared wood columns and wood beam with scallop details	X		
Setting	Location, configuration, and spatial relationships	X		

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Appendix A. DPR 523 Series Forms

State of California ◆ The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code 3S

Other Listings
Review Code Reviewer Date

Page 1 **of** 27 ***Resource Name or #:** (Assigned by recorder) 49th Street Elementary School
P1. Other Identifier:
***P2. Location:** ☐ **Not for Publication** ■ **Unrestricted**
***a. County** Los Angeles County
***b. USGS 7.5' Quad** Inglewood **Date** 2021 **T** 2S; **R** 13W; __ **of** __ **of Sec** __ **B.M.**
c. Address 750 E. 49th Street **City** Los Angeles **Zip** 90011
d. UTM: (Give more than one for large and/or linear resources) **Zone** 11S, 383430 **mE**/ 3762499 **mN**
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate) APN: 5108-11-909; 5108-909-910
***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The 49th Street Elementary School campus occupies approximately 5.7 acres. The campus is bounded to the north by East 49th Street, to the east by McKinley Avenue, to the south by East 50th Street, and to the west by single-family residences. The school campus is occupied by five (5) permanent buildings, one (1) permanent structure, four (4) sheltered corridors, and various open spaces. There is one (1) portable building, the Mechanical Shed.

The buildings are clustered along the northern, eastern, and southern boundaries of the campus, forming a "U" shape around a central play yard. Most of the campus consists of play yards and parking areas paved in asphaltic concrete and surrounded by chain link fencing. Landscaping is limited to lawns, shrubs, some trees in narrow setbacks along the three street frontages, and scattered trees in the play yards. The school is currently accessed via a pedestrian entrance on the north side of the Administration, Library & Classroom Building along E. 49th Street. *(See Continuation Sheet)*

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



***P3b. Resource Attributes:** HP15: Educational Building
***P4. Resources Present:** ☐Building ☐Structure ☐Object ☐Site ■District ☐Element of District ☐Other (Isolates, etc.)
P5b. Description of Photo: (view, date, accession #) View facing west, March 2022
***P6. Date Constructed/Age and Source:** ■ Historic ☐ Prehistoric ☐ Both
1935-1936 (Historic District)
***P7. Owner and Address:**
Los Angeles Unified School District
333 S. Beaudry Avenue
Los Angeles, California 90017
***P8. Recorded by:** (Name, affiliation, and address)
Alexandra Madsen and Ani Mnatsakanyan
Historic Resources Group
12 S. Fair Oaks Avenue, Suite 200
Pasadena, CA 91105
***P9. Date Recorded:** June 2022
***P10. Survey Type:** (Describe)
Intensive

***P11. Report Citation**: (Cite survey report and other sources, or enter "none.") Historic Resources Group,"49th Street Elementary School Historic Resources Evaluation Report," June 2022, prepared for the Los Angeles Unified School District.

***Attachments:** ☐ NONE ☐ Location Map ■Continuation Sheet ■Building, Structure, and Object Record
☐Archaeological Record ☐ District Record ☐Linear Feature Record ☐Milling Station Record ☐Rock Art Record
☐Artifact Record ☐Photograph Record ☐ Other (List):

State of California ♦ The Resources Agency Primary #
DEPARTMENT OF PARKS AND RECREATION HRI#

BUILDING, STRUCTURE, AND OBJECT RECORD

***Resource Name or #** (Assigned by recorder) 49th Street Elementary School ***NRHP Status Code** 3S
Page 2 **of** 27
B1. Historic Name: 49th Street Elementary School
B2. Common Name: 49th Street Elementary School
B3. Original Use: Educational B4. Present Use: Educational
***B5. Architectural Style:** PWA Moderne with Neoclassical elements
***B6. Construction History:**
The 49th Street Elementary School is situated in the Southeast neighborhood of Los Angeles. Prior to the development of the school, the block that comprises the school campus was developed with single-family residences. The first construction phase of 49th Street Elementary School was completed in the early 1910s, and the school was dedicated in 1914. The school campus was designed by Frank K. Krucker and Harry C. Deckbar of Krucker and Deckbar.

At the time of its dedication, the *San Pedro Pilot* recorded that 49th Street Elementary School was "said to be the latest and best in school buildings in the entire city." The campus initially consisted of one main building located near McKinley Avenue and two smaller classrooms near the west side of the lot. A photograph from the period shows the 2-story masonry building that was constructed in 1913. In 1923, a single two-story brick building (West Building) was also built on the site.

(See Continuation Sheet)

***B7. Moved?** ■**No** ☐**Yes** ☐**Unknown** **Date:** **Original Location:**
***B8. Related Features:**

B9a. Architect: Harry C. Deckbar b. Builder: Johnson & Dahlquist
***B10. Significance:** **Theme** Post-1933 Long Beach Earthquake School Plants, 1933-1945; PWA Moderne **Area** Education
Period of Significance 1935-1936 **Property Type** Institutional/Educational **Applicable Criteria** A/1/1 and C/3/3

Findings
HRG identified a single potential historic district at the 49th Street Elementary School with a period of significance from 1935 to 1936. The potential historic district was found eligible for listing in the National Register and California Register, and for designation as a City of Los Angeles HCM under Criteria A/1/1 and C/3/3.

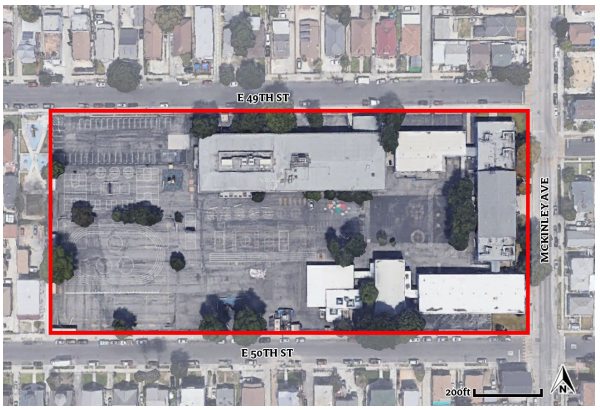
(See Continuation Sheet)

B11. Additional Resource Attributes: (List attributes and codes) None

***B12. References:**
"49th Street School History Highlighted," *Southside Journal*, February 17, 1972.
(See Continuation Sheet)

B13. Remarks:
***B14. Evaluator:** Alexandra Madsen, Historic Resources Group
***Date of Evaluation:** June 2022

(Sketch Map with north arrow required.)



(This space reserved for official comments.)

***P3a. Description: (Continued…)**

Administration, Library, and Classroom Building/Classroom Building

The Administration, Library, and Classroom Building was constructed in 1965; an addition, known as the Classroom Building, was constructed in 1969. Together they form a two-story building with a rectangular plan and a one-story projection on the north façade. It has complex massing and asymmetrical composition. The two-story volume has a low-pitched hipped roof with plaster eave soffits and a canted fascia; the one-story volume has an asymmetrical front gable roof with open eaves and overhanging rakes. The exterior walls are finished in brick veneer, scored concrete, and textured cement plaster. Fenestration consists primarily of ribbons of four-light fixed and two-over-two double-hung aluminum sash windows at the east portion of the building; and high ribbon windows on the west portion. The primary entrance is asymmetrically located on the north (primary) façade and consists of a pair of partially glazed, divided light doors with sidelights and transom light, accessed by a projecting porch. There is an exterior metal staircase on the west façade with guardrails of metal mesh and metal pipe.

West Building

The West Building was constructed in 1923 and altered in 1935. It is a one-story building with a roughly "L"-shaped plan, simple massing, and asymmetrical composition. It has a flat roof with a low parapet. The exterior walls are finished in textured cement plaster and articulated with continuous header and sill courses. Fenestration consists primarily of three-over-three wood sash double hung windows in single or coupled configurations, some with transom panels and others with projecting subsills. The primary entrance is asymmetrically located on the south façade and consists of a pair of flush doors with a six-light transom light; the doors are accessed by a wide concrete stoop and steps with a shaped plastered parapet. Two secondary entrances on the south façade consist of flush doors with metal canopies, accessed by a concrete ramp and steps with metal pipe guardrails.

The interior of the West Building is divided into several spaces. Most classrooms are accessible via a central hallway. Two additional rooms, a classroom and kitchen, are accessible via the concrete ramp along the primary façade. The building's interior has tile flooring, plaster walls, and acoustical tile ceilings. It has flush wood doors with flat wood casings and baseboards; some doors have flush wood transom panels. The kitchen/staff room features wood cabinets.

Main Building

The Main Building was designed by architect Harry C. Deckbar and constructed in 1935. It is a PWA Moderne style one-story building with a rectangular plan, balanced but not strictly symmetrical composition, and complex massing consisting of a central volume flanked by wings. The central volume has a moderately pitched side gable roof with asphalt composition shingle roofing and a continuous eave cornice; the flanking wings have flat roofs with built-up roofing. The exterior walls are finished in textured cement plaster and articulated with continuous header and sill courses. The east (primary) façade of the central volume is framed with stylized fluted pilasters. Fenestration consists primarily of horizontal groupings of six-over-six and eight-over-eight double hung wood sash windows; some window openings are infilled with solid panels. The primary entrance, now blocked features some Neoclassical elements, is symmetrically located on the east façade of the central block and consists of solid panels in the configuration of doors with sidelights and transom lights, with reeded jambs and a stylized architrave. It is recessed under a pedimented gable supported on stylized fluted pilasters and flanked by wood posts. The entrance is accessed by a wide flight of concrete steps with parastedes and balustrades. There is a secondary entrance on the north façade, consisting of a pair of flush doors in a rectangular recess flanked by stylized fluted pilasters and accessed by concrete steps with parastedes.

The interior of the Main Building features a central hallway that opens to classrooms. The building has resilient tile floors, plaster walls, and acoustical tile ceilings. It has wood baseboards and casings. Most interior doors in this building feature transom panels. A wood trophy case is located in the hallway.

South Building

The South Building was designed by architect Harry C. Deckbar and constructed in 1935. It is a one-story PWA Moderne style building with a rectangular plan, simple massing, and a flat roof with a low parapet and metal coping. The exterior walls are finished in textured cement plaster and articulated with continuous header and sill courses. Fenestration consists primarily of horizontal groupings of six-over-six double hung wood sash windows; some window openings are infilled with solid panels. The east façade is symmetrically composed around the primary entrance, which consists of a pair of flush doors with a divided-light transom light in a rectangular recess flanked by stylized reeded pilasters. The entrance is accessed by a flight of concrete steps with concrete parastedes.

The interior of the South Building features a central hallway that opens to classrooms. It has wood and resilient tile floors, plaster walls, and acoustical tile ceilings. It has wood cabinets, radiators, and ceramic water fountains.

***P3a. Description: (Continued…)**

Auditorium Building

The Auditorium Building was designed by architect Harry C. Deckbar and constructed in 1936. It is a PWA Moderne style one-story building with a rectangular plan, simple massing, and symmetrical composition and a bow truss roof. The exterior walls are finished in textured cement plaster and articulated with piers and a continuous stringcourse and sill course; the corners are highlighted with wide, channeled piers. Fenestration consists primarily of six-over-six double hung wood sash windows. The primary entrance is symmetrically located on the south façade and consists of a pair of flush doors with a transom panel and architrave, in a rectangular recess framed by stylized fluted pilasters supporting a pediment. The entrance is accessed by a concrete staircase flanked with parastedes and curvilinear metal pipe railings. Secondary entrances on the east and west façades consist of flush doors with metal hoods, accessed by concrete steps with metal pipe guardrails.

The interior of the Auditorium Building features an open auditorium space with a restroom set behind the stage. The building has a raked floor with resilient tile flooring, acoustical tile ceiling, and fixed seating. The walls are plaster with a wood baseboard, beaded dado rail, and plaster entablature. The stage has a proscenium framed with fluted pilasters supporting a stylized entablature.

Cafeteria/Lunch Pavilion

The Cafeteria/Lunch Pavilion was constructed in 1969. It is a one-story building with an irregular plan, complex massing and asymmetrical composition. It is composed of two distinct parts: a kitchen with an L-shaped plan, shed roofs with boxed eaves and rakes, and exterior walls finished in cement plaster; and an open-sided shelter wrapping the north and west sides of the kitchen, with a flat roof supported on wood beams, concrete masonry columns and tube steel posts. The entrance consists of a flush door. Fenestration consists of a grouping of three windows with metal security screening, and service windows with metal roll-up shutters and metal security screens.

Sheltered Corridors (4)

There are four sheltered corridors on the campus, which connect separate buildings. Two elevated sheltered corridors from the 1930s (#1 and #2) connect the Main Building to the West and South Buildings. They have flat roofs with plaster soffits, wood beams with scalloped friezes, wood posts, scored concrete paving, and metal pipe guardrails. A third sheltered corridor dating from the 1930s (#3) connects the South Building to the Auditorium Building. It has a flat roof with plaster fascias and soffit supported on paired metal pipe columns, on concrete curbs with metal pipe guardrails. A fourth sheltered corridor (#4) dates from the 1960s and connects the Auditorium Building to the Lunch Pavilion; it has a flat roof supported on square steel tube posts.

***B6. Construction History (Continued…):**

The 1933 Long Beach earthquake, and then the 1934 Field Act, hastened the need for widespread school repairs and new construction, which accelerated the stylistic shift during this period. Following the Long Beach Earthquake of 1933, the Los Angeles Unified School District decided to modernize the 49th Street campus.As a result, the original main building on the campus was demolished. As recorded in the *Illustrated Daily News,* "excellent brick and steel construction now being demolished and none of which failed, but many tons of ornamental concrete fell to the ground."

While new buildings were under construction, classes were temporarily held in tents on the campus grounds. The only building that was retained and retrofitted following the Long Beach Earthquake was the West Building, which is located in the northeastern region of the campus.

Between 1933 and 1935, the school district spent approximately $2 million in rehabilitating schools in South Los Angeles, including 49th Street Elementary School. The 49th Street Elementary School received over $109,000, which was allotted for the construction of two new buildings (Main Building and South Building) and the reconstruction of a one-story school building (West Building). Work was completed by architect Harry C. Deckbar and contractors Johnson & Dahlquist. The Main Building and South Building are both single-story wood frame buildings with concrete foundations and cement plaster exteriors. Deckbar also redesigned the West Building. Originally a two-story building, the West Building's second story was removed, and the building was reclad with cement plaster exteriors to match the design of the Main Building and South Building.

In 1936, Deckbar also designed the school's 1-story Auditorium Building. Unlike the other new buildings on the site, which were of wood frame construction, the Auditorium Building was of reinforced concrete and steel construction. Harold A. Nelson served as the structural engineer and Brunzell & Jacobson served as the general contractors.

A cafeteria building was also constructed at this time near the South Building; this cafeteria is no longer extant. All buildings designed by Deckbar were completed in the PWA Moderne style of architecture with some Neoclassical elements.

***B6. Construction History (Continued…):**

The school underwent some alterations in the 1950s. In 1950, a permit was issued to repair the school's storage shed, located at the west end of the parcel, to conform to code. Simultaneously, a separate permit was issued for a 1-story building for temporary classrooms, which was located to the west of the West Building along 49th Street. The repair work and temporary classrooms were designed by architect E.R.C. Billerbeck (not extant).

In the 1950s and 1960s, several additional classroom buildings were constructed on site. In 1952, a new 2-room classroom building was built, designed by A.B. Niebecker, Jr (not extant). In 1960, architect Kenneth N. Bergstrom designed a larger classroom building, constructed by Carter Mack Building Inc. for the school (not extant). Both of these buildings were demolished in the late 1960s. These non-extant buildings are visible in a Sanborn Fire Insurance Map from 1950.

The Administration, Library & Classroom building was designed by Kent Attridge & Associates in 1965. In 1969, an addition was added to the west of the building (Classroom Building), designed by Harold L. Williams & Associates. Williams also designed the new Cafeteria/Lunch Pavilion that same year. The Administration, Library & Classroom Building/Classroom Building comprise a single building, but where they are joined is visually distinctive from the interior. The building is visible in an historical aerial photograph from 1971. In 1969, over 1,000 parents and community residents toured the new classrooms, school facilities, and newly completed 2-story annex building at the 49th Street Elementary School.

In 1972, several buildings on campus were renamed in honor of black Americans during "Negro History Week." The theme of the program was "cementing Black greatness in the community," and names were chosen from those Black Americans who have made great contributions to the history and culture of the United States.

Alterations to extant buildings on the 49th Street Elementary School campus are limited, and the school overall retains many of its character-defining features. The West Building was altered with cement plaster exterior and interior remodeling following the Long Beach Earthquake. The cupola on the Main Building was removed in the mid- to late-1970s. The Classroom Building was added to the Administration, Library, and Classroom Building as an addition in 1969.

Interior alterations have been extensive and include new resilient tile flooring, acoustical tile ceilings, the removal of interior transom lights, and alterations to fixtures. Some character-defining features have been retained, such as window and door surrounds, wood cabinets, radiators, and transom openings.

***B10. Significance (Continued…):**

HRG identified a single potential historic district at the 49th Street Elementary School with a period of significance from 1935 to 1936. The potential historic district was found eligible for listing in the National Register and California Register, and for designation as a City of Los Angeles HCM under Criteria A/1/1 and C/3/3.

Historic Significance

Criterion A/1/1

49th Street Elementary School is significant under National Register Criterion A, California Register Criterion 1, and City of Los Angeles HCM Criterion 1 within the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context of the LAUSD Historic Context Statement. The West Building, Main Building, South Building, Auditorium Building, and sheltered corridors (#1, #2, and #3) of the 49th Street Elementary School were constructed following the Long Beach Earthquake of 1933. The campus directly reflects a design shift resulting from this major natural disaster, when school plants were reimagined for longevity in a specifically Southern California environment. These buildings meet several eligibility standards established by this context. The 49th Street Elementary School exemplifies post-Long Beach earthquake school planning and requirements of the 1934 Field Act; has one-story massing; and retains most of the associative and character-defining features from the period of significance. Character-defining features of the context that are present on the campus include: "wood frame construction; generous expanses of windows; stylistically streamlined; and … the PWA Streamline Moderne style" as identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context. As a cohesively as a campus, the 49th Street Elementary School also retains character-defining features identified by the context including a "unified site plan; connecting sheltered corridors throughout campus; emphasis on a more expansive site plan; varied collection of buildings, differentiated by function and use; elaborate administration building, located near the campus entrance." Therefore, the 49th Street Elementary School meets the eligibility standards and character-defining features identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context.

***B10. Significance (Continued…):**

Following the comprehensive redesign of the school in the 1930s, subsequent expansion of the school was completed in a piecemeal fashion in the 1960s as the population expanded and the school required additional space. Between 1965 and 1969, the Cafeteria/Lunch Pavilion, Administration, Library, and Classroom Building/Classroom Building, and sheltered corridor #4 were constructed. These buildings/structures do not meet the eligibility standards nor character-defining features identified in the *Educating the Baby Boom: The Postwar Modern, Functionalist School Plant, 1945-1980.* They do not reflect a "unified, functional site design, with buildings extending across the site and oriented in relation to outdoor spaces, do not exhibit "finger-like" wings; one-story massing; and do not exhibit the finger-plan or cluster-plan school." Moreover, buildings from this period do not "turn inward towards green spaces; do not reflect a series of axial, modular units; and do not display a modern design idiom, usually either regional modernist (with use of native materials such as stone, brick, and wood siding and/or framing)." For this reason, later development in the 1960s does not contribute to the potential historic district.

The period of significance for 49th Street Elementary School under Criterion A/1/1 spans from 1935 to 1936, during which architect Harry C. Deckbar designed the PWA Moderne-style school plant.

The campus was redesigned in the 1930s, around the time that the immediate vicinity was transforming into a largely Black community. As outlined in the "Historic Resources Associated with African Americans in Los Angeles" National Register Nomination, "To be eligible under Criterion A, schools must have been constructed during the period of significance (prior to 1958) and need to represent some aspect of African American history in Los Angeles. They may reflect a particular milestone in the community's struggle for equal access to education or equal access to employment opportunities in the field of education" (Grimes 2008).

Although 49th Street Elementary School was constructed during the period of significance research did not indicate that the school was significant for its association with African American development patterns and was not the site of significant events associated with this community. Instead, as outlined in history of Central Avenue context in Section 4, the Black community was increasingly centered around Central Avenue corridor as a result of rezoning to the north and surrounding restrictive housing. The school's increasingly African American student body was thus the result of de factor segregation and did not reflect a significance milestone in the community's struggle for equal access. Therefore, 49th Street Elementary School does not appear eligible for listing based on association with the African American community.

Criterion B/2/2
No information was found to suggest that the 49th Street Elementary School was associated with any historic personages, nor that any other individuals of historic significance were associated with the property. Therefore, the 49th Street Elementary School is not eligible for listing under Criterion B/2/2.

Criterion C/3/3
49th Street Elementary School is also significant under National Register Criterion C, California Register Criterion 3 and City of Los Angeles HCM Criterion 3 within the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* and the *PWA Moderne* contexts of the LAUSD Historic Context Statement. The West Building, Main Building, South Building, Auditorium Building, and sheltered corridors (#1, #2, and #3) of the 49th Street Elementary School embody the distinctive characteristics of a type, period, and method of construction, notably that of PWA Moderne-style buildings. Buildings at the campus dating to 1935-1936 were designed or remodeled by architect Harry C. Deckbar, who incorporated the clean lines of the PWA Moderne style with the popular Neoclassical style to create a unique stylistic vocabulary on the campus. Buildings reflect the planning and design concepts of the period, including "one-story massing; general expanses of windows; unified site plan with central courtyard; and sheltered corridors throughout campus."

As identified in the *PWA Moderne* context, the buildings feature "symmetrical, formal design composition and massing; smooth wall surfaces; and piers, often fluted or reeded." The buildings at 29th Street Elementary School also incorporate "elements of a number of styles, including Classical Revival," as the context identifies as typical of PWA Moderne styles. Furthermore, as identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context, buildings designed during this period all reflect the period's emphasis on a varied collection of buildings differentiated by function and use, such as a separate auditorium. Features constructed in the mid-1930s include the Main Building, South Building, Auditorium Building, and three associated sheltered corridors (#1, #2, and #3). The West Building was also remodeled to follow the design vocabulary of the campus.

***B10. Significance (Continued…):**

Buildings constructed during the 1960s were constructed incrementally with later additions completed to accommodate an increase in population. The Cafeteria/Lunch Pavilion, Administration, Library, and Classroom Building/Classroom Building, and sheltered corridor #4 do not meet the eligibility standards nor character-defining features identified in the *Mid-Century Modernism/Regional Modernism* context. These buildings are not exemplary Modern style buildings. They do not reflect "aesthetic qualities derived from use of simply treated materials and excellent craftsmanship; direct expression of structural systems; or the extensive use of sheltered exterior corridors."

Although the Classroom Building addition and Cafeteria/Lunch Pavilion were designed by notable African American architect Harold Louis Williams, the buildings are utilitarian in design and are not significant examples of Williams' work. As clarified by the National Park Service, "a property is not eligible as the work of a master, however, simply because it was designed by a prominent architect." Instead, the work must "express a particular phase in the development of the master's career, an aspect of his or her work, or a particular idea or theme in his or her craft." As such, the buildings at 49th Street Elementary School are not notable examples of Williams' craft within his greater oeuvre, compared with other more notable buildings such as the Compton City Hall (1976) and Compton Civic Center (1977). Moreover, buildings completed during the 1960s on the campus are not clearly expressive of the ideals for "informality, indoor-outdoor connections, and zoned planning" that was significant in the post-war era, as identified in the *Educating the Baby Boom: The Postwar, Modern, Functionalist School Plant, 1945-1980* context. As such, later development at the school does not contribute to the potential historic district.

The period of significance for 49th Street Elementary School under Criterion C/3/3 is 1935-1936, when the campus was redesigned in the PWA Moderne style. Contributors to the historic district are the West Building, Main Building, South Building, Auditorium Building, and Sheltered Corridors #1, #2, and #3.

Evaluation of Eligibility

Evaluation of the Potential Historic District for the National Register

The potential historic district appears to be significant under National Register Criteria A and C at the local level for its association with post-Long Beach Earthquake school development and meets the eligibility standards and character-defining features identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context. The PWA Moderne buildings also meet the eligibility standards and character-defining features identified in the *PWA Moderne* context. The school campus is important as a group of resources that dates from the school's post-earthquake redevelopment and reflects the construction and design ethos of the mid-1930s. For these reasons, the campus appears to meet the criteria for listing as a potential historic district on the National Register of Historic Places.

Evaluation of the Potential Historic District for the California Register

The potential historic district appears to be significant under California Register Criteria 1 and 3 for its for its association with post-Long Beach Earthquake school development and meets the eligibility standards and character-defining features identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context. The PWA Moderne buildings also meet the eligibility standards and character-defining features identified in the *PWA Moderne* context. The school campus is important as a group of resources that dates from the school's early development and reflects the construction and design ethos of the mid-1930s. For these reasons, the campus appears to meet the criteria for listing as a potential historic district on the California Register of Historical Resources.

Evaluation of the Potential Historic District for designation as an HCM

The potential historic district appears to be significant for local listing under Criteria 1 and 3 for its association with post-Long Beach Earthquake school development and meets the eligibility standards and character-defining features identified in the *Post-1933 Long Beach Earthquake School Plants, 1933-1945* context. The PWA Moderne buildings also meet the eligibility standards and character-defining features identified in the *PWA Moderne* context. The school campus is important as a group of resources that dates from the school's early development and reflects the construction and design ethos of the mid-1930s. For these reasons, the campus appears to meet the criteria for listing as a City of Los Angeles HCM.

Historic integrity is the ability of a property to convey its significance. It is defined as the "authenticity of a property's historic identity, evidenced by the survival of physical characteristics that existed during the property's historic period." The National Park Service defines seven aspects of integrity: location, design, setting, materials, workmanship, feeling, and association.

***B10. Significance (Continued…):**

Assessment of Integrity

49th Street Elementary School contains a cohesive concentration of four contributing buildings and three contributing site features that dates from the period of significance and has been identified as the potential historic district. Integrity of the property's individual buildings is varied, and all buildings and features have been subject to varying levels of alteration. However, despite some degree of alteration, the property retains much of the circulation pattern and spatial relationships established during the period of significance that characterize the potential historic district as a whole. A detailed assessment of the integrity of the potential historic district is discussed below.

Location: The buildings constructed during the period of significance remain in their original locations in the eastern region of the campus. Therefore, the campus retains integrity of *location*.

Design: The campus retains the buildings and sheltered corridors constructed or remodeled as part of the 1935-1936 PWA Moderne style with Neoclassical elements design of the campus. These include the West Building, Main Building, South Building, Auditorium Building, and three sheltered corridors (#1, #2, and #3). These buildings/structures retain most of their character-defining features such as symmetrical, formal design, smooth wall surfaces, fluted piers, and ornamentation associated with the Neoclassical style of architecture. Despite some alterations, a majority of the essential physical features reflecting the original design and organization of the property as a school from the 1930s remain intact within the potential historic district. Therefore, the campus retains integrity of *design*.

Setting: The potential historic district is located in the eastern region of the school property. The property continues to function as a public elementary school. The surrounding area of southeast Los Angeles has a whole has experienced some development, but remains a low-density residential neighborhood. Thus, the campus retains integrity of *setting*.

Materials: The potential historic district retains most of its original materials. Contributors typically retain some physical elements from the period of significance, including original cladding, including smooth wall surfaces of plaster concrete, wood detailing as seen on the Neoclassical style ornaments, and some original windows and doors. Therefore, the potential historic district's integrity of *materials* has been compromised.

Workmanship: The potential historic district retains the physical evidence of crafts of a particular culture or people during any given period in history or prehistory. This includes the contributors' construction methods and design choices, such as ornaments that reflect the Neoclassical style of architecture. Moreover, most exterior cladding and even detail work have been retained. Overall, the buildings continue to retain substantial physical evidence of period construction techniques, including finishes and design elements, such as smooth plaster exteriors, fluted pilasters, lintel and sill courses, that reflect the character and identity of the potential historic district. Therefore, the campus retains integrity of *workmanship*.

Feeling: The potential historic district retains most of the character-defining features of its original construction, including representative building types as well as spatial relationships and circulation patterns that are typical of campuses from this time. Because it retains all the preceding aspects, it continues to express the aesthetic or historic sense of a 1930s PWA Moderne elementary school. Thus, the campus retains integrity of *feeling*.

Association: Association is the direct link between an important historic event or person and a historic property. Because the campus retains integrity of *location*, *design*, *setting*, *workmanship,* and *feeling*, it continues to convey its direct link to the development of safer public schools following the 1933 Long Beach Earthquake utilizing new design principals. Therefore, the campus retains integrity of *association*.

49th Street Elementary School retains integrity of *location*, *design*, *setting, workmanship, feeling*, and *association* from the identified period of significance. The therefore continues to convey its significance as a post-1933 Long Beach Earthquake school plant, and as an excellent example of a WPA Moderne campus design.

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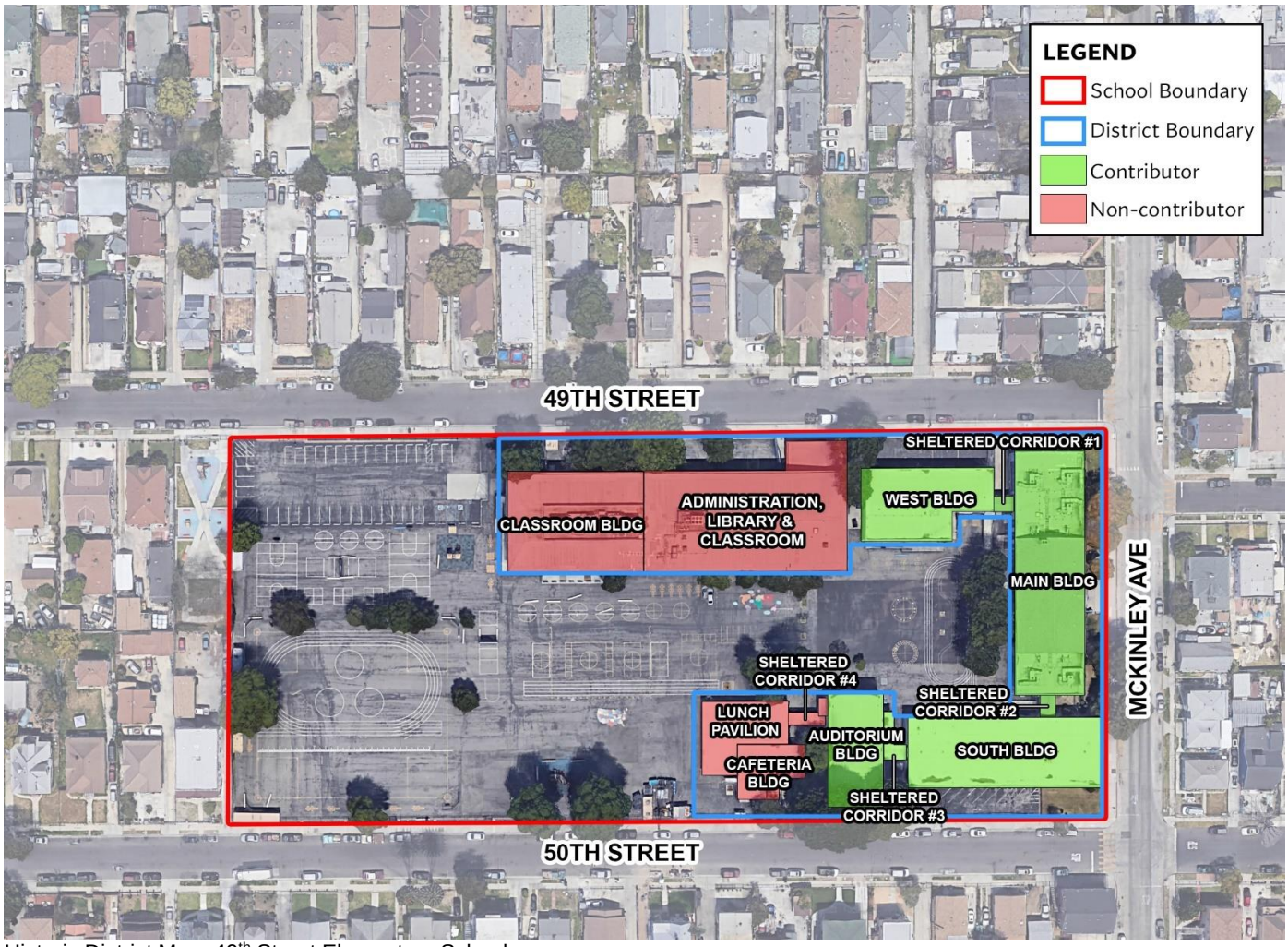
Additional Documentation



Historic District Map, 49th Street Elementary School

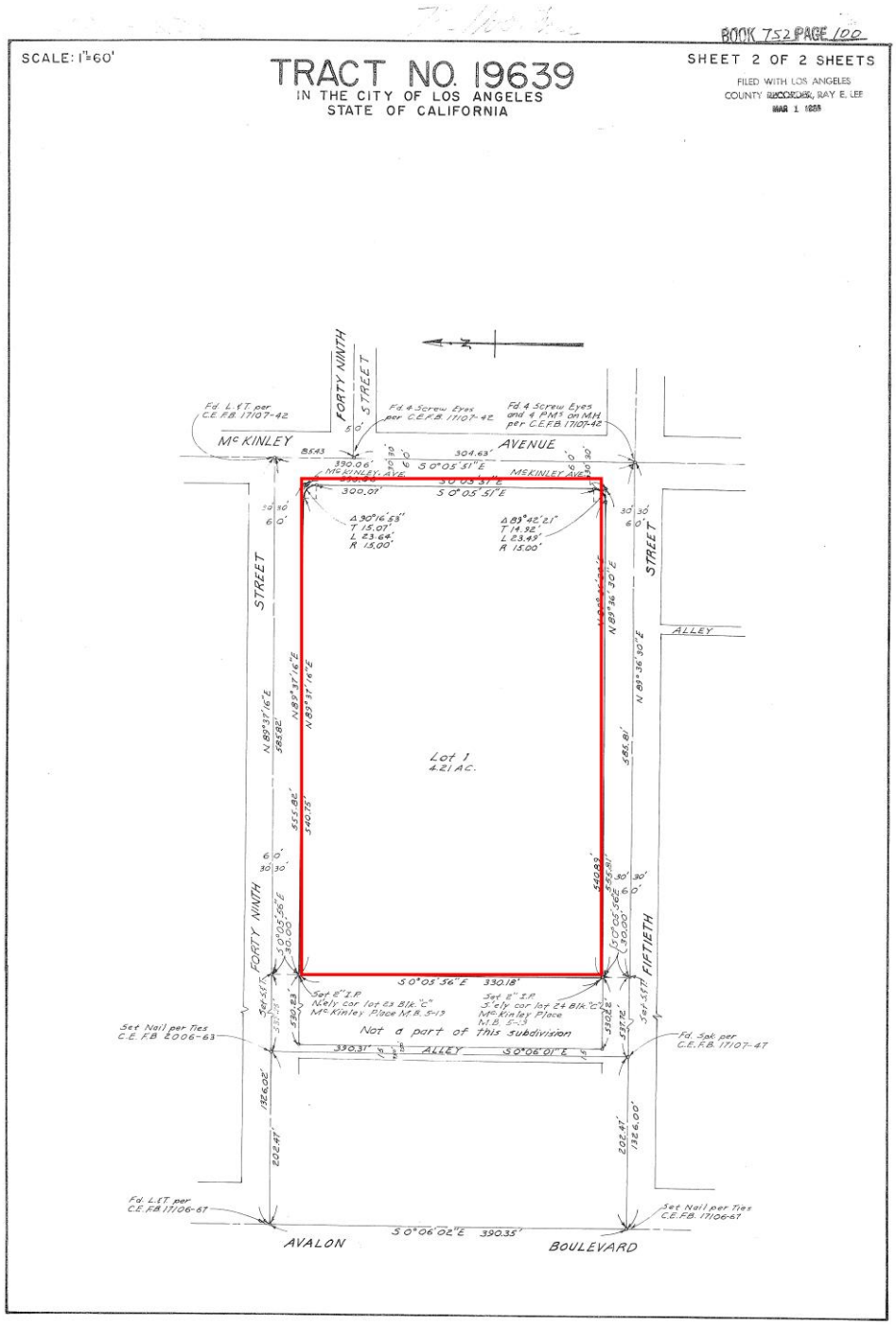
State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary #
HRI#
Trinomial 3S

 ***Resource Name or #** 49th Street Elementary School

***Recorded by:** Historic Resources Group ***Date:** June 2022 ■ Continuation ☐ Update

Additional Documentation

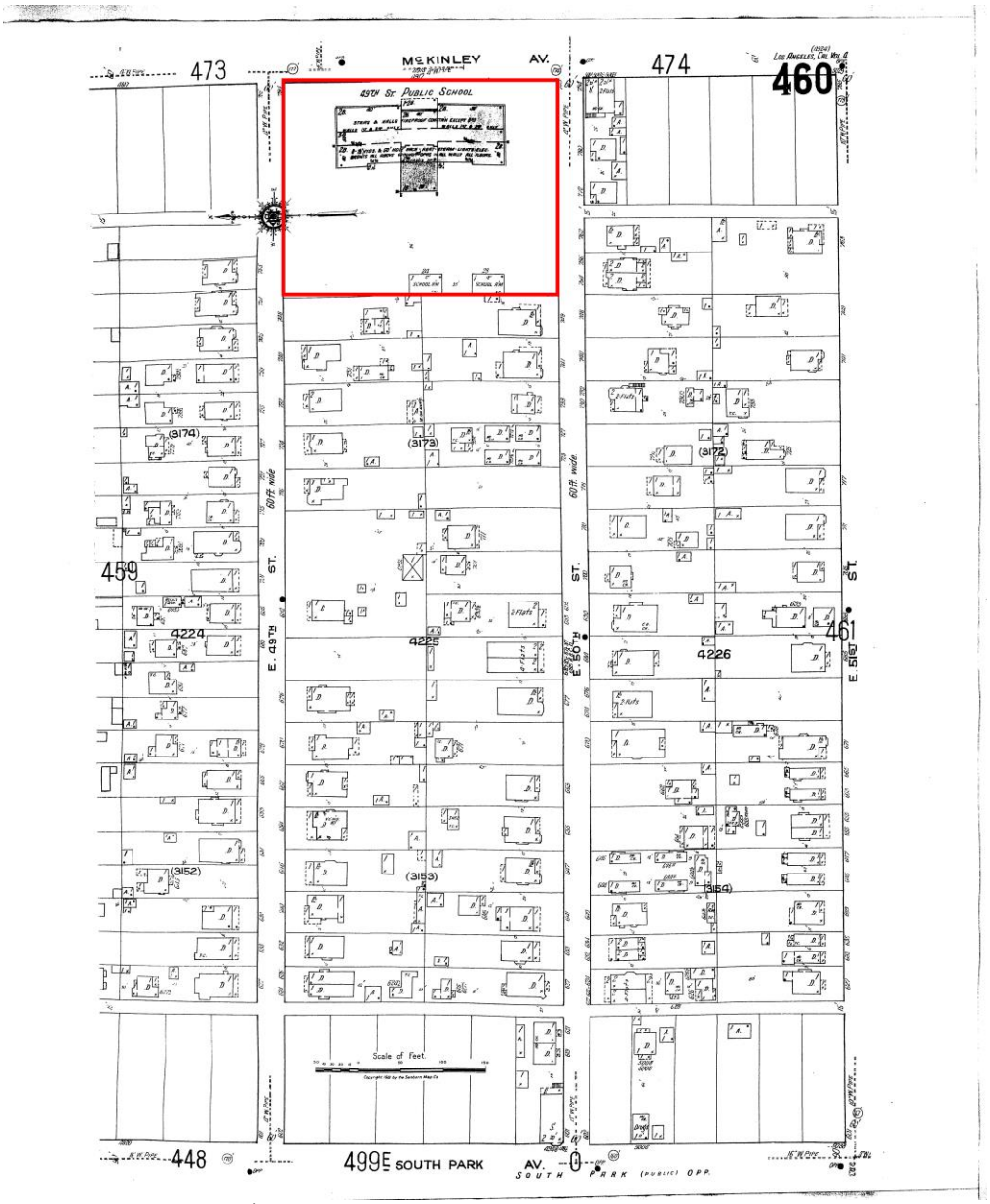


Tract No. 19639; 49th Street School outlined in red.

***Required information**

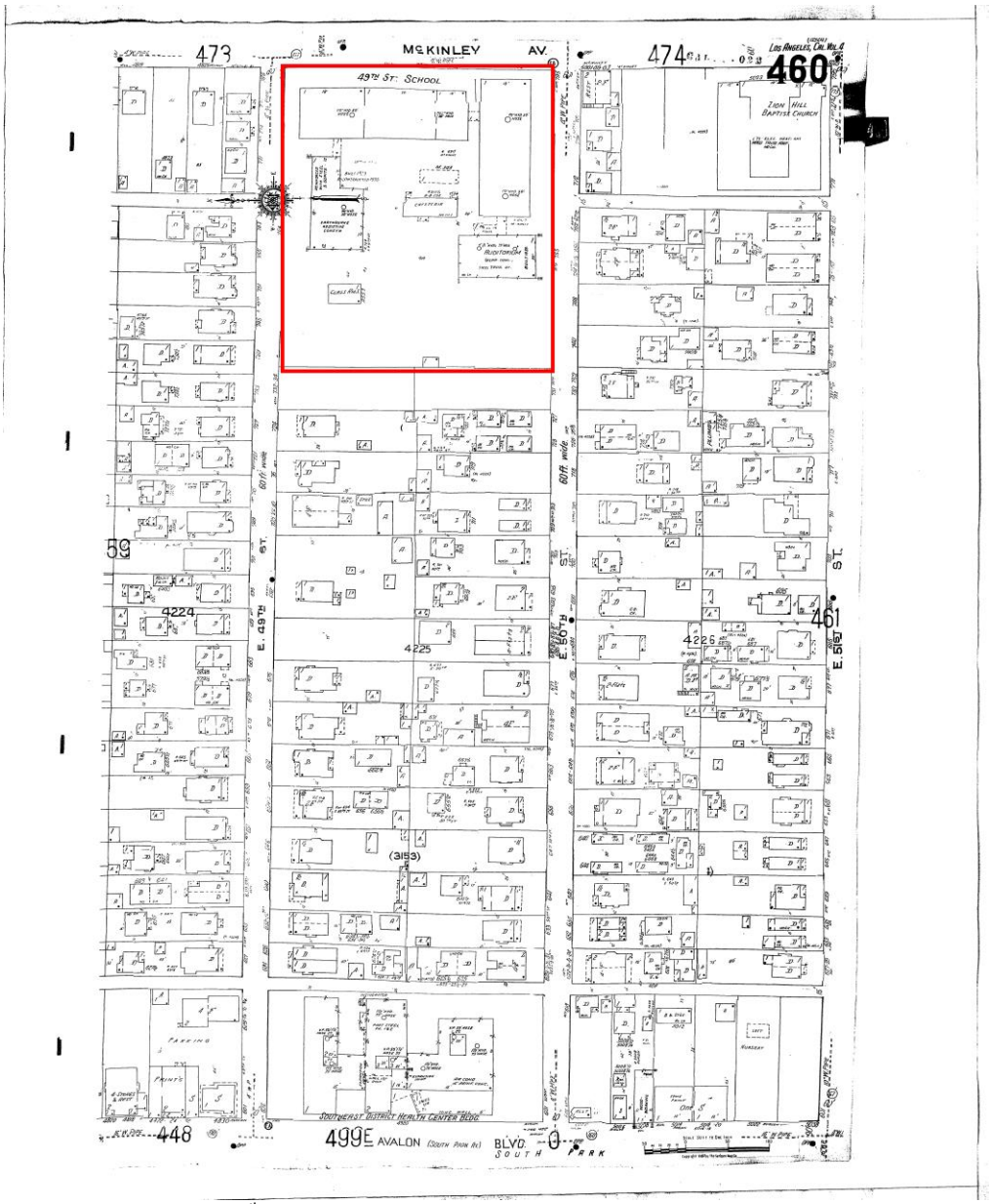
*Recorded by: Historic Resources Group *Date: June 2022 ■ Continuation ☐ Update

Additional Documentation



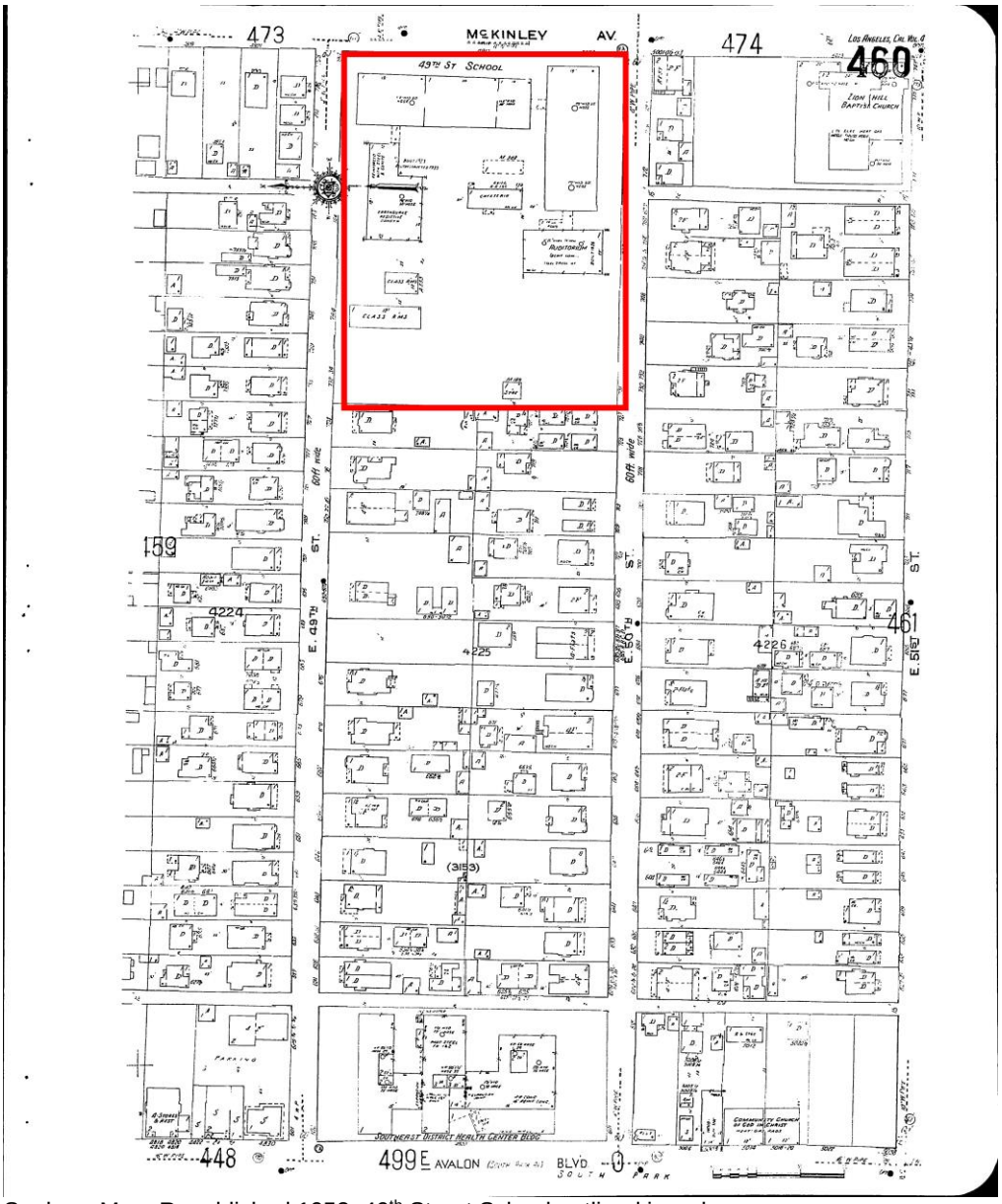
Sanborn Map, 1922; 49th Street School outlined in red.

Additional Documentation



Sanborn Map, 1950; 49th Street School outlined in red.

Additional Documentation



Sanborn Map, Republished 1953; 49th Street School outlined in red.

Additional Documentation



Original 49th Street Elementary School Main Building, c.1913 (*Los Angeles Public Library*)

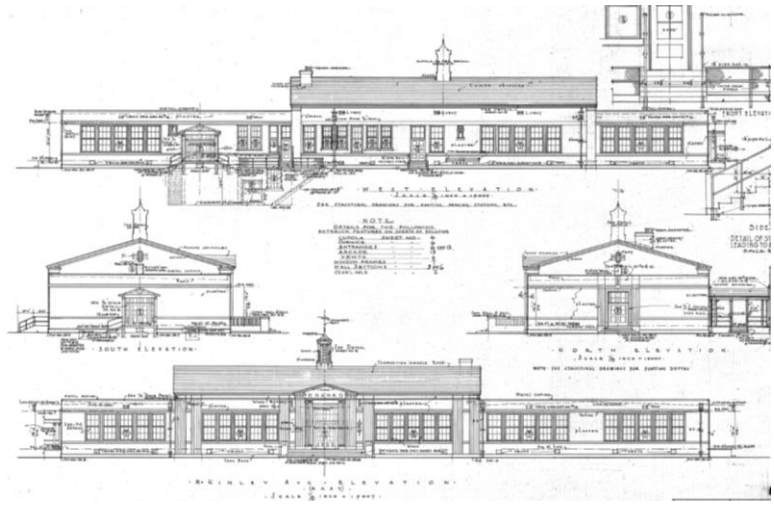


Aerial View of 49th Street Elementary School and Vicinity, 1927 (*UCSB FrameFinder)*



Students at 49th Street Elementary School Attending Classes in Temporary Tents, 1934 (*Los Angeles Public Library)*

Additional Documentation



Building Plans for the Main Building, 1935 (*LAUSD)*



(PWA Moderne-style Main Building, 1935 (*Los Angeles Public Library)*



Historical Aerial Photograph of 49th Street Elementary School, 1971 (*UCSB FrameFinder)*

Additional Documenation

Administration, Library, and Classroom Building/Classroom Building



North façade.
Source: Historic Resources Group.



North façade.
Source: Historic Resources Group.



South and East façade.
Source: Historic Resources Group.



South façade.
Source: Historic Resources Group.



West and south facades.
Source: Historic Resources Group.



West façade staircase
Source: Historic Resources Group.

Additional Documenation
West Building



North and east façades.
Source: Historic Resources Group



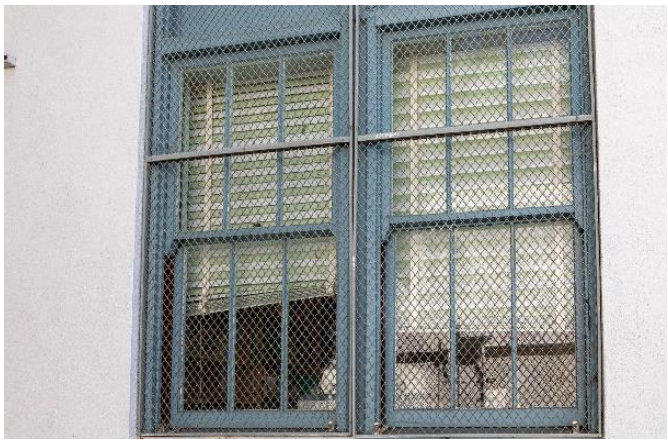
South façade.
Source: Historic Resources Group.



South façade and sheltered corridor
Source: Historic Resources Group.



South and west facades.
Source: Historic Resources Group.

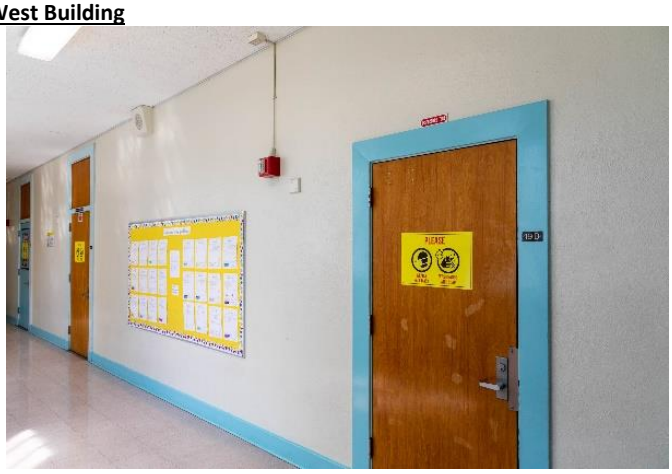


Detail, double-hung wood windows
Source: Historic Resources Group.



Detail of Window surrounds
Source: Historic Resources Group.

Additional Documenation
West Building



Main hallway
Source: Historic Resources Group



Curved ceiling
Source: Historic Resources Group.



Transom panels.
Source: Historic Resources Group.



Kitchen
Source: Historic Resources Group.

Additional Documenation
Main Building



East façade.
Source: Historic Resources Group



Detail of east façade.
Source: Historic Resources Group.



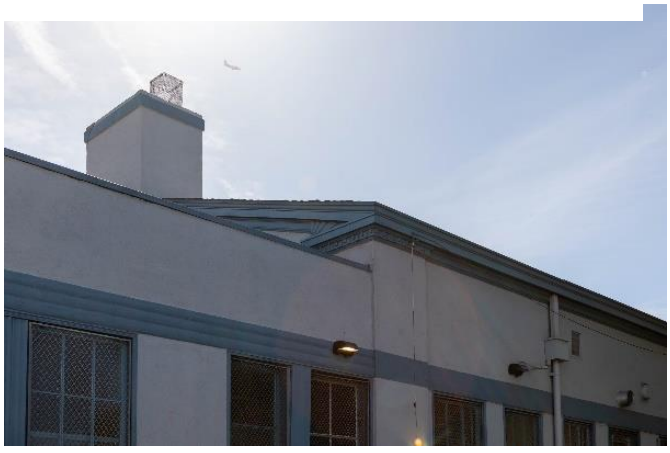
North and east facades.
Source: Historic Resources Group.



North façade.
Source: Historic Resources Group.

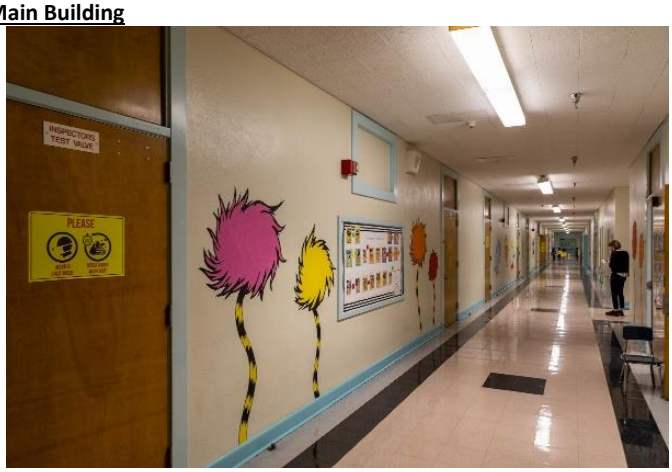


South and west facades.
Source: Historic Resources Group.



Detail of roof and chimney, west façade.
Source: Historic Resources Group.

Additional Documenation
Main Building



Transom panels and doors surrounds in hallway.
Source: Historic Resources Group



Trophy case in hallway.
Source: Historic Resources Group.

Additional Documenation
South Building



South and east façades.
Source: Historic Resources Group



South façade.
Source: Historic Resources Group.



North facade.
Source: Historic Resources Group.



Primary entrance on east façade.
Source: Historic Resources Group.

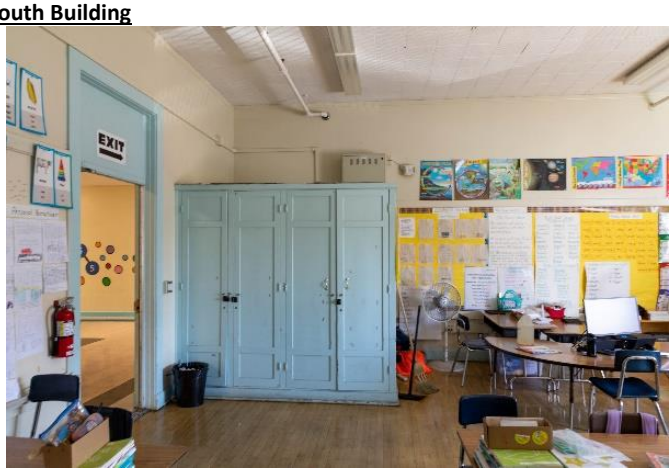


Transom panels and door surrounds in hallway.
Source: Historic Resources Group.

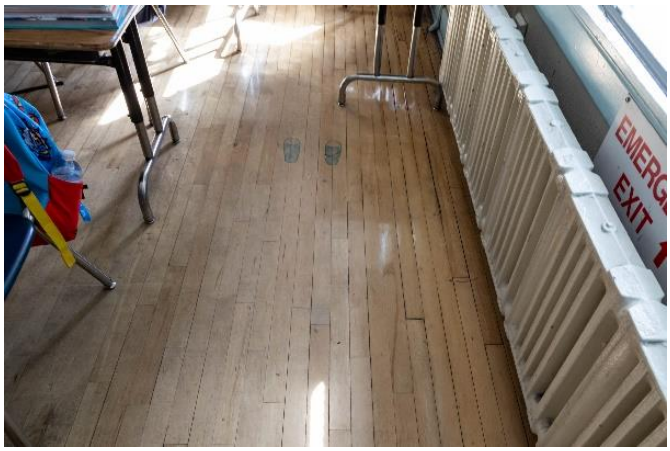


Baseboard in hallway.
Source: Historic Resources Group.

Additional Documenation
South Building



Wood cabinets.
Source: Historic Resources Group



Radiators and wood floors in classrooms.
Source: Historic Resources Group.

Additional Documenation
Auditorium Building



South façade.
Source: Historic Resources Group



East and north façades.
Source: Historic Resources Group.



North and west facades.
Source: Historic Resources Group.



Primary entrance on south façade.
Source: Historic Resources Group.



Auditorium seating.
Source: Historic Resources Group.



Central stagge with wood floor and detailing.
Source: Historic Resources Group.

Additional Documenation
Auditorium Building



Fluted plaster around stage.
Source: Historic Resources Group



Rounded band along walls.
Source: Historic Resources Group.



Detail of walls.
Source: Historic Resources Group.



Industrial fire door.
Source: Historic Resources Group.

Additional Documenation
Cafeteria/Lunch Pavillion



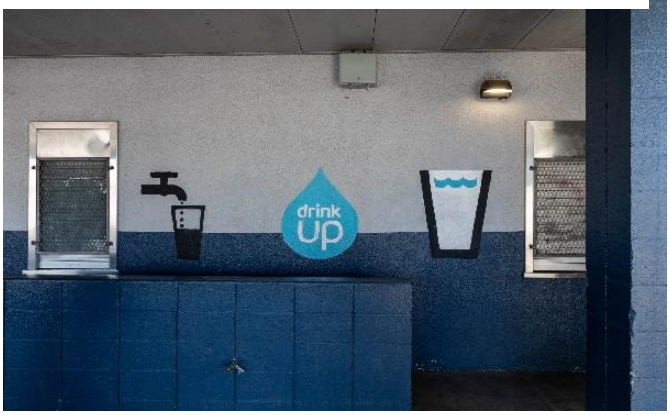
North façade.
Source: Historic Resources Group



South and east façades.
Source: Historic Resources Group.



North facade.
Source: Historic Resources Group.



Lunch counter and water fountains
Source: Historic Resources Group.

Additional Documenation
Sheltered Corridors (4)



1930s Sheltered Corridor (#1)
Source: Historic Resources Group



1930s Sheltered Corridor (#2)
Source: Historic Resources Group.



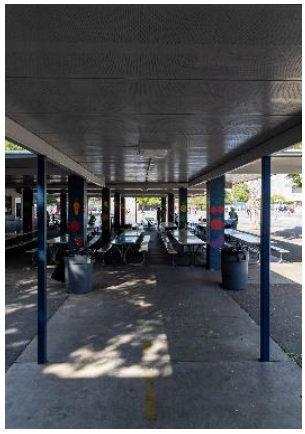
Detail, Sheltered Corridor (#2)
Source: Historic Resources Group.



Detail, Sheltered Corridor (#2)
Source: Historic Resources Group.



1930s Shelterd Corridor (#3)
Source: Historic Resources Group.



1960s Sheltered Corridor (#4)
Source: Historic Resources Group.

HISTORIC RESOURCES GROUP

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PAUL D. TRAVIS, AICP

Managing Principal

Experience Profile
Years of Experience: 17

Paul Travis has been with Historic Resources Group since 2006 and specializes in master planning, CEQA, NEPA and Section 106 environmental review, and historic resources assessment.

At Historic Resources Group, Paul manages planning-related projects with a focus on large, multi-property sites including college campuses, historic downtowns, neighborhoods and districts, industrial sites, motion picture studios, and military bases. Paul has drafted preservation plans for the University of Southern California, NBC Universal Studios, Hollywood, and Los Angeles International Airport. He has participated in the development of community plans or specific plans for Paso Robles, Fresno, and Whittier; and has been involved in the master planning process for Loyola Marymount University, Occidental College, Mount St. Mary's College, Fox Studios, the Alameda Naval Station, and the Downey NASA site. Recent survey experience includes historic resource surveys for the cities of Los Angeles, Ventura, Glendale, Paso Robles, San Diego, and Fresno.

Paul Travis meets the *Secretary of the Interior's Professional Qualification Standards* in Historic Preservation in Historic Preservation Planning and History.

Education

Master of Arts, Urban Planning, University of California, Los Angeles
Bachelor of Fine Arts, Printmaking, San Jose State University

Professional Affiliations

American Institute of Certified Planners
American Planning Association, Urban Design & Preservation Division
American Planning Association, Los Angeles Chapter
California Preservation Foundation
National Trust for Historic Preservation

Selected Projects

Fresno Fulton Corridor Specific Plan, Fresno
Fox Studios Master Plan, Century City
Gamble House Cultural Landscape Report, Pasadena
LAX Historic Assessments, Environmental Review, Preservation Plan
NBC Universal Evolution Plan, Universal City
Sunset Bronson Studios, Hollywood
SurveyLA, Los Angeles
Thacher School, Ojai

Appendix E. Preliminary Geotechnical Investigation – Proposed Major Modernization Project – 49th Street Elementary School

Appendices

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GEOTECHNICAL PROFESSIONALS INC.

PRELIMINARY GEOTECHNICAL INVESTIGATION
PROPOSED MAJOR MODERNIZATION PROJECT
49TH STREET ELEMENTARY SCHOOL
750 E. 49TH STREET
LOS ANGELES, CALIFORNIA

Prepared for:
Los Angeles Unified School District
Design and A/E Technical Support
333 S. Beaudry Avenue, 22nd Floor, Room 217
Los Angeles, California 90017

Prepared by:
Geotechnical Professionals Inc.
5736 Corporate Avenue
Cypress, California 90630
(714) 220-2211

GPI Project No. 3077.015I

December 23, 2021 (Revised January 28, 2022)

GEOTECHNICAL PROFESSIONALS INC.

December 23, 2021
(Revised January 28, 2022)

Los Angeles Unified School District
Design & A/E Technical Support
333 S. Beaudry Avenue, 22nd Floor, Room 217
Los Angeles, California 90017

Attention: Peyman Soroosh Moghadam, S.E.
Supervision Structural Engineer

Subject: Preliminary Geotechnical Investigation
Proposed Major Modernization Project
49th Street Elementary School
750 E. 49th Street
Los Angeles, California
GPI Project No. 3077.015I

Dear Peyman:

Transmitted herewith is an electronic copy of our geotechnical investigation report for the proposed project at the subject site. We understand that LAUSD will distribute this report to the appropriate Design Team members and regulatory agencies.

We appreciate the opportunity of providing our services to the District and look forward to seeing the project through its successful completion. Please do not hesitate to call us if you have any questions on the contents of our report or need further geotechnical assistance.

Very truly yours,
Geotechnical Professionals Inc.

Dylan J. Boyle, G.E.
Senior Engineer

Paul R. Schade, G.E.
Principal

Distribution: Cristina Cho, Los Angeles Unified School District (email)

5736 Corporate Avenue • Cypress, CA 90630 • (714) 220-2211 , FAX (714) 220-2122

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3	Existing Site Plan
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1.0 INTRODUCTION

1.1 GENERAL

This report presents the results of a preliminary geotechnical investigation performed by Geotechnical Professionals Inc. (GPI) for the proposed comprehensive modernization at 49th Street Elementary School in Los Angeles, California. The site location is shown on the Site Location Map, Figure 1.

As requested, our scope of work was performed in compliance with the California Geologic Survey (CGS) Note 48 for geologic seismic hazard requirements. In addition, a detailed geologic-seismic evaluation was performed for the project, including site-specific response spectra, as required by the 2019 California Building Code (CBC) and in accordance with ASCE 41-17 and ASCE 7-16.

As requested, our scope included a limited number of field explorations because the project is at an early stage at this time. Additional explorations will be required to satisfy the regulatory agency requirements when further project details become available.

1.2 PROJECT DESCRIPTION

Our understanding of the proposed comprehensive campus modernization is based upon our discussions with LAUSD. Because the project is at an early stage at this time, specific details on the extent of the campus modifications and locations of the new improvements are limited. Based on our conversations with LAUSD, we understand the campus modernization will likely include new campus buildings as well as the seismic retrofit of two existing buildings: the Auditorium and West Buildings. It has not yet been determined whether the new buildings will be founded at-grade or may include subterranean levels. Additional improvements at the site will likely include new site walls and retaining walls, minor structures (e.g., equipment pads, trash enclosures, light standards), stormwater systems, pedestrian hardscape, and vehicular pavements.

The existing campus layout is shown on the Aerial Site Plan, Figure 2, and the Existing Site Plan, Figure 3.

Detailed information regarding structural loads or site topography was not available at the time this report was prepared. We have assumed that the structural loads for the new buildings will be less than 300 kips for columns, and 4 to 6 kips per lineal foot for walls. Modernization of the existing buildings may include additional loads being imposed to the existing foundations or new columns or foundations being added. Proposed grades are not anticipated to change significantly from the existing grades, with the exception of subterranean levels for new buildings, if planned.

Our recommendations are based upon the above-assumed structural and finish grade information. We should be notified if the actual loads and/or grades differ or change during the project design to allow our office to either confirm or modify our recommendations. In addition, a final comprehensive investigation, utilizing data

obtained during this preliminary investigation as well as additional field data, will be required to ultimately satisfy the requirements of CGS and CGS Note 48. As part of our future final comprehensive investigation, GPI should also be provided with copies of the project grading and structural plans for review and comment.

1.3 PURPOSE OF INVESTIGATION

The primary purpose of this investigation and report is to provide a preliminary evaluation of the existing geotechnical and geologic conditions at the site as they relate to the design and construction of the proposed development.

2.0 SCOPE OF WORK

Our scope of work included a field investigation, laboratory testing, geologic and seismic evaluation, foundation analyses, and preparation of this report.

Our field investigations consisted of three Cone Penetration Tests (CPT's) and six exploratory borings. The CPT's were performed to depths of 60 to 64 (terminated in dense deposits prior to planned depth) feet below existing grades. The borings were performed to depths of 20 to 81½ feet below the existing grade. Descriptions of field procedures and logs of the CPT's and borings are presented in Appendices A and B, respectively.

In our CPT C-2, we obtained shear-wave velocity measurements at approximate 5-foot depth intervals throughout the 64-foot explored depth. The shear-wave velocity measurements are presented in Appendix A.

Our laboratory testing program included evaluations of in-place moisture content, Atterberg Limits, fines content, direct shear, consolidation, expansion index, maximum dry density and optimum moisture content, R-value, and corrosivity. Laboratory test procedures and results are presented in Appendix C.

Soil corrosivity and R-value testing were performed by HDR and GeoLogic Inc., respectively, under subcontract to GPI. The R-value results are presented in Appendix C. The corrosion test results are presented at the end of Appendix C.

An evaluation of geologic and seismic hazards is presented in Appendix D.

Engineering evaluations were performed to provide earthwork criteria and foundation design parameters. The results of our evaluations are presented in the remainder of the report.

3.0 SITE CONDITIONS

3.1 SURFACE CONDITIONS

The school site is bounded by East 49th Street to the north, McKinley Avenue to the east, East 50th Street to the south, and existing residential developments to the west. The site is approximately 5¾ acres in plan area, with various school buildings predominantly concentrated in the eastern half of the campus, staff parking on the northwest side of the campus, and blacktop playground on the western half of the campus. The topography across the site is relatively flat, with ground surface elevations ranging from approximately 174 feet to 179 feet across the site. The pavement sections at our borings located in blacktop pavement areas consisted of 2½ to 4 inches of asphalt concrete over 3 to 4 inches of aggregate base. At our Boring B-5, located within the existing staff parking lot, we encountered 4½ inches of asphalt concrete over 6 inches of aggregate base.

We reviewed historical aerial photographs of the site dating back to 1948. In 1952, the school site appears to have been confined to the eastern half of the existing campus limits, with the western half appearing to be occupied by single-family residences. The majority of the existing school buildings are visible, with the exception of the larger two-story building along E 49th Street which is not yet present. In 1963, three smaller structures (possibly storage containers or mobile buildings) are visible on the western half of the then campus limits. By 1972, the campus size had increased to its approximate current configuration and the two-story classroom building along E 49th Street is visible. Since 1972, the site appears to have remained relatively unchanged.

3.2 SUBSURFACE SOIL CONDITIONS

Our field investigation disclosed a subsurface profile consisting of undocumented fill soils over natural soils. Detailed descriptions of the conditions encountered are shown on the Log of the CPT's and Borings in Appendices A and B, respectively.

Undocumented fill soils to depths of 5 to 7 feet were encountered in the borings. The fill soils at the boring locations consisted predominantly of slightly moist to moist silty sands and sandy silts. The fill soils are likely undocumented and relatively old, given the age of the school. Based on laboratory testing, the upper fill soils exhibited a very low potential for expansion (EI of 0).

The underlying natural materials consisted predominantly of medium dense silty sands and stiff sandy silts between approximate depths of 7 and 15 feet. Between approximate depths of 15 feet and 35 feet, the natural soils consisted predominantly of very stiff to hard sandy silts with lesser amounts of medium dense silty sands. Below depths of 35 feet, the natural soils transitioned to predominantly dense to very dense silty sands and sands. The upper natural soils are generally slightly moist to moist, with higher moisture contents encountered within the fine-grained silty soils. The moisture contents of the near-surface soils are generally below-optimum and range from approximately 1 to 20 percent, with an average moisture content of about 6 percent.

Based on laboratory testing, the near-surface soils exhibited optimum moisture contents of approximately 11 percent. In the upper 10 feet, the natural soils exhibited moderate strength and compressibility characteristics. Below depths of 10 feet, the natural soils exhibited moderate to high strength and low compressibility characteristics.

The site is not located in a Methane Buffer Zone, as designated by the City of Los Angeles.

3.3 GROUNDWATER AND CAVING

Groundwater was not encountered in our explorations performed to depths of up to 81½ feet below existing grade. Historical data provided by the California Geologic Survey (CGS) indicates historical high groundwater depth of approximately 45 to 50 feet below predominant site grades in the vicinity of the site.

Caving was not encountered in our relatively small diameter borings.

3.4 GEOLOGIC - SEISMIC HAZARDS

A detailed evaluation of the geologic conditions at the site, including seismic hazards, is presented in Appendix D. Ground motion and seismic settlement is addressed in a following section of this report.

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 OVERVIEW

Based on the results of our investigation, it is our opinion that from a geotechnical viewpoint it is feasible to develop the site as proposed. The proposed structures and modifications can be supported on shallow foundations provided the geotechnical constraints discussed below are mitigated. The most significant geotechnical issues that will affect the design and construction of the proposed structures are as follows:

- The site is not located in a seismic hazard zone for soil liquefaction. Based on our analyses, we computed a potential total dry seismic settlement (above the groundwater table) of 1 to 1¾ inches, with differential seismic settlement estimated to be between ½- and 1-inch across a span of 40 feet. The majority of the dry seismic settlement was found to occur in the upper 4 to 10 feet. Following our recommended earthwork, the resulting estimated total dry seismic settlements beneath new buildings would be between ¼ and ½ inch (with differential settlements estimated to be less than ¼ inch across a 40-foot span). The seismic settlements should be added to the calculated static settlements when determined total static plus seismic settlements for the proposed improvements.

- The existing undocumented fill soils encountered to depths of up to 7 feet in our explorations are not considered to be suitable for direct support of shallow foundations and floor slabs in their current state. To provide uniform support for the proposed improvements, we recommend that these materials be removed and replaced as properly compacted fill.

- The upper natural soils are medium dense and stiff. To provide uniform support for the proposed shallow foundations and floor slabs, we recommend that the upper portion of the natural materials be removed and replaced as properly compacted fill.

- Support of the planned structures on isolated/continuous shallow footings or a mat foundation are feasible. The foundation system selected will depend on the tolerable total and differential settlements. Based on the structural loads assumed, the estimated combined static and seismic settlements for at-grade structures is approximately 1½ inches of total settlement and ¾-inch differential settlement (across a 40-foot span) for shallow spread footings. Additional static settlement analyses should be performed when more detailed structural loads are available for the project.

- Conventional cast-in-place concrete piles may be used to support light standards and similar pole structures.

- Moisture contents of the near surface soils (within 10 feet of the existing grades) are variable, ranging between roughly 1 and 20 percent. The average moisture content of the samples obtained within the upper 10 feet is approximately 7 percent, which is below the optimum moisture content for the near surface soils. Therefore, mixing and moisture conditioning of the excavated soils will be required prior to being replaced as properly compacted fill. In addition, localized over-optimum subgrade soils exposed during grading may require stabilization or removal (where the wet soil layer is thin) in order to support compaction equipment. Stabilization may be accomplished using crushed aggregate base and geogrid or in-place cement treatment.

- Corrosivity testing performed by HDR on samples provided from our borings indicates negligible levels of soluble sulfate content (Category S0) with respect to concrete and low chloride content levels (Category C1). The soils are also considered to be moderately corrosive to buried ferrous metals. A detailed report by HDR, with corrosion protection recommendations, is presented in Appendix E.

Our recommendations related to the geotechnical aspects of the development of the site are presented in the subsequent sections of this report.

4.2 SEISMIC DESIGN

4.2.1 General

Details of our geologic and seismic evaluation for the site are presented in Appendix D.

We understand the seismic design of the new buildings and the voluntary seismic retrofit of the existing buildings planned as part of the major modernization will be in accordance with the California Building Code (CBC), 2019 edition, ASCE 7-16, and ASCE 41-17.

For the above referenced codes, a Site Class D should be used. The seismic code values can be obtained directly from the tables in the building code using the above values and appropriate web site (https://seismicmaps.org). As mapped, the ASCE 7-16/ASCE41-17 seismic code values are as follows:

S_S = 1.833g	$S_{MS} = F_a * S_S$ = 1.833g	$S_{DS} = 2/3 * S_{MS}$ = 1.222g
S_1 = 0.650g	$S_{M1} = F_V * S_1$ = 1.105g	$S_{D1} = 2/3 * S_{M1}$ = 0.737g

We also present the code-mapped values on Table 1, Site-Specific Seismic Response Worksheet – New Buildings, and Table 2, Site-Specific Seismic Response Worksheet – Existing Buildings. The Project Structural Engineer should determine the seismic design method.

At the request of the Project Team and LAUSD, site-specific seismic values were determined in accordance with ASCE 41-17, which provides methodologies for

developing seismic response spectra for the evaluation and retrofit of existing buildings as well as construction of new buildings. In accordance with ASCE 41-17, we developed site-specific seismic response spectra for the following predetermined hazard levels:

- BSE-2N: Basic Safety Earthquake-2 for New Buildings. Equivalent to the Risk-Targeted Maximum Considered Earthquake (MCE_R) per Chapter 21 (§ 21.2) of ASCE 7-16 (1-percent probability of collapse within 50 years).

- BSE-1N: Basic Safety Earthquake-1 for New Buildings. Equivalent to the Risk-Targeted Design Response Spectrum per Chapter 21 (§ 21.3) ASCE 7-16 (two-thirds of BSE-2N).

- BSE-2E: Basic Safety Earthquake-2 for Existing Buildings. Taken as the seismic hazard with a 5-percent probability of exceedance in 50 years, but not greater than BSE-2N.

- BSE-1E: Basic Safety Earthquake-1 for Existing Buildings. Taken as the seismic hazard with a 20-percent probability of exceedance in 50 years, but not greater than BSE-1N.

In accordance with the requirements of the 2019 CBC, ASCE 7-16, ASCE 41-17, and CGS Note 48, the design spectral accelerations for the site should be determined based on a site-specific ground motion study. The details of our site-specific ground motion study are provided below, and the associated seismic parameters are presented on Table 1, ASCE 41-17 Site-Specific Seismic Response Spectra Worksheet – New Buildings, and Table 2, ASCE 41-17 Site-Specific Seismic Response Spectra Worksheet – Existing Buildings. The Project Structural Engineer should determine the seismic design method.

4.2.2 Site-Specific Ground Motion Analyses

The methodologies used to obtain site-specific ground motion analyses for new buildings and existing buildings are detailed in the following sections.

BSE-2N and BSE-1N Seismic Hazard Values (New Buildings)

Site-specific response spectra for the BSE-2N and BSE-1N hazard levels were generated in accordance with the 2019 California Building Code (CBC) (Section 1613A), Section 2.4 of ASCE 41-17, and Section 21.2 of ASCE 7-16. Creation of a site-specific response spectrum requires analyzing site-specific deterministic and probabilistic seismic response spectra in order to create the Risk-Targeted Maximum Considered Earthquake (MCE_R) and Design Response Spectra.

We calculated the deterministic and probabilistic site-response spectra using web-based tools that estimate uniform hazard spectra using faults as earthquake sources. The web tools include geographic and seismic information of known active faults in California based on the 2014 USGS fault model. For both our deterministic and

probabilistic analyses, we used four 2014 NGA West 2 attenuation relationships to determine the geometric-mean horizontal component of ground motion: Abrahamson-Silva-Kamai (2014), Boore-Stewart-Seyhan-Atkinson (2014), Campbell-Bozorgnia (2014), and Chiou-Youngs (2014).

For our evaluations, we used a shear wave velocity, V_{S30}, of 289 meters per second (m/s), or about 949 feet per second (fps), for the selected attenuation relationships. This value corresponds to a CBC Site Class D (stiff soil) and was determined from direct shear-wave velocity measurements obtained during our recent investigation (see Appendix A).

Probabilistic Spectra (2 percent probability of exceedance in 50 years)

The probabilistic (MCE_R) ground motion spectra (per the Method 1 requirements of Section 21.2.1.1, ASCE 7-16) were calculated using the USGS Unified Hazard Tool website. Using inputs of the site coordinates, Site Class, and time horizon (return period), the web tool outputs the Uniform Hazard Response Spectrum (UHRS) for predetermined Site Classes and shear wave velocities. For our analysis, we utilized the *Conterminous U.S. 2008 (update, v3.2.x)* edition of the web tool. We calculated response spectra for 259 m/s (Site Class D) and 360 m/s (C/D Boundary) and then linearly interpolated between those spectra based on our measured site-specific shear wave velocity of 289 m/s.

The MCE_R corresponds to an earthquake ground motion having a 2 percent probability of exceedance within a 50-year period, or an average return period of 2,475 years. The final probabilistic response spectrum was based on the geometric mean horizontal component, scaled by factors to convert the geometric-mean response to the maximum-rotated response, of the spectral response values at 5% damping for the four above noted attenuation relationships. The maximum rotated component (MRC) response factors used were based on the period dependent factors developed by Huang, Whittaker, and Luco (2008) and presented in Section 21.2 of ASCE 7-16. The weighted average, maximum-rotated site-specific probabilistic response based on the site-specific shear wave velocity is shown on Figure 4-1 (see attached).

Deterministic Spectra

Site-specific deterministic MCE response spectra were generated per the requirements of Section 21.2.2 of ASCE 7-16. The response spectrum was generated for nearby active faults, which were determined based on a combination of proximity and the table of deaggregation contributors developed with the USGS Unified Hazard Tool. We analyzed the deterministic spectrum using the Puente Hills Fault (Los Angeles segment), the Elysian Park (Upper) Fault, and the Newport-Inglewood Fault (two segments). Based on the above resources, the controlling deterministic response spectrum was found to be the Puente Hills Fault (Los Angeles segment).

Spectral acceleration ordinates were calculated utilizing the Pacific Earthquake Engineering Research Center (PEER) ground motion database and the PEER NGA-West2 Spectrum model. We utilized the four previously noted attenuation relationships

(equally weighted) and determined the required input fault parameters from USGS web resources (see References). Per the requirements of ASCE 7-16, we utilized an epsilon value of 1.0 for our analysis, which corresponds to the 84th percentile of the geometric-mean component (S_a + one standard deviation) of the spectral acceleration at 5% damping. As with the probabilistic spectrum, the geometric-mean values were scaled by period-dependent factors per Huang et al (2008) to obtain the maximum-rotated response. The site-specific 84th percentile deterministic response spectrum is also shown on Figure 4-1.

BSE-2N (MCE_R) and BSE-1N (Design) Response Spectra

The above-described analytical steps are presented in the attached Table 1, ASCE 41-17 Site-Specific Seismic Response Spectra Worksheet – New Buildings.

The BSE-2N response spectrum was generated per the requirements of Section 21.2 of ASCE 7-16 by comparing the spectral response accelerations from the probabilistic MCE_R (Section 21.2.1) and the deterministic MCE_R (Section 21.2.2), with the resulting MCE_R response spectrum being the lesser of the spectral accelerations at each period. The ordinates for the BSE-2N response spectrum are presented in Table 1 (Column 11).

The BSE-1N response spectrum was generated by taking 2/3 of the BSE-2N response spectrum but confirming that the values are not less than 80 percent of the spectral acceleration determined per Sections 11.4.6 and 21.3 of ASCE 7-16. The ordinates for the BSE-1N response spectrum are presented in Table 2-1 (Column 12).

The BSE-2N and BSE-1N response spectra, as well as the general horizontal response spectra (per Section 2.4.1.7.1 of ASCE 41-17) for each respective hazard level, are shown on Figure 4-2 and tabulated in Table 1.

BSE-2E and BSE-1E Seismic Hazard Values (Existing Buildings)

The BSE-2E response spectrum corresponds to the probabilistic ground motions resulting in a 5 percent probability of exceedance within a 50-year period (average return period of 975 years) and was determined per the requirements of Section 2.4.1.3 of ASCE 41-17. The values for the BSE-2E spectrum need not exceed those for BSE-2N. The BSE-1E response spectrum corresponds to the probabilistic ground motions resulting in a 20 percent probability of exceedance within a 50-year period (average return period of 224 years) and was determined per the requirements of Section 2.4.1.4 of ASCE 41-17. The values for the BSE-1E spectrum need not exceed those for BSE-1N.

As with the MCE_R spectrum, the BSE-2E and BSE-1E spectrum were calculated using the USGS Unified Hazard Tool website [*Conterminous U.S. 2008 (update, v3.2.x)* edition]. We calculated response spectra for shear wave velocities of 259 m/s (Site Class D) and 360 m/s (C/D Boundary) and then linearly interpolated between those spectra based on our estimated site-specific shear wave velocity of 289 m/s.

The final BSE-2E and BSE-1E response spectra were based on the geometric mean horizontal component, scaled by period-dependent factors per Huang et al (2008) to convert the geometric-mean response to the maximum-rotated response. The ordinates for the BSE-2N response spectrum are presented in Table 2 (Column 11). The ordinates for the BSE-1E spectrum are presented in Table 2 (Column 12). For the BSE-2E and BSE-1E spectra, we confirmed that the values did not exceed the BSE-2N and BSE-1N spectra, respectively.

The BSE-2E and BSE-1E response spectra, as well as the general horizontal response spectra (per Section 2.4.1.7.1 of ASCE 41-17) for each respective hazard level, are shown on Figure 4-3 and tabulated in Table 2, ASCE 41-17 Site-Specific Seismic Response Spectra Worksheet – Existing Buildings. Figure 4-4 presents the site-specific response spectra for all four BSE hazard levels (BSE-2N, BSE-1N, BSE-2E, and BSE-1E).

4.2.3 Liquefaction, Lateral Spreading, and Seismic Settlement

Liquefaction is a phenomenon in which saturated cohesionless soils undergo a temporary loss of strength during severe ground shaking and acquire a degree of mobility sufficient to permit ground deformation. In extreme cases, the soil particles can become suspended in groundwater, resulting in the soil deposit becoming mobile and fluid-like. Liquefaction is generally considered to occur primarily in loose to medium dense deposits of saturated sandy soils. Thus, three conditions are required for liquefaction to occur: (1) a sandy soil of loose to medium density; (2) saturated conditions; and (3) rapid, large strain, cyclic loading, normally provided by earthquake motions.

The site is not located in a Seismic Hazard Zone for liquefaction, as mapped by the State of California (Inglewood Quadrangle). Maps presented in the City and County of Los Angeles Seismic Safety Elements also locate the site outside of areas considered to be liquefiable (City of Los Angeles, 1996; County of Los Angeles, 1990). Groundwater was not encountered in our explorations to depths of 81½ feet below existing grade. Historical high groundwater levels provided by the California Geologic Survey indicate a shallowest groundwater table of approximately 45 to 50 feet below existing grades (CGS, 1998). Excluding the site from a liquefaction hazard zone appears to be based primarily on the lack of shallow groundwater and density of the subsurface soils.

Seismic ground subsidence (not related to liquefaction induced settlements) occurs when strong earthquake shaking results in densification of loose to medium dense sandy soils above groundwater. The materials encountered above the historical high groundwater level generally consisted of firm to stiff sandy silts overlying medium dense silty sands and stiff to very stiff sandy silts. Below depths of 35 to 40 feet, the subsurface soils transitioned to dense to very dense silty sands. Overall, the soils encountered exhibited moderate to high strength.

In accordance with the 2019 CBC, ASEC 7-16, Special Publication 117A (CGS, 2008), and the 2019 revision of CGS Note 48, the ground motion used for this evaluation should be based on the Peak Ground Acceleration (PGA_M), adjusted for site class effects, or a site-specific response spectrum. As such, we considered a ground acceleration of 0.92g for a magnitude 6.8 earthquake for our analyses, which corresponds to the PGA_M obtained from our site-specific seismic response evaluation.

We assumed a groundwater depth of approximately 45 feet from existing grades in our seismic ground subsidence evaluation. Based on our analyses, we computed potential total seismic-induced dry seismic settlements of approximately 1 to 1¾ inches, with the majority of these dry seismic settlements occurring between depths of 4 and 10 feet below existing grades. Below depths of 10 feet, the dry seismic settlements are approximately between ¼ and ½ inch.

Differential seismic settlements across a 40-foot span are estimated to between ½ and 1 inch based on the existing site conditions. Below depths of 10 feet (and following our recommendations for earthwork as presented later in this report), the differential seismic settlement across a 40-foot span is estimated to be less than ¼ inch.

4.3 EARTHWORK

The earthwork at the project site is anticipated to consist of clearing, removals of undocumented fill and loose/disturbed soils, subgrade preparation, and the placement and compaction of fill.

4.3.1 Clearing

Prior to grading, performing excavations, or constructing the proposed improvements, the areas to be developed should be cleared of debris and pavements. Buried obstructions, such as footings, abandoned utilities, and tree roots should be removed from areas to be developed. Deleterious material generated during the clearing operation, including organic topsoil or material within the existing undocumented fill, should be removed from the site. If approved by the District, inert demolition debris, such as concrete, asphalt, and brick may be crushed for reuse in engineered fills outside the planned building areas in accordance with the criteria presented in the "Materials for Fill" section of this report. It is our experience that such material will be required to be exported from the site.

If cesspools or septic systems are encountered during grading, they should be removed in their entirety. The resulting excavation should be backfilled as recommended in the "Subgrade Preparation" and "Placement and Compaction of Fill" sections of this report. As an alternative, cesspools can be backfilled with lean sand-cement slurry. At the conclusion of the clearing operations, a representative of the personnel from GPI should observe and accept the site prior to further grading.

4.3.2 Excavations

Excavations at this site will include removals of undocumented fill soils, soils disturbed during demolition and portions of the weak native soils, foundation excavations, and trenching for new utility lines.

Prior to placing fills or construction of the structures or pavement, the existing undocumented fill, loose soils disturbed during demolition, and portions of the upper soils should be removed and replaced as properly compacted fill. To provide uniform support for planned structures supported on shallow foundations, the footings and floor slabs should be underlain by properly compacted fill. Based on our limited explorations and for preliminary planning purposes, we anticipate the following average removal depths:

- For new campus buildings founded at-grade, removals across the building pad should extend to depths of at least 9 feet below existing grades or 4 feet below the base of foundations, whichever is deeper.
- For new campus buildings with subterranean levels, removals should extend to depths of at least 3 feet below the base of foundations.
- For minor structures (e.g., site walls, trash enclosures), removals should extend to depths of at least 5 feet below existing grades or 2 feet below the base of foundations, whichever is deeper.
- For new vehicular pavements and pedestrian hardscape, removals should extend at least 1 foot below the existing or proposed subgrade, whichever is deeper.
- For building retrofit where new foundations are required within the footprint of a building to remain, or where existing footings will be enlarged to carry additional loads, the extent of remedial grading will depend on the subsurface conditions encountered. For planning purposes, these foundations should be underlain by at least 1-foot of new properly compacted fill soils. Deeper removals may be required depending on the actual conditions exposed in the foundation excavations.

Existing grades refer to the grades at our exploration locations. Deeper removals may be required where deep undocumented fill soils are encountered. Removals are not required for pile-supported minor structures such as light standards. The actual depths of removals should be determined in the field during grading by a representative of GPI.

The Project Surveyor should accurately stake the corners of the areas to be overexcavated in the field. Where space is available, the base of the excavations should extend laterally at least 5 feet beyond the building line or edge of foundations, or a minimum lateral distance equal to the depth of overexcavation/compaction below the base of foundations (i.e., a 1:1 projection below the bottom outside edge of footings), whichever is greater. Building lines include the footprint of the building and other foundation supported improvements, such as canopies and attached site walls.

For shallow foundations of minor structures, including site walls, the base of overexcavation should extend laterally beyond the edge of perimeter foundations a minimum distance of 2 feet. For new footings inside an existing building related to retrofit, the limits of the removal can be limited to the lateral limits of the new foundation.

In general, the upper fill soils are considered moderately susceptible to caving in shallow excavations. Temporary construction excavations may be made vertically without shoring to a depth of 4 feet below the adjacent grade. For deeper cuts up to 10 feet, the slopes should be properly shored or sloped back to at least 1:1 or flatter. For cuts deeper than 10 feet but not exceeding 15 feet, slopes should be properly shored or sloped back to at least 1½:1 (horizontal:vertical) or flatter. Some raveling of the sandy deposits should be anticipated at the slope inclinations recommended. If raveling cannot be tolerated, flatter slope inclinations should be considered. The exposed slope face should be kept moist (but not saturated) during construction to reduce local sloughing.

Excavations adjacent to existing foundations should not extend below an imaginary plane descending at an inclination of 1:1 from a point 1-foot above the base of an existing foundation unless slot cutting or shoring are used.

“ABC” slot cuts may be utilized in place of temporary shoring where removals adjacent to existing improvements or property lines are performed (e.g., retrofits to existing foundations). Unsurcharged slot cuts up to 8 feet in height should not exceed 6 feet in width. Unsurcharged slot cuts up to 10 feet in height should not exceed 5 feet in width. Slot cuts should be backfilled immediately to finished grade prior to excavation of the adjacent slots. Slot cuts that will be surcharged by adjacent existing structures should be evaluated by GPI when details are available. If the slots are performed adjacent to an existing building that has perimeter pad footings in addition to a continuous footing, the slots should be aligned so that not more than one-half of the pad footing is exposed at a time. We should review the plans for excavation adjacent to existing buildings when they are developed.

Surcharge loads should not be permitted within a horizontal distance equal to the height of cut from the top of the excavation or 5 feet from the top of the slopes, whichever is greater, unless the cut is properly shored. Excavations that extend below an imaginary plane inclined at 45 degrees below the edge of the adjacent existing site facilities should be properly shored to maintain support of adjacent elements. Excavations and shoring systems should meet the minimum requirements given in the State of California Occupational Safety and Health Standards.

In general, the excavation can be accomplished by conventional soil excavation equipment such as backhoes, loaders, scrapers, or dozers.

4.3.3 Subgrade Preparation

Prior to placing fills, the subgrade soils at the bottom of overexcavations should be scarified to a depth of 12 inches, moisture-conditioned as necessary, and compacted to

at least 90 percent of the maximum dry density determined in accordance with ASTM D1557. This recommendation also pertains to the subgrade areas of asphalt pavement and hardscape as well as temporary modular buildings. Scarification may be omitted if very moist to wet soils are exposed.

During our investigation, soils with variable moisture contents (ranging from 1 to 20 percent) were encountered within the upper 10 feet, with an average moisture content of approximately 7 percent. The earthwork subcontractors should review the moisture content information presented on the boring logs, as localized wet soils may be encountered that will require mixing, drying, deeper removals, or stabilization prior to compaction. Also, heavy rubber-tired equipment is likely to cause pumping or yielding of wet subgrade. We do not recommend performing excavations that cannot be backfilled prior to forecast rain, as the exposed soils will be impacted and may require additional removals.

If wet soils are encountered or if the exposed soils become wet from seasonal rains, the wet, yielding soils can be removed to expose a stable subgrade or subgrade stabilization may be required to support compaction equipment. For planning purposes, the stabilization would require the placement of 12 inches of crushed aggregate base (CAB) over a geogrid, such as Tensar BX1100. A thicker section of CAB could be used if the geogrid is omitted. As an alternative, the wet soils can be cement treated. For planning purposes, we anticipate stabilization can be achieved by mixing 4 percent cement within the upper 15 inches of exposed soil by unit weight (assume 120 pcf). The cement treatment should be performed by a subcontractor experienced with the process, using equipment that can thoroughly mix the soil-cement prior to compaction.

4.3.4 Material for Fill

Soils available from on-site excavations, less debris or organic matter, will be suitable for re-use in compacted fills. Soils placed behind retaining walls and within 1-foot of the finished subgrade for building floor slabs and hardscape should be predominately granular (containing no more than 40 percent fines - portion passing No. 200 sieve) and non-expansive (E.I. of 20 or less). Such materials are anticipated to be available onsite within the upper 10 feet below existing grades.

Imported fill material should be predominately granular and non-expansive as defined above. Import or on-site materials used in compacted fills should not contain particles larger than 3 inches in diameter. GPI should be provided with a sample (at least 50 pounds) and notified of the location of soils proposed for import at least 72 hours in advance of importing. Each proposed import source should be sampled, tested, and accepted for use prior to delivery of the soils to the site. Soils imported prior to acceptance by GPI may be rejected if not suitable.

If open-graded gravel is used as backfill, such as for stormwater infiltration or retention systems, the material should be separated from the adjacent soils with a suitable non-woven filter fabric, such as Mirafi 140N. Open-graded gravel should also be placed in lifts not exceeding 2 feet in thickness, with each lift being densified using impact or vibratory compaction equipment.

4.3.5 Placement and Compaction of Fills

Fill soils should be placed in horizontal lifts, moisture-conditioned, and mechanically compacted to densities equal to at least 90 percent of the maximum dry density, determined in accordance with ASTM D1557. The optimum lift thickness will depend on the compaction equipment used and can best be determined in the field. The following uncompacted lift thickness can be used as preliminary guidelines.

Plate compactors	4-6 inches
Small vibratory or static rollers (5-ton±) or track equipment	6-8 inches
Scrapers, heavy loaders, or heavy vibratory rollers	8-12 inches

The maximum lift thickness should not be greater than 12 inches and each lift should be thoroughly compacted and accepted prior to subsequent lifts.

Fills should be placed at moisture contents of 0 to 2 percent over the optimum moisture content for granular soils and silts, and 1 to 3 percent over optimum for clays. The moisture contents of the soils encountered in the upper 10 feet in the explorations were variable but, on average, slightly below optimum. As such, adequate mixing and some moisture conditioning (wetting) may be necessary prior to replacing the soils as properly compacted fill. The properly compacted on-site soils should not be allowed to dry out prior to covering or additional moisture conditioning and processing will be required. The moisture content of the subgrade soils should be confirmed by GPI prior to covering.

During backfill of excavations, the fill should be properly benched into the construction slopes as it is placed in lifts.

4.3.6 Shrinkage and Subsidence

Shrinkage is the loss of soil volume caused by compaction of fills to a higher density than before grading. Subsidence is the settlement of in-place subgrade soils caused by loads generated by large earthmoving equipment. For earthwork volume estimating purposes, an average shrinkage value of 15 to 20 percent may be assumed for the surficial soils. Higher values may be realized if deep undocumented fills are encountered. Subsidence is anticipated to be about 0.1 feet. These values are estimates only and exclude losses due to removal of vegetation or debris. Actual shrinkage and subsidence will depend on the types of earthmoving equipment used and should be verified during grading.

4.3.7 Trench/Wall Backfill

Utility trench and wall backfill, consisting of the on-site materials or imported sand, should be mechanically compacted in lifts. Clays and silts should not be used for retaining wall or wall-below-grade backfill or for direct support of building slabs or hardscape. Lift thickness should not exceed those values given in the "Placement and Compaction of Fill" section of this report. Moisture conditioning of the on-site soils will be required prior to re-use as backfill. Jetting or flooding of backfill materials should not

be permitted. A representative of GPI should observe and test trench and wall backfill as they are placed.

In backfill areas where mechanical compaction of soil backfill is impractical due to space constraints, sand-cement slurry may be substituted for compacted backfill. The slurry should contain one sack of cement per cubic yard. Within building areas, the slurry should contain two sacks of cement per cubic yard. When set, such a mix typically has the consistency of compacted soil. Under foundations, concrete equal in strength to the foundation concrete should be used if fill is required.

4.3.8 Observation and Testing

A representative of GPI should observe excavations, subgrade preparation, and fill placement activities. Sufficient in-place field density tests should be performed during fill placement and in-place compaction to evaluate the overall compaction of the soils. Soils that do not meet minimum compaction requirements should be reworked and tested prior to placement of additional fill.

4.4 FOUNDATIONS

4.4.1 General

The proposed structures and modifications to existing buildings may be supported on conventional isolated and/or continuous shallow footings or a mat foundation, provided the subsurface soils are prepared in accordance with the recommendations given in this report. The decision to support structures on a mat foundation instead of spread footings will depend on the allowable total and differential static and seismic settlements. Shallow foundations should be supported on properly compacted fill. We are also providing recommendations for design of deep foundations for support of light standards, carports, shade covers, and similar type structures.

4.4.2 Bearing Capacity

Spread Footings

Based on the shear strength and elastic settlement characteristics of the recompacted on-site soils, a static allowable net bearing pressure of up to 3,500 pounds per square foot (psf) may be used for both continuous footings and isolated column footings. The actual bearing pressure used may be less, such that economics and structural loads will determine the minimum width for footings as discussed below. These bearing pressures are for dead load-plus-live loads, and may be increased one-third for short-term, transient, wind and seismic loading. The maximum edge pressures induced by eccentric loading or overturning moments should not be allowed to exceed these recommended values.

The following minimum footing widths and embedments are recommended for the corresponding allowable bearing pressure.

STATIC BEARING PRESSURE (psf)	MINIMUM FOOTING WIDTH (inches)	MINIMUM FOOTING* EMBEDMENT (inches)
3,500	48	24
3,000	24	24
2,500	18	18
1,500	15	15

* Depth to bottom of footing below lowest adjacent finish grade.

A minimum footing width and depth of 15 inches should be used even if the actual bearing pressure is less than 1,500 psf.

Mat Foundation

The allowable bearing pressure for a mat foundation is generally not the governing geotechnical issue as compared to the anticipated settlement. At this time, we have not been provided with estimated static mat foundation pressures for the proposed structures. If a mat foundation is to be considered, we should be provided with a detailed plot of the anticipated bearing pressures to review.

For the elastic design of the mat foundation, a modulus of subgrade reaction (k-value) of 100 pounds per cubic inch (pounds per square inch per inch of deflection) may be used. This value is for a 1-foot by 1-foot square loaded area and should be adjusted for the area of the mat foundation using appropriate elastic theory. Using generally accepted methods and our site-specific consolidation test results, we recommend using a value of 25 pci for the adjusted k-value in designing the mat foundation. As previously discussed, we should be provided with the anticipated mat pressures when they are developed so that we can review and confirm the recommendations provided, as well as provide an estimate for the anticipated maximum static settlements for the mat foundations.

The allowable soil bearing pressure will be significantly greater than the average bearing pressures required for the mat foundation as discussed above. At localized areas of the mat, such as columns and point of load applications along exterior walls, a static allowable net bearing pressure of 2,000 pounds per square foot may be used. These allowable bearing pressures are for dead-plus-live loads, and may be increased one-third for short-term, transient, wind and seismic loading.

4.4.3 Settlement

Under the static load conditions assumed (column loads of up to 300 kips and wall loads of up to 6 kips per lineal foot), maximum total static settlement of proposed at-grade structures is expected to be on the order of ¾ to 1-inch. Maximum differential static settlement between similarly loaded adjacent footings for at-grade structures is estimated to be on the order of ½-inch across a lateral distance of 40 feet. For structures with one subterranean level, found approximately 10 to 12 feet below existing site grades, maximum total static settlements are expected to be on the order of ½ to

¾-inch, with maximum differential settlements across a 40-foot span of ¼-inch to ½ inch.

As discussed earlier, we initially computed total dry seismic settlements of 1 to 1¾ inches, with the majority of that settlement occurring in the upper 10 feet. Following our recommended earthwork, total dry seismic settlements are expected to be less than ¼ to ½ inch. As such, total combined static plus seismic settlement for the purposed of determining foundation feasibility is expected to be between 1 and 1½ inches. Combined differential static plus seismic settlement is expected to be between ½ and ¾-inch across a lateral distance of 40 feet.

The above settlement estimates are based on the assumption that the recommended earthwork will be performed and that the footings will be sized in accordance with our recommendations. When detailed structural loads are available, we should be provided with the information to further evaluate the settlements.

4.4.4 Lateral Resistance

Soil resistance to lateral loads will be provided by a combination of frictional resistance between the bottom of footings and underlying soils and by passive soil pressures acting against the embedded sides of the footings. For frictional resistance, a coefficient of friction of 0.35 may be used for design. In addition, an allowable lateral bearing pressure equal to an equivalent fluid weight of 300 pounds per cubic foot may be used, provided the footings are poured tight against the compacted fill. A one-third increase in the above allowable lateral bearing pressure (but not the frictional resistance) may be taken for short-term wind and seismic loads. The passive pressure provided also assumes a level ground surface extending to a horizontal distance from the wall or footing face at least twice the depth of embedment. These values may be used in combination without reduction.

4.4.5 Light Standards and Poles

Light standards, carports, shade covers, and similar structures may be supported on drilled pier foundations. The design of such piers is typically governed by lateral loading conditions. Soil resistance to lateral loads can be provided by the piles. The design of the piles will be governed by lateral force considerations. For design by the simplified pole formula presented in Section 1807A.3.2.1 of the 2019 California Building Code, a unit passive resistance of 275 pounds per square foot per foot (to a maximum of 2,750 pounds per square foot) may be used for the piles with level ground in lieu of the presumptive lateral bearing values presented in Table 1806A.2. As stated in the code, a passive resistance of 550 pounds per square foot per foot (to a maximum of 5,500 pounds per square foot) may be used for isolated piles as determined by the Project Structural Engineer. This value incorporates the allowable increase stated in the Section 1806A.3.4 of the code for single poles that can tolerate a ½-inch of deflection under short-term loads. We recommend that the upper 1-foot of the subgrade soils be ignored in determining the required depth of embedment to allow for surface disturbance adjacent to the pile.

A pile designed for adequate embedment to resist the anticipated lateral loads will likely have adequate axial capacity to support the anticipated vertical loads. The net allowable vertical compressive capacity can be conservatively calculated based on a unit side friction of 300 pounds per square foot, neglecting end bearing contribution. For piles installed in areas where undocumented fills were removed in their entirety and properly compacted, we recommend that the upper 1 foot of the subgrade soils be ignored in determining the required depth of embedment to allow for future surface disturbance adjacent to the pile. For piles installed in areas where undocumented fills remain in place, we recommend the upper 6 feet of the subgrade soils be ignored in determining required depth of embedment allowable axial capacity.

4.4.6 Foundation Concrete

Laboratory testing by HDR (Appendix B) indicates that the on-site soils have soluble sulfate contents of 110 to 180 mg/kg (0.011 to 0.018 percent by weight). In accordance with the 2019 CBC, foundation concrete should conform to the requirements outlined to the requirements outlined in ACI 318, Section 19.3 for a negligible level of soluble sulfate exposure for soil (Category S0). Chloride contents were 3.1 to 9.4 mg/kg, which is considered to be low (Category C1). Detailed corrosion protection measures are presented in the soil corrosivity study by HDR in Appendix E. HDR should be contacted for questions on their report or for additional corrosion protection consultation.

4.4.7 Foundation Observation

Prior to placement of steel and concrete, a representative of GPI should observe and approve foundation excavations. Footing excavations should not be allowed to dry out and should be moistened immediately prior to concrete placement.

4.5 CONCRETE SLABS

Concrete slabs should be supported on non-expansive, compacted soils as discussed in the "Placement and Compaction of Fill" section. Suitable soils, such as the onsite sandy silts and silty sands, are anticipated to be readily available within the upper 10 feet below existing grades. Clays are not suitable for direct support of slabs and hardscape. The subgrade soils should not be allowed to dry out prior to concrete placement or additional processing and moisture conditioning will be required.

A moisture vapor retarder should be placed under slabs that are to be covered with moisture-sensitive floor coverings (parquet, vinyl, tile, etc.). Currently, common practice is to use a 10 or 15 mil polyolefin product such as Stego Wrap for this purpose. Whether to place the concrete slab directly on the vapor barrier or place a clean sand layer between the slab and vapor barrier is a decision for the Project Architect, as it is not a geotechnical issue. If covered by sand, the sand layer should be about 2 inches thick and contain less than 5 percent by weight passing the No. 200 sieve. Based on our explorations and laboratory testing, the soils at the site are not suitable for this purpose. The function of the sand layer is to protect the vapor retarder during construction and to aid in the uniform curing of the concrete. This layer should be nominally compacted using light equipment. The sand placed over the vapor retarder

should only be slightly moist. If the sand gets wet (for example as a result of rainfall or excessive moistening) it must be allowed to dry prior to placing concrete. Care should be taken to avoid infiltration of water into the sand layer after placement of the concrete slab, such as at slab cut-outs and other exposures. A sand layer is not required beneath the vapor retarder, but we take no exception if one is provided.

It should be noted that the material used as a vapor retarder is only one of several factors affecting the prevention of moisture accumulation under floor coverings. Other factors include maintaining a low water-cement ratio for the concrete used for the floor slab and effective sealing of joints and edges (particularly at pipe penetrations). The manufacturer of the floor coverings should be consulted for establishing acceptable criteria for the condition of the floor surface prior to placing moisture-sensitive floor coverings.

For the elastic design of slabs supporting sustained concentrated loads, a modulus of subgrade reaction (k) of 100 pounds per cubic inch (pounds per square inch per inch of deflection) may be used. This value is for a 1-foot by 1-foot square loaded area and should be adjusted by the structural designer for the area of the proposed building slab using appropriate elastic theory.

4.6 PAVED AREAS

Testing of the on-site soils indicates the upper soils have an R-value of 63. Preliminary pavement design has been based on an R-value of 50. R-value testing should be performed prior to construction of the pavement sections to confirm the preliminary design. The California Division of Highways Design Method was used for design of the recommended preliminary pavement sections. These recommendations are based on the assumption that the pavement subgrades will consist of existing near surface soils. The following pavement sections are recommended:

PAVEMENT AREA	TRAFFIC INDEX	SECTION THICKNESS (inches)	
		ASPHALT/PORTLAND CONCRETE	AGGREGATE BASE COURSE
Asphalt Concrete			
Pedestrian (no vehicles)	---	2.0	3.0
Automobile Parking	4.0	3.0	4.0
Automobile Drives	5.0	3.0	5.0
Truck/Bus Drives	6.0	3.5	7.0
Heavy Truck/Bus Drives	7.0	4.0	9.0
Portland Cement Concrete			
Pedestrian (no vehicles)	---	4.0	4.0
Automobile Parking	4.0	5.5	4.0
Automobile Drives	5.0	6.0	4.0
Truck/Bus Drives	6.0	6.5	4.0
Heavy Truck/Bus Drives	7.0	7.0	4.0

For pavement design of fire lanes, assuming an anticipated usage of one round trip per month by a 68,000-pound fire truck, a pavement section corresponding to a traffic index (TI) of 5 is considered to be suitable. If the fire lane will also accommodate additional

traffic consisting of trucks and buses, the pavement sections should correspond to either a TI of 6 (truck/bus drives) or 7 (heavy truck/bus drives).

The area surrounding temporary, interim housing, if planned, would be anticipated to support pedestrian and very light vehicle traffic only. In these temporary areas, the ground surface may be paved with 2 inches of asphalt concrete over properly compacted subgrade if the pavement will be removed when the modular buildings will be removed.

The concrete used for paving should have a modulus of rupture of at least 550 psi (equivalent to an approximate compressive strength of 3,700 psi at the time the pavement is subjected to traffic). If the site is base paved prior to the start of building construction, the above pavement sections should be re-evaluated based on the anticipated construction traffic loads.

The pavement subgrade underlying the aggregate base should be properly prepared and compacted in accordance with the recommendations outlined under "Subgrade Preparation".

The pavement base course should be compacted to at least 95 percent of the maximum dry density (ASTM D 1557). Aggregate base should conform to the requirements of Section 200-2 of the Standard Specifications for Public Works Construction (Green Book) for crushed aggregate base (CAB) materials.

The above recommendations are based on the assumption that the base course and compacted subgrade will be properly drained. The design of paved areas should incorporate measures to prevent moisture build-up within the base course, which can otherwise lead to premature pavement failure. For example, curbing adjacent to landscaped areas should be deep enough to act as a barrier to infiltration of irrigation water into the adjacent base course.

4.7 RETAINING STRUCTURES AND SHORING

Based on information available to us at the time this report was prepared, basement walls may be planned as part of the comprehensive modernization. We are not aware of other significant retaining walls being planned at this time. The following recommendations are provided for cantilevered site walls or basement walls up to 10 feet in height. We recommend that walls be properly drained and backfilled with sandy soils (less than 40 percent passing the No. 200 sieve). The onsite clays and silts are not suitable for use as retaining wall backfill where conventional backfill is used.

4.7.1 Retaining Walls

Active earth pressures can be used for designing walls that can yield at least ½-inch laterally per 10 feet of wall height under the imposed loads. For level, drained backfill, derived from non-expansive granular soils (EI $\leq$ 20), an active lateral pressure of an equivalent fluid weighing of 38 pounds per cubic foot may be used. At-rest pressures should be used for restrained walls (e.g., basement walls) that remain rigid enough to

be essentially non-yielding. For select, non-expansive, level, drained backfill, a lateral pressure of an equivalent fluid weighing 54 pounds per cubic foot can be used. If the wall backfill is not drained, the combined earth and water pressures could be much higher.

A seismic lateral pressure should be used for the design of retaining walls as required. We recommend a seismic lateral pressure of 25 pounds per cubic foot be added to the active earth pressure recommended above. If at-rest pressure is used to design the retaining wall, the total lateral pressure used (at-rest plus seismic) is not required to exceed the total active plus seismic pressure (63 pounds per cubic foot).

Walls subject to surcharge loads should be designed for an additional uniform lateral pressure equal to one-third and one-half the anticipated surcharge pressure for unrestrained and restrained walls, respectively.

The recommended pressures assume that the supported earth will be fully drained, preventing the build-up of hydro-static pressures. For traditional backfilled retaining walls, a drain consisting of perforated pipe and gravel, wrapped in a suitable filter fabric should be used. As a minimum, one cubic foot of rock should be used for each lineal foot of drain. The fabric (non-woven filter fabric, Mirafi 140N or equivalent) should be lapped at the top.

4.7.2 Temporary Shoring

Where there is not sufficient space for sloped embankments, such as along the property limits or adjacent to existing structures, shoring will be required. One method of shoring would consist of steel soldier piles placed in drilled holes and backfilled with concrete. Driven or vibrated soldier piles may also be considered as an alternative to drilled holes, and they can be used for supporting cuts that do not support existing structures.

For cantilever shoring with level backfill, the magnitude of active pressure is equivalent to the pressures imposed by a fluid weighing 35 pounds per cubic foot (pcf). For sloping backfill with a 1:1 inclination, the active pressure would be 65 pcf.

In addition to the recommended earth pressure, the shoring should be designed for surcharge loads due the adjacent structures and construction traffic surcharge loads. The upper 10 feet of the shoring adjacent to streets should be designed to resist a uniform lateral pressure of 100 pounds per square foot, acting as a result of an assumed 300 pound per square foot surcharge behind the shoring due to normal street traffic. Existing adjacent structures will impart a surcharge load on shoring. The location and depth of the adjacent building footings, as well as the loading, will need to be determined to estimate the surcharge pressure on the shoring.

For design of soldier piles spaced at least two diameters on centers, the allowable lateral bearing value (passive value) of the soils below the excavation may be taken to be 550 pounds per square foot at the excavated surface, up to a maximum of 5,500 psf. To develop the full lateral value, provisions should be made to assure firm

contact between the soldier piles and the undisturbed soils. The concrete placed in the soldier pile excavation below the excavated level may be a lean mix, but it should be of adequate strength to transfer the imposed loads to the surrounding soils.

The shoring contractor should evaluate the potential drilling conditions when planning the installation methods.

If soldier piles are vibrated or driven, predrilling should not be allowed below the planned excavation level. Predrilling should be performed with a continuous flight auger capable of reversing the auger to minimize the removal of soil during the process. The diameter used for predrilling should not exceed 80 percent of the maximum depth of the soldier pile section. For design, the width of the driven or vibrated pile should be taken as the width of the flange.

The frictional resistance between the soldier piles and the retained earth may be used in resisting the downward component of the anchor load, if used. The coefficient of friction between the soldier pile and the retained earth may be taken as 0.35. This value is based on the assumption that uniform full bearing will be developed between the steel soldier beam and the lean-mix concrete and between the lean mix concrete and the retained earth. In addition, provided the portion of the soldier piles below the excavated level is backfilled with structural concrete, the soldier piles below the excavated level may be used to resist downward loads. The frictional resistance between the concrete soldier piles and the soils below the excavated level may be taken as equal to 400 pounds per square foot.

Continuous lagging will be required between the soldier piles. Careful installation of the lagging will be necessary to achieve bearing against the retained earth. We recommend that the voids between the lagging and retained earth be backfilled with a lean-mix sand-cement slurry prior to continuing the excavation deeper. The soldier piles should be designed for the full anticipated lateral pressure. However, the pressure on the lagging will be less because of arching of the soils between piles. We recommend that the lagging be designed for the recommended earth pressure but limited to a maximum value of 400 pounds per square foot, provided the soldier beam spacing is 8 feet or less.

It is difficult to accurately predict the amount of deflection of the shored embankment. It should be realized, however, that some deflection will occur. Adjacent to city right-of-way, the shoring should be designed to limit deflection to 1-inch. We recommend limiting the lateral deflection of shoring adjacent to structures to ½-inch. If greater deflection occurs during construction, additional bracing may be necessary. In areas where less deflection is desired, such as adjacent to existing settlement sensitive improvements, the shoring should be designed for higher lateral earth pressures.

We recommend performing a detailed survey of the improvements to be supported above the planned shoring prior to and during the shoring installation. The survey should include topographic data and a video account of the condition of the existing improvements, including cracks or signs of distress. During construction, the monitoring should consist of periodic surveying of the lateral and vertical locations of the tops of

the soldier piles. We suggest weekly readings during the excavation and for the first three weeks after achieving the bottom of the excavation. After that time, the readings should be performed every other week until the completion of the basement walls.

4.8 EXTERIOR CONCRETE AND MASONRY FLATWORK

Exterior concrete and masonry flatwork should be supported on a zone of non-expansive compacted fill, which is expected to be readily available on-site. The use of clayey soils within 1-foot of concrete hardscape subgrade is not recommended. Prior to placement of concrete, the subgrade should be prepared as recommended in "Subgrade Preparation" section. The moisture content of subgrade soils should be maintained above the optimum moisture content and confirmed by a representative of GPI prior to covering. Subgrade soils allowed to dry out will require moisture conditioning, including the potential for additional processing.

We recommend the Project Structural Engineer design the building floor slabs, including determination of thickness and reinforcing. For exterior flatwork, hardscape, and sidewalks, we recommend a minimum slab thickness of 4 inches with minimum slab reinforcement of No. 3 rebar placed at 18 inches on-center, in both directions. Control joints to direct shrinkage cracking in exterior slabs and sidewalks should be provided at maximum spacing of 8 and 6 feet on center in two directions, respectively. These recommendations should be considered as minimums based on the geotechnical site conditions, and the Project Civil Engineer should confirm if more stringent recommendations are needed for other purposes.

4.9 CORROSION

Resistivity testing indicated that the on-site soils are moderately corrosive to buried ferrous metals. GPI does not practice corrosion engineering. The results of the corrosivity testing and recommendations for corrosion protection measures are presented in Appendix E. We recommend that a corrosion-engineering firm, such as HDR, be consulted if additional corrosion protection recommendations are required.

4.10 SURFACE DRAINAGE AND INFILTRATION

Positive surface gradients should be provided adjacent to structures so as to direct surface water run-off and roof drainage away from foundations and slabs toward suitable discharge facilities. Long-term ponding of surface water should not be allowed on pavements or adjacent to buildings.

The subsurface infiltration characteristics at the site were not evaluated as part of our current investigation in accordance with our approved scope. Based on the subsurface soils encountered at the site, subsurface infiltration below depths of 10 feet may be feasible but field testing will need to be performed in order to confirm suitability and provide infiltration rates.

We recommend subsurface infiltration options be located a lateral distance of at least 30 feet from existing or proposed structures. Increased lateral offsets should be used for retaining walls or planned subterranean structures.

4.11 GEOTECHNICAL OBSERVATION AND TESTING

We recommend that a representative of GPI observe the earthwork during construction to confirm that the recommendations provided in our report are applicable during construction. The earthwork activities include grading, compaction of fills, subgrade preparation, pavement construction and foundation excavations. If conditions are different than expected, we should be afforded the opportunity to provide an alternate recommendation based on the actual conditions encountered.

5.0 LIMITATIONS

This report, exploration logs, and other materials resulting from GPI's efforts were prepared exclusively for use by the Los Angeles Unified School District and their consultants in designing the proposed development. The report is not intended to be suitable for reuse on extensions or modifications of the project or for use on project other than the currently proposed development as it may not contain sufficient or appropriate information for such uses.

Soil deposits may vary in type, strength, and many other important properties between points of exploration due to non-uniformity of the geologic formations or to man-made cut and fill operations. While we cannot evaluate the consistency of the properties of materials in areas not explored, the conclusions drawn in this report are based on the assumption that the data obtained in the field and laboratory are reasonably representative of field conditions and are conducive to interpolation and extrapolation.

Furthermore, our recommendations were developed with the assumption that a proper level of field observation and construction review will be provided by GPI during grading, excavation, and foundation construction. If construction phase services are performed by others, they must accept full responsibility for geotechnical aspects of the project, including this report.

Our investigation and evaluations were performed using generally accepted engineering approaches and principles available at this time and the degree of care and skill ordinarily exercised under similar circumstances by reputable geotechnical engineers practicing in this area. No other representation, either expressed or implied, is included or intended in our report.

Respectfully submitted,
Geotechnical Professionals Inc.





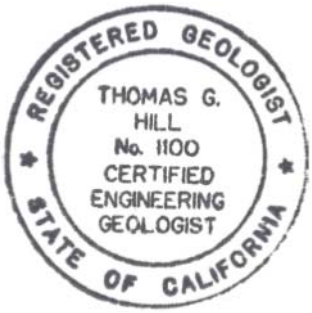
Dylan J. Boyle, G.E.
Senior Engineer





Paul R. Schade, G.E.
Principal





Thomas Hill, CEG 1100
Consulting Geologist

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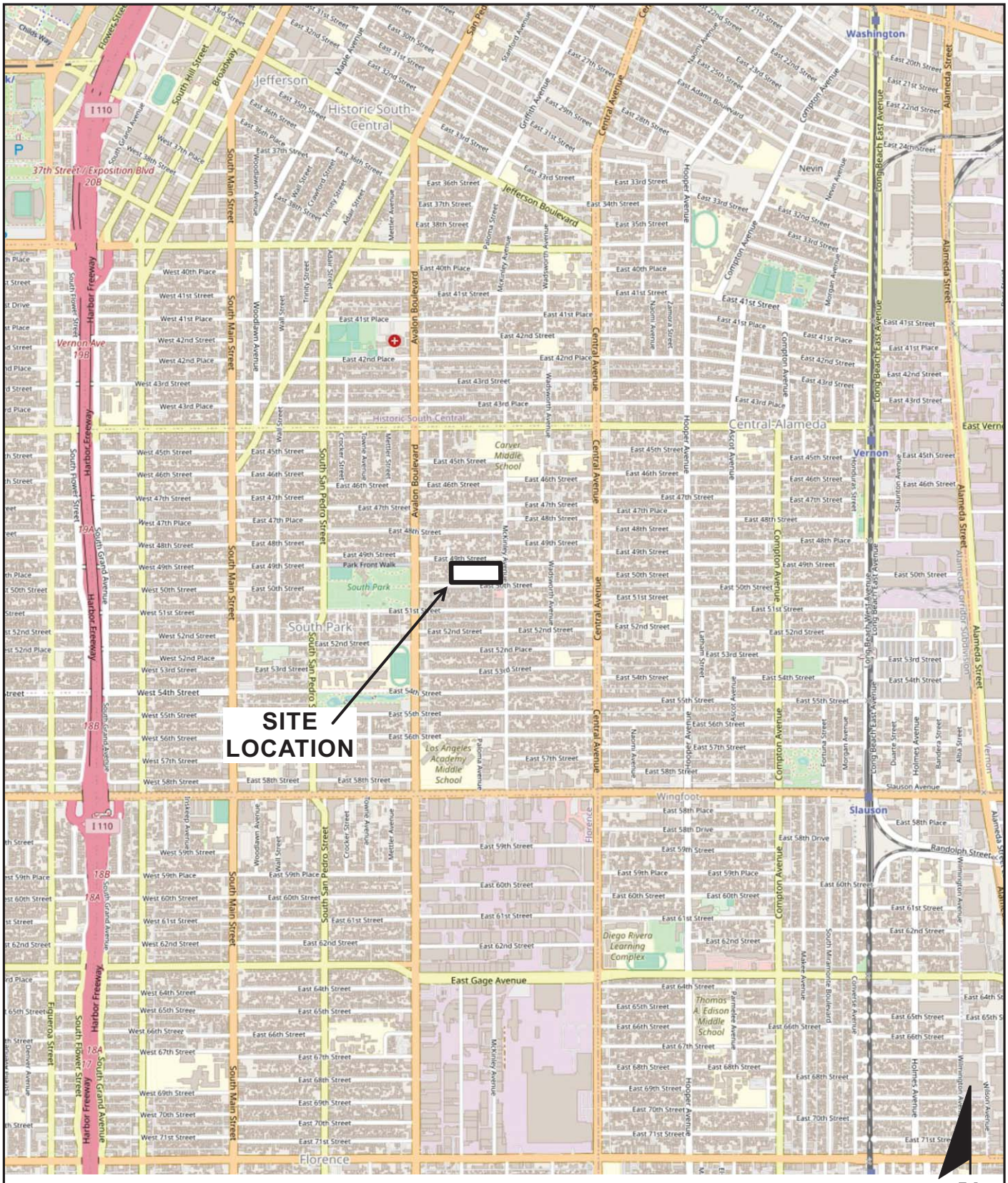


GPI GEOTECHNICAL PROFESSIONALS, INC.

49TH STREET ELEMENTARY SCHOOL

GPI PROJECT NO. 3077.015I | SCALE: 1" = 2000'

SITE LOCATION MAP

FIGURE 1



EXPLANATION

B-6 APPROXIMATE LOCATION AND NUMBER OF EXPLORATORY BORING

C-3 APPROXIMATE LOCATION AND NUMBER OF CONE PENETRATION TEST

0 100 200 FEET

N

BASE PLAN REPRODUCED FROM GOOGLE EARTH @ 2021

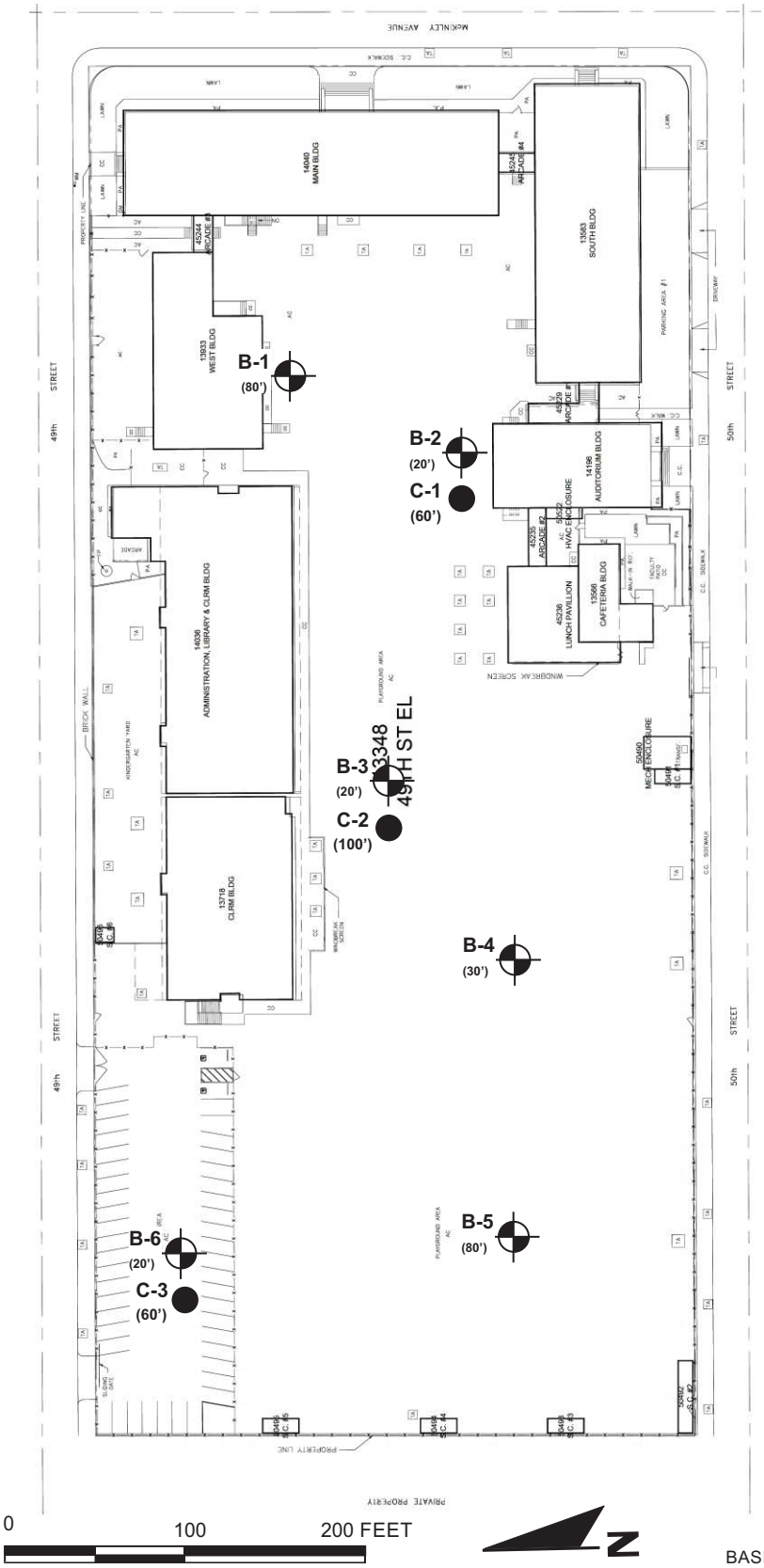
GPI GEOTECHNICAL PROFESSIONALS, INC.

AERIAL SITE PLAN

49TH STREET ELEMENTARY SCHOOL

GPI PROJECT NO.: 3077.015I | SCALE 1" = 100'

FIGURE 2



EXPLANATION

B-6 — APPROXIMATE LOCATION AND NUMBER OF EXPLORATORY BORING

C-3 — APPROXIMATE LOCATION AND NUMBER OF CONE PENETRATION TEST

BASE PLAN REPRODUCED FROM GOOGLE EARTH @ 2021

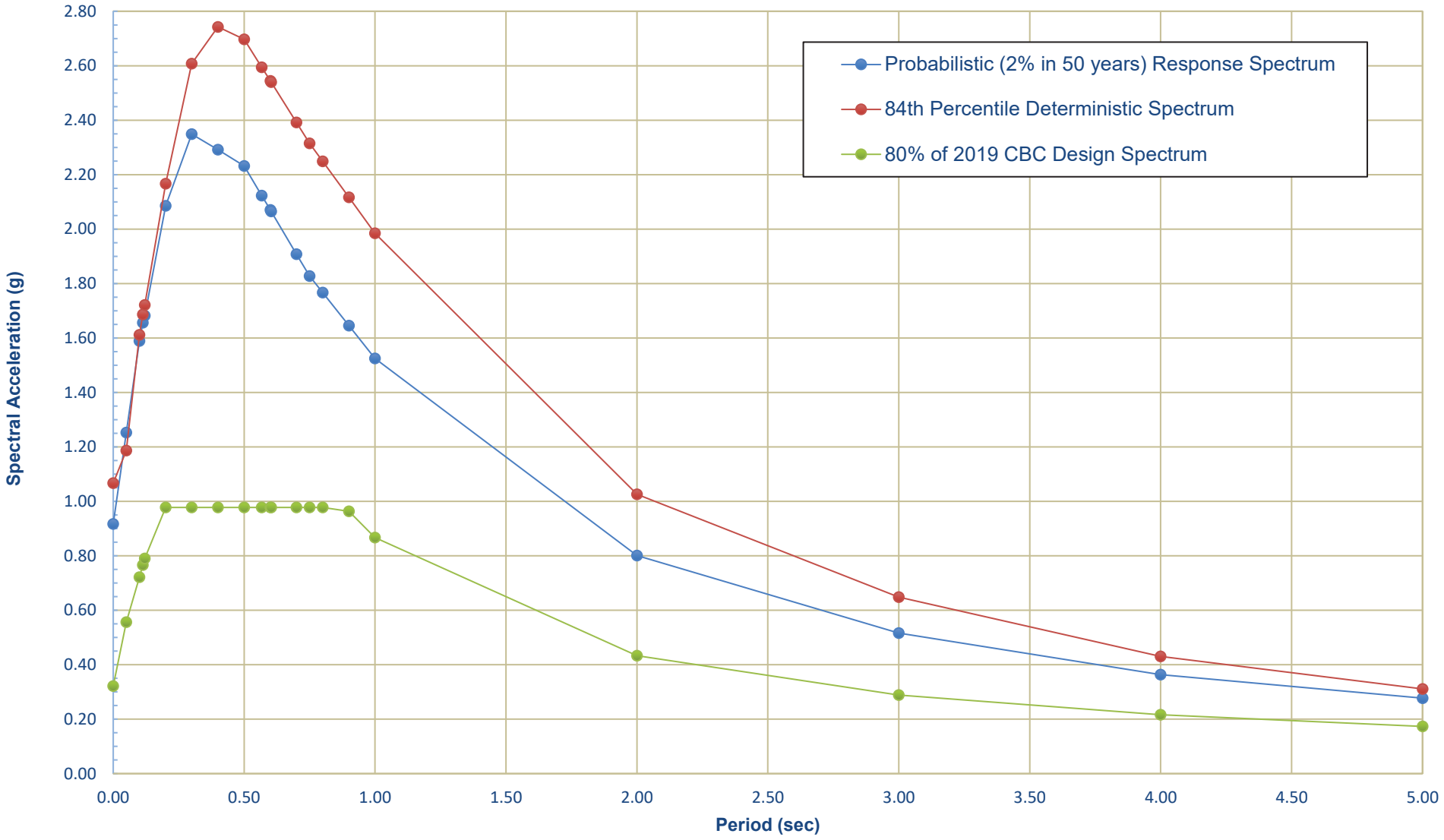
GPI GEOTECHNICAL PROFESSIONALS, INC.

EXISTING SITE PLAN

49TH STREET ELEMENTARY SCHOOL

GPI PROJECT NO.: 3077.015I | SCALE 1" = 100'

FIGURE 3

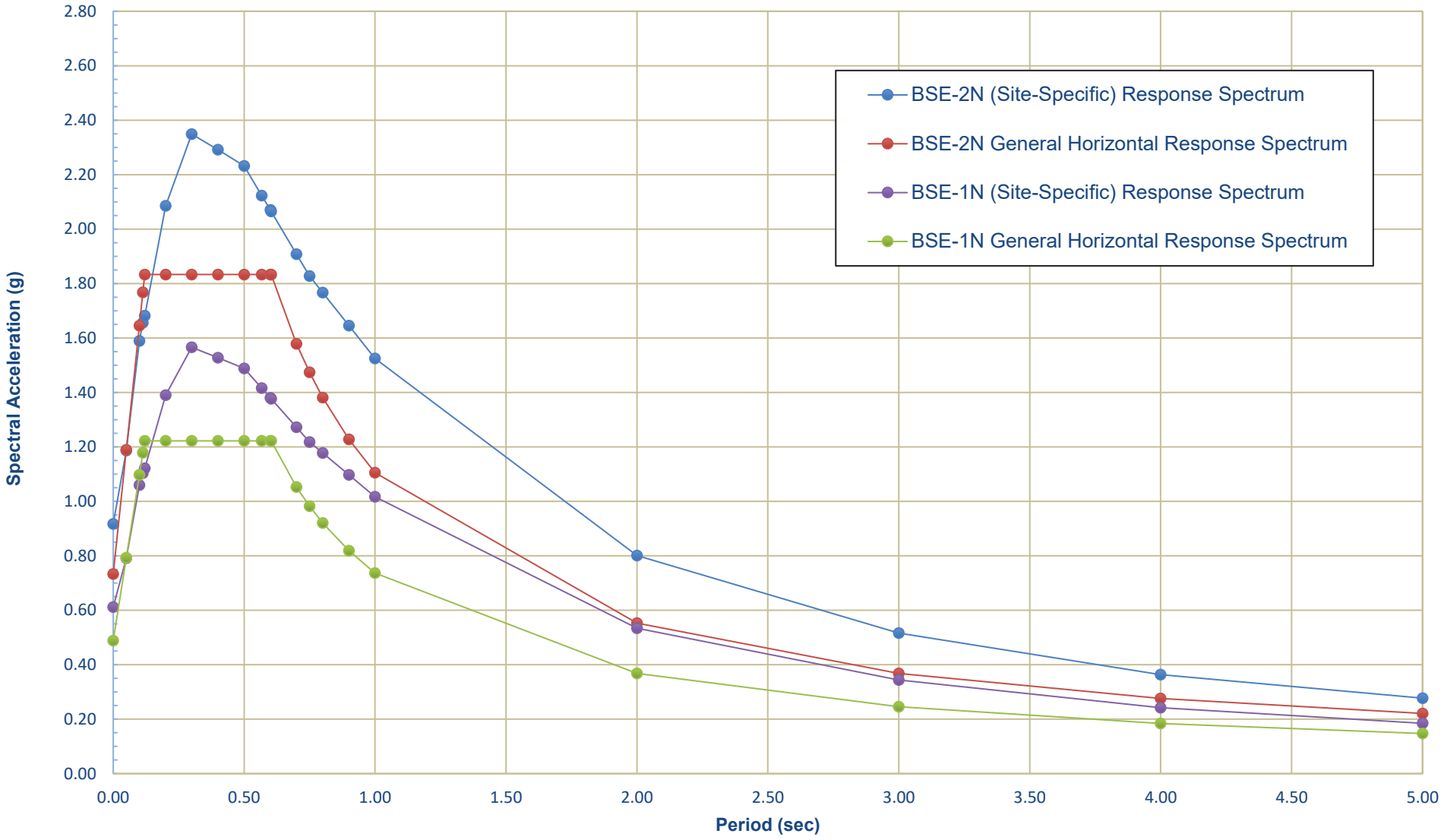


Site-Specific Probabilisitic & Deterministic (MCE_R) Response Spectra @ 5% Damping
per Chapter 21 (ASCE 7-16), Chapter 2 (ASCE 41-17), and 2019 CBC
49th Street Elementary School
Los Angeles, California

GEOTECHNICAL PROFESSIONALS, INC.

Project No. 3077.015I

Figure 4-1

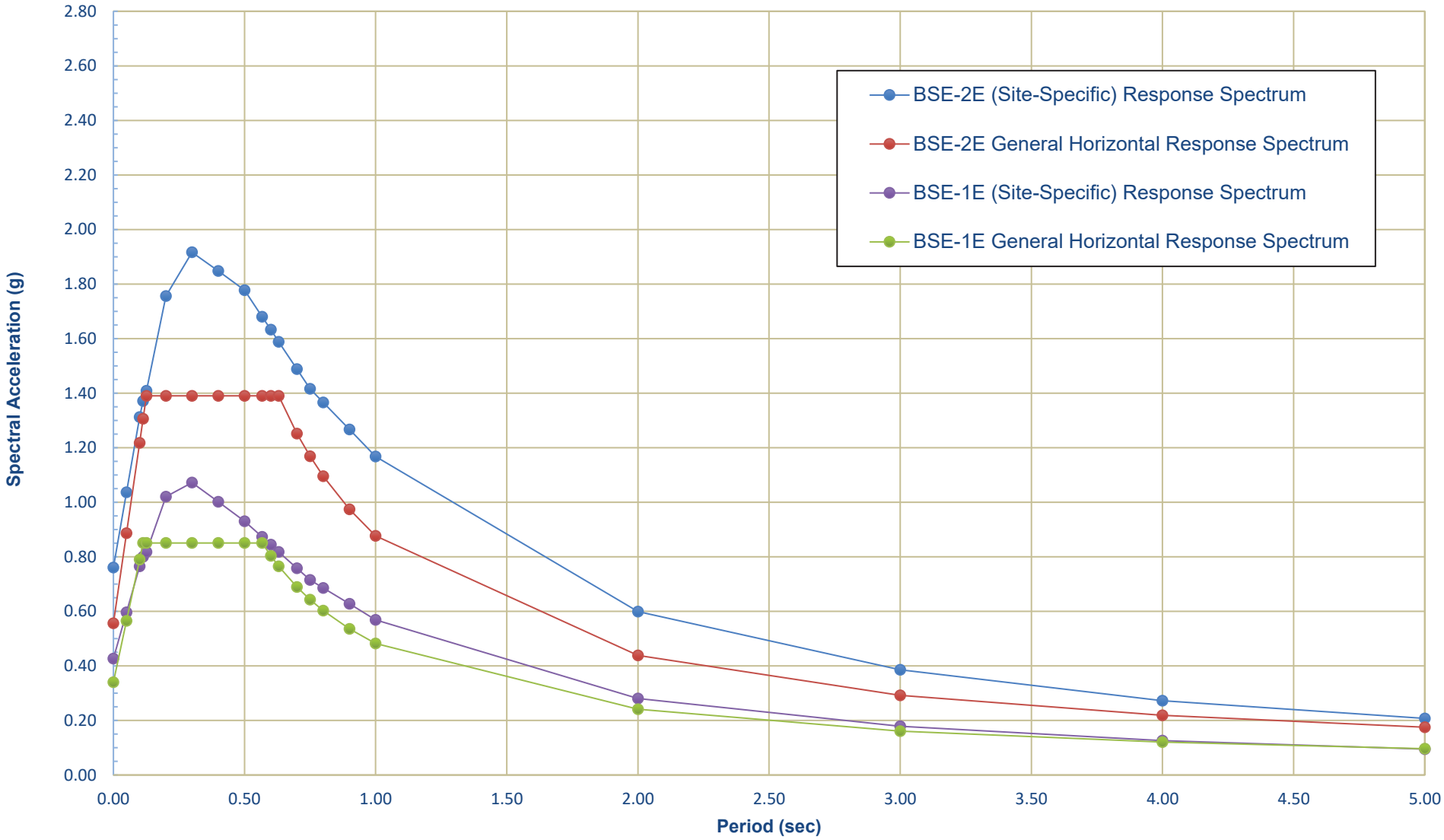


Site-Specific BSE-2N and BSE-1N Response Spectra
per Chapter 21 (ASCE 7-16), Chapter 2 (ASCE 41-17), and 2019 CBC
49th Street Elementary School
Los Angeles, California

GEOTECHNICAL PROFESSIONALS, INC.

Project No. 3077.015I

Figure 4-2

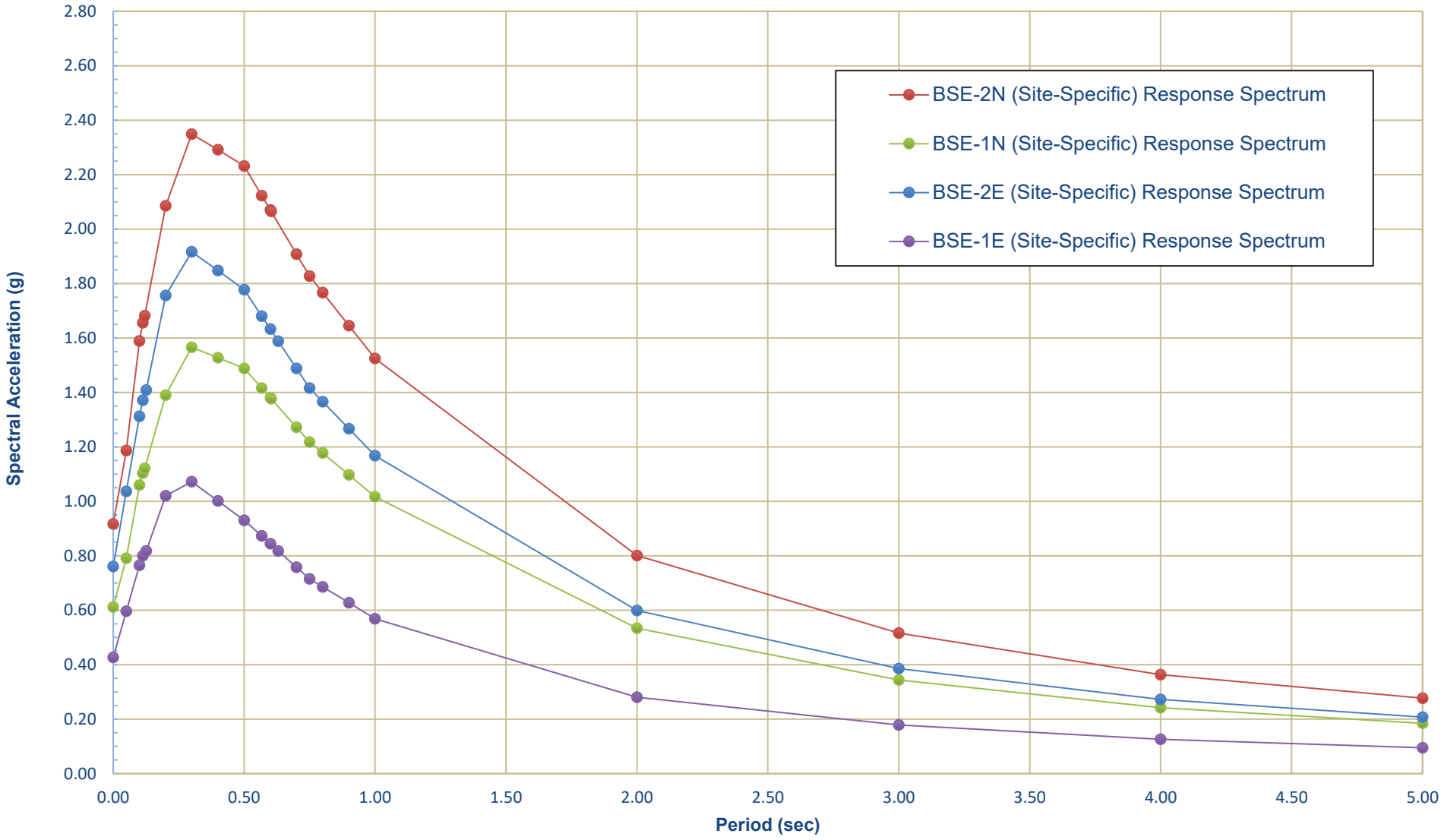


Site-Specific BSE-2E and BSE-1E Response Spectra
per Chapter 21 (ASCE 7-16), Chapter 2 (ASCE 41-17), and 2019 CBC
49th Street Elementary School
Los Angeles, California

GEOTECHNICAL PROFESSIONALS, INC.

Project No. 3077.015I

Figure 4-3



Site-Specific BSE-2N, BSE-1N, BSE-2E, and BSE-1E Response Spectra
per Chapter 21 (ASCE 7-16), Chapter 2 (ASCE 41-17), and 2019 CBC
49th Street Elementary School
Los Angeles, California

GEOTECHNICAL PROFESSIONALS, INC.

Project No. 3077.015I

Figure 4-4

TABLE 1

ASCE 41-17: SITE-SPECIFIC SEISMIC REPONSE WORKSHEET - NEW BUILDINGS

Project	49TH STREET ES
Proj. No.	3077.015I
Latitude	33.9981
Longitude	-118.2621

NGA West2 Attentuation Relationships

1) Abrahamson-et al (2014)
2) Boore-et al (2014)
3) Cambell-Bozorgnia (2014)
4) Chiou-Youngs (2014)

Parameter	per ASCE 41-17
B_1	1.000
Damping, β	5%
T_L (sec)	8.0

BSE-2N	per ASCE 41-17
$S_{s,BSE-2N}$	1.833
$S_{1,BSE-2N}$	0.650
F_a	1.000
F_v	1.700
$S_{XS,BSE-2N}$	1.833
$S_{X1,BSE-2N}$	1.105
$PGA = 0.4S_{XS}$	0.733
Site Class	D
T_o (sec)	0.121
T_s (sec)	0.603

C_{RS}	0.909
C_{R1}	0.904

BSE-1N	per ASCE 41-17
$S_{s,BSE-1N}$	1.222
$S_{1,BSE-1N}$	0.433
F_a	1.000
F_v	1.700
$S_{XS,BSE-1N}$	1.222
$S_{X1,BSE-1N}$	0.737
$PGA = 0.4S_{XS}$	0.489
Site Class	D
T_o (sec)	0.121
T_s (sec)	0.603

SITE-SPECIFIC PARAMETERS

BSE-2N

$S_{XS,BSE-2N}$	2.114
$S_{X1,BSE-2N}$	1.602
PGA_{BSE-2N}	0.917

BSE-1N

$S_{XS,BSE-1N}$	1.409
$S_{X1,BSE-1N}$	1.068
PGA_{BSE-1N}	0.611

1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	11)	12)
Period (sec)	BSE-2N General Hor. Response Spectrum (g)	BSE-1N General Hor. Response Spectrum (g)	Risk Coefficient, C_R	BSE-2N Lower Limit Spectrum (g)	Probabilistic MCE Spectrum (2% in 50 yrs) (g)	Probabilistic MCE_R Spectrum (2% in 50 yrs) w/ C_R (g)	84th Percentile Deterministic Spectrum	2/3 Site Specific MCE_R Spectrum	80% of 2019 CBC Design Spectrum	**Site Specific BSE-2N Response Spectrum**	**Site Specific BSE-1N Response Spectrum**
0.000	0.733	0.489	0.909	0.587	1.009	0.917	1.067	0.611	0.322	**0.917**	**0.611**
0.050	1.189	0.793	0.909	0.952	1.378	1.253	1.187	0.791	0.556	**1.187**	**0.791**
0.100	1.646	1.097	0.909	1.316	1.748	1.589	1.612	1.059	0.722	**1.589**	**1.059**
0.113	1.768	1.179	0.909	1.414	1.821	1.656	1.686	1.104	0.766	**1.656**	**1.104**
0.121	1.833	1.222	0.909	1.467	1.851	1.682	1.722	1.122	0.790	**1.682**	**1.122**
0.200	1.833	1.222	0.909	1.467	2.295	2.086	2.166	1.391	0.978	**2.086**	**1.391**
0.300	1.833	1.222	0.908	1.467	2.586	2.349	2.608	1.566	0.978	**2.349**	**1.566**
0.400	1.833	1.222	0.908	1.467	2.524	2.291	2.743	1.527	0.978	**2.291**	**1.527**
0.500	1.833	1.222	0.907	1.467	2.461	2.232	2.697	1.488	0.978	**2.232**	**1.488**
0.567	1.833	1.222	0.907	1.467	2.342	2.123	2.594	1.416	0.978	**2.123**	**1.416**
0.600	1.833	1.222	0.907	1.467	2.283	2.070	2.544	1.380	0.978	**2.070**	**1.380**
0.603	1.833	1.222	0.906	1.467	2.278	2.065	2.540	1.377	0.978	**2.065**	**1.377**
0.700	1.579	1.053	0.906	1.263	2.106	1.908	2.391	1.272	0.978	**1.908**	**1.272**
0.750	1.474	0.982	0.906	1.179	2.018	1.827	2.315	1.218	0.978	**1.827**	**1.218**
0.800	1.381	0.921	0.905	1.105	1.952	1.767	2.249	1.178	0.978	**1.767**	**1.178**
0.900	1.228	0.819	0.905	0.982	1.819	1.646	2.116	1.097	0.963	**1.646**	**1.097**
1.000	1.105	0.737	0.904	0.884	1.687	1.525	1.984	1.017	0.867	**1.525**	**1.017**
2.000	0.553	0.368	0.904	0.442	0.886	0.801	1.026	0.534	0.433	**0.801**	**0.534**
3.000	0.368	0.246	0.904	0.295	0.571	0.516	0.649	0.344	0.289	**0.516**	**0.344**
4.000	0.276	0.184	0.904	0.221	0.402	0.363	0.430	0.242	0.217	**0.363**	**0.242**
5.000	0.221	0.147	0.904	0.177	0.307	0.277	0.311	0.185	0.173	**0.277**	**0.185**

(DJB 04/28/20; Based Upon ASCE 41-17)

TABLE 1
ASCE 41-17: SITE-SPECIFIC SEISMIC REPONSE WORKSHEET - NEW BUILDINGS

EXPLANATION: NOTES AND REFERENCES

INPUT BLUE ONLY - BLACK/RED CALCULATED

Column Descriptions

01) Periods including To and Ts calculated from Section 11.4.6 (ASCE 7-16)

02) OSHPD, Seismic Design Maps Web Application - General Horizontal Response Spectrum (GHRS): $S_{BSE\text{-}2N}$: per ASCE 41-17, Section 2.4.1.7.1

03) OSHPD, Seismic Design Maps Web Application - General Horizontal Response Spectrum (GHRS): $S_{BSE\text{-}1N}$: per ASCE 41-17, Section 2.4.1.7.1

04) Risk Coefficient, C_R, for 0.2s and 1.0s periods (ASCE 7-16, Section 21.2.1.1); from OSHPD web application

05) Minimum Spectral Amplitude - 80% of GHRS for $S_{BSE\text{-}2N}$ (Column 2); (ASCE 41-13; Section 2.4.2.1.2) - NO LONGER APPLICABLE

06) USGS Unified Hazard Tool (UHT), 2% in 50 years Probabilistic Spectrum; scaled w/ MRC factors per Huang et al (2008); per ASCE 7-16, Section 21.2.1.1

07) USGS UHT, Probabilistic MCE_R Spectrum: Product of 2% in 50yr Spectrum and Risk Coefficient (Col. 4 * Col. 6); (ASCE 7-16, Section 21.2.1.1)

08) PEER Ground Motion Database, 84th Percentile Deterministic Spectrum; controlling fault source (ASCE 7-16; Section 21.2.2)

09) Uncorrected Design Response Spectrum (ASCE 7-16 Sec. 21.3), 2/3 * Lesser of Col. 7 & Greater of Cols. 5 & 8 (not less than 80% PGAM per Sec. 21.5.3)

10) 80% of 2019 CBC Design Spectra (Column 3), (ASCE 7-16, Section 21.3) Lower Limit of the Design Spectrum

11) Site Specific BSE-2N Response Spectrum (ASCE 41-17; Section 2.4.1.1); 1.5 Times Column 12

12) Site Specific BSE-1N Response Spectrum (ASCE 41-17; Section 2.4.1.2); Greater of Columns 9 and 10

T_L = Figure 22-12 ASCE 7-16 (typically 8 sec Southern California)

**Code-based values obtained from OSHPD Web Application: https://seismicmaps.org/

MUST CHECK THAT VALUES EXCEED MINIMUMS

BSE-2N		***BSE-1N***	
Minimum Allowable Value of $S_{XS,BSE\text{-}2N}$:	**2.114**	Minimum Allowable Value of $S_{XS,BSE\text{-}1N}$:	**1.409**
(Maximum of 90% of S_{XS} at any period)		(Maximum of 90% of S_{XS} at any period)	
Minimum Allowable Value of $S_{X1,BSE\text{-}2N}$:	**1.602**	Minimum Allowable Value of $S_{X1,BSE\text{-}1N}$:	**1.068**
(Maximum of $T*S_{XA}$ for periods from 1 to 5 seconds)		(Maximum of $T*S_{XA}$ for periods from 1 to 5 seconds)	

(DJB 04/28/20; Based Upon ASCE 41-17)

TABLE 2
ASCE 41-17: SITE-SPECIFIC SEISMIC REPONSE WORKSHEET - EXISTING BUILDINGS

Project	**49TH STREET ES**
Proj. No.	**3077.015I**
Latitude	**33.9981**
Longitude	**-118.2621**

NGA West2 Attentuation Relationships

1) Abrahamson-et al (2014)
2) Boore-et al (2014)
3) Cambell-Bozorgnia (2014)
4) Chiou-Youngs (2014)

Parameter	per ASCE 41-17
B_1	1.000
Damping, β	5%
T_L (sec)	8.0

BSE-2E	per ASCE 41-17
$S_{s,BSE-2E}$	1.390
$S_{1,BSE-2E}$	0.482
F_a	1.000
F_v	1.818
$S_{XS,BSE-2E}$	1.390
$S_{X1,BSE-2E}$	0.876
PGA = $0.4S_{XS}$	0.556
Site Class	D
T_o (sec)	0.126
T_s (sec)	0.630

C_{RS}	0.889
C_{R1}	0.892

BSE-1E	per ASCE 41-17
$S_{s,BSE-1N}$	0.675
$S_{1,BSE-1N}$	0.224
F_a	1.260
F_v	2.153
$S_{XS,BSE-1E}$	0.851
$S_{X1,BSE-1E}$	0.482
PGA = $0.4S_{XS}$	0.340
Site Class	D
T_o (sec)	0.113
T_s (sec)	0.567

SITE-SPECIFIC PARAMETERS

BSE-2E

$S_{XS,BSE-2E}$	**1.756**
$S_{X1,BSE-2E}$	**1.168**
PGA_{BSE-2E}	**0.760**

BSE-1E

$S_{XS,BSE-1E}$	**1.020**
$S_{X1,BSE-1E}$	**0.569**
PGA_{BSE-1E}	**0.427**

1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	11)	12)
Period (sec)	BSE-2E General Hor. Response Spectrum (g)	BSE-1E General Hor. Response Spectrum (g)	Risk Coefficient C_R	Probabilistic MCE_R Spectrum (2% in 50 yrs) w/ C_R (g)	Spectral Accelerations (5% in 50 yrs) (g)	Spectral Accelerations (20% in 50 yrs) (g)	84th Percentile Deterministic Spectrum	Site Specific BSE-2N Response Spectrum	Site Specific BSE-1N Response Spectrum	**Site Specific BSE-2E Response Spectrum**	**Site Specific BSE-1E Response Spectrum**
0.000	0.556	0.340	0.889	0.917	0.760	0.427	1.067	0.917	0.611	**0.760**	**0.427**
0.050	0.887	0.565	0.889	1.253	1.036	0.596	1.187	1.187	0.791	**1.036**	**0.596**
0.100	1.218	0.790	0.889	1.589	1.312	0.765	1.612	1.589	1.059	**1.312**	**0.765**
0.113	1.306	0.851	0.889	1.656	1.372	0.800	1.686	1.656	1.104	**1.372**	**0.800**
0.126	1.390	0.851	0.889	1.682	1.409	0.818	1.722	1.682	1.122	**1.409**	**0.818**
0.200	1.390	0.851	0.889	2.086	1.756	1.020	2.166	2.086	1.391	**1.756**	**1.020**
0.300	1.390	0.851	0.889	2.349	1.916	1.072	2.608	2.349	1.566	**1.916**	**1.072**
0.400	1.390	0.851	0.890	2.291	1.848	1.002	2.743	2.291	1.527	**1.848**	**1.002**
0.500	1.390	0.851	0.890	2.232	1.777	0.931	2.697	2.232	1.488	**1.777**	**0.931**
0.567	1.390	0.851	0.890	2.123	1.680	0.873	2.594	2.123	1.416	**1.680**	**0.873**
0.600	1.390	0.804	0.891	2.070	1.633	0.844	2.544	2.070	1.380	**1.633**	**0.844**
0.630	1.390	0.765	0.891	2.065	1.589	0.818	2.540	2.065	1.377	**1.589**	**0.818**
0.700	1.252	0.689	0.891	1.908	1.488	0.758	2.391	1.908	1.272	**1.488**	**0.758**
0.750	1.169	0.643	0.891	1.827	1.416	0.715	2.315	1.827	1.218	**1.416**	**0.715**
0.800	1.096	0.603	0.891	1.767	1.366	0.686	2.249	1.767	1.178	**1.366**	**0.686**
0.900	0.974	0.536	0.892	1.646	1.267	0.627	2.116	1.646	1.097	**1.267**	**0.627**
1.000	0.876	0.482	0.892	1.525	1.168	0.569	1.984	1.525	1.017	**1.168**	**0.569**
2.000	0.438	0.241	0.892	0.801	0.600	0.280	1.026	0.801	0.534	**0.600**	**0.280**
3.000	0.292	0.161	0.892	0.516	0.386	0.178	0.649	0.516	0.344	**0.386**	**0.178**
4.000	0.219	0.121	0.892	0.363	0.273	0.126	0.430	0.363	0.242	**0.273**	**0.126**
5.000	0.175	0.096	0.892	0.277	0.208	0.095	0.311	0.277	0.185	**0.208**	**0.095**

(DJB 04/28/20; Based Upon ASCE 41-17)

TABLE 2
ASCE 41-17: SITE-SPECIFIC SEISMIC REPONSE WORKSHEET - EXISTING BUILDINGS

EXPLANATION: NOTES AND REFERENCES

INPUT BLUE ONLY - BLACK/RED CALCULATED

Column Descriptions

01) Periods including To and Ts calculated from Section 11.4.6 (ASCE 7-16)

02) OSHPD, Seismic Design Maps Web Application - General Horizontal Response Spectrum (GHRS): $S_{BSE\text{-}2N}$: per ASCE 41-17, Section 2.4.1.7.1

03) OSHPD, Seismic Design Maps Web Application - General Horizontal Response Spectrum (GHRS): $S_{BSE\text{-}1N}$: per ASCE 41-17, Section 2.4.1.7.1

04) Risk Coefficient, C_R, for 0.2s and 1.0s periods (ASCE 7-16, Section 21.2.1.1); from OSHPD web application

05) USGS UHT, Probabilistic MCE_R Spectrum: Product of 2% in 50yr Spectrum and Risk Coefficient (ASCE 7-16, Section 21.2.1.1); See Column 7 of Table 2

06) USGS Unified Hazard Tool (UHT), 5% in 50 years Probabilistic Spectrum; scaled w/ MRC factors per Huang et al (2008); per ASCE 41-17, Section 21.2.1.1

06) USGS Unified Hazard Tool (UHT), 2% in 50 years Probabilistic Spectrum; scaled w/ MRC factors per Huang et al (2008); per ASCE 7-16, Section 21.2.1.1

08) PEER Ground Motion Database, 84th Percentile Deterministic Spectrum; controlling fault source (ASCE 7-16; Section 21.2.2)

09) Site Specific BSE-2N Response Spectrum (ASCE 41-17; Section 2.4.1.1); See Column 11 of Table 2

10) Site Specific BSE-1N Response Spectrum (ASCE 41-17; Section 2.4.1.2); See Column 12 of Table 2

11) Site Specific BSE-2E Response Spectrum (ASCE 41-17; Section 2.4.1.3); Lesser of Columns 6 and 9

12) Site Specific BSE-1E Response Spectrum (ASCE 41-13; Section 2.4.1.4); Lesser of Columns 7 and 10

T_L = Figure 22-12 ASCE 7-16 (typically 8 sec Southern California)

**Code-based values obtained from OSHPD Web Application: https://seismicmaps.org/

APPENDIX A

APPENDIX A

CONE PENETRATION TESTS

The subsurface conditions were investigated by performing five Cone Penetration Tests (CPT's) at the site. The soundings were advanced to depths of 60 to 64 feet below existing grades. CPT C-2 was initially planned to a depth of 100 feet but was terminated at a depth of 64 feet after refusing on very dense sands. The locations of the CPT's are shown on the Aerial and Existing Site Plans, Figures 2 and 3.

The Cone Penetration Test consists of pushing a cone-tipped probe into the soil deposit while simultaneously recording the cone tip resistance and side friction resistance of the soil to penetration (refer to Figure A-1). The CPT described in this report was conducted in general accordance with ASTM specifications (ASTM D 5778) using an electric cone penetrometer.

The CPT equipment consists of a cone assembly mounted at the end of a series of hollow sounding rods. A set of hydraulic rams is used to push the cone and rods into the soil while a continuous record of cone and friction resistance versus depth is obtained in both analog and digital form at the ground surface. A specially designed truck is used to transport and house the test equipment and to provide a 30-ton reaction to the thrust of the hydraulic rams.

Standard data obtained during a CPT consists of continuous stratigraphic information with close vertical resolution. Stratigraphic interpretation is based on relationships between cone tip resistance and friction resistance. The calculated friction ratio (CPT friction sleeve resistance divided by cone tip resistance) is used as an indicator of soil type. Granular soils typically have low friction ratios and high cone resistance, while cohesive or organic soils have high friction ratios and low cone resistance. These stratigraphic material categories form the basis for all subsequent calculations which utilize the CPT data.

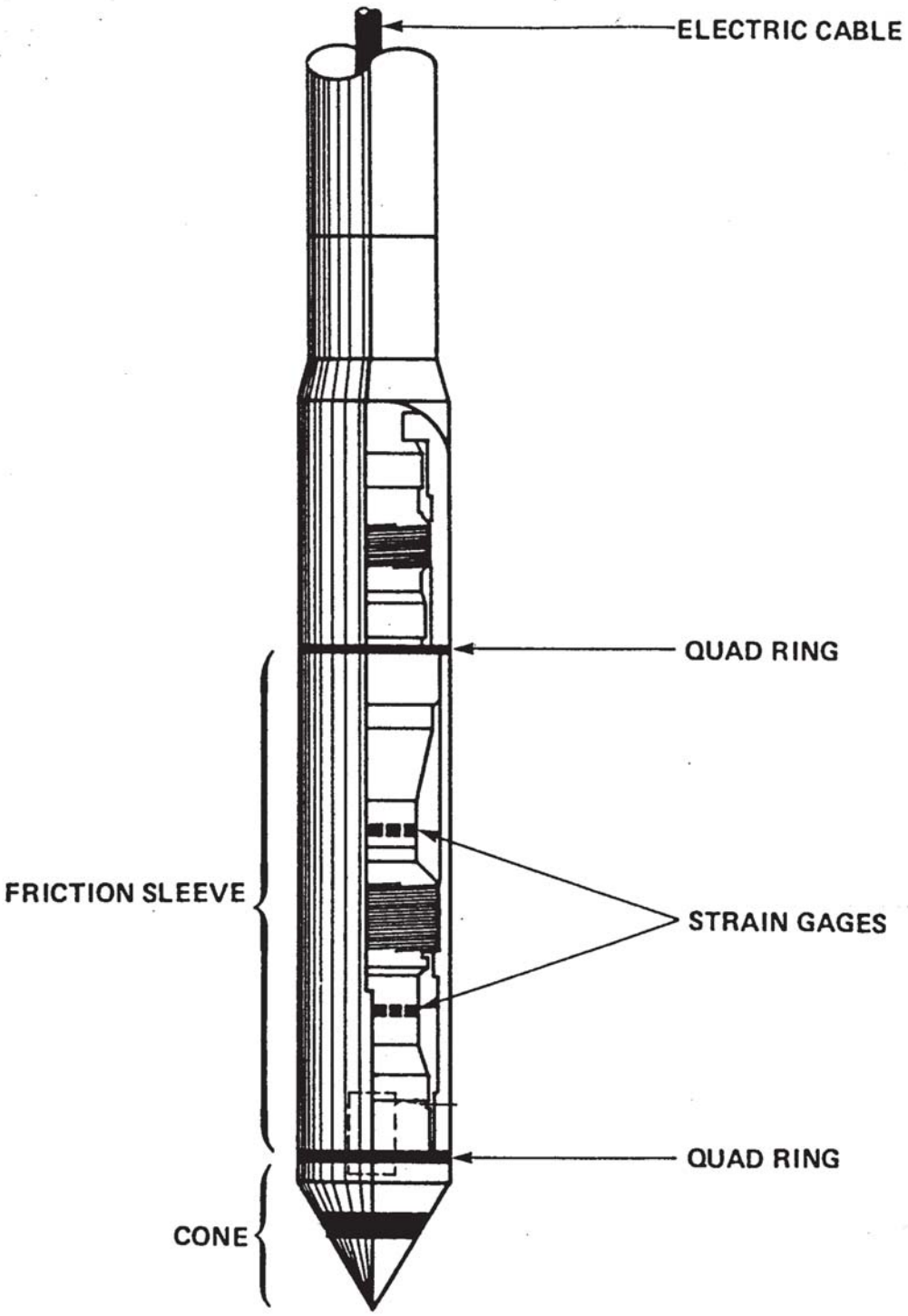
Computer plots of the reduced CPT data acquired for this investigation are presented in Figures A-2 to A-4 of this appendix. The field testing and computer processing was performed by Kehoe Testing and Engineering under subcontract to Geotechnical Professionals Inc. (GPI). The interpreted soil descriptions were prepared by GPI.

In CPT C-2, shear-wave velocity measurements were obtained at approximate 5-foot depth intervals within the 64-foot explored depth. The shear wave source was horizontal impact applied at the ground surface, at a radial distance of about 2 feet from the penetrometer location. A sensor (geophone) located above the tip of the penetrometer at the test depth detected the shear wave signal traveling from the ground surface to the test depth. The shear wave trace versus time was recorded in the field and later analyzed to obtain the arrival times and to calculate the shear wave velocities. The interpreted test data is summarized in the following table:

C-2 SHEAR WAVE VELOCITY MEASUREMENTS

TIP DEPTH (ft)	GEOPHONE DEPTH (ft)	TRAVEL DISTANCE (ft)	S-WAVE ARRIVAL (millisecond)	S-WAVE VELOCITY FROM SURFACE (ft/sec)	INTERVAL S-WAVE VELOCITY (ft/sec)
5.05	4.05	4.52	6.96	649	
10.04	9.04	9.26	15.84	585	534
15.06	14.06	14.2	23.78	597	623
20.05	19.05	19.15	30.52	628	735
25.03	24.03	24.11	37.04	651	760
30.05	29.05	29.12	42.82	680	866
35.04	34.04	34.1	48.92	697	816
40.03	39.03	39.08	54.78	713	850
45.08	44.08	44.13	60.04	735	959
50.07	49.07	49.11	65.08	755	989
55.05	54.05	54.09	70.32	769	950
60.04	59.04	59.07	75.24	785	1014
64.17	63.17	63.2	78.24	808	1376

The CPT locations were laid out in the field by measuring from existing site features. Upon completion, the uncaved portions of the CPT holes were backfilled with bentonite chips. CPT's performed in asphalt or concrete areas were patched with cold-patch asphalt or rapid-set concrete, respectively. Ground surface elevations at the CPT locations were estimated from internet sources and should be considered approximate.



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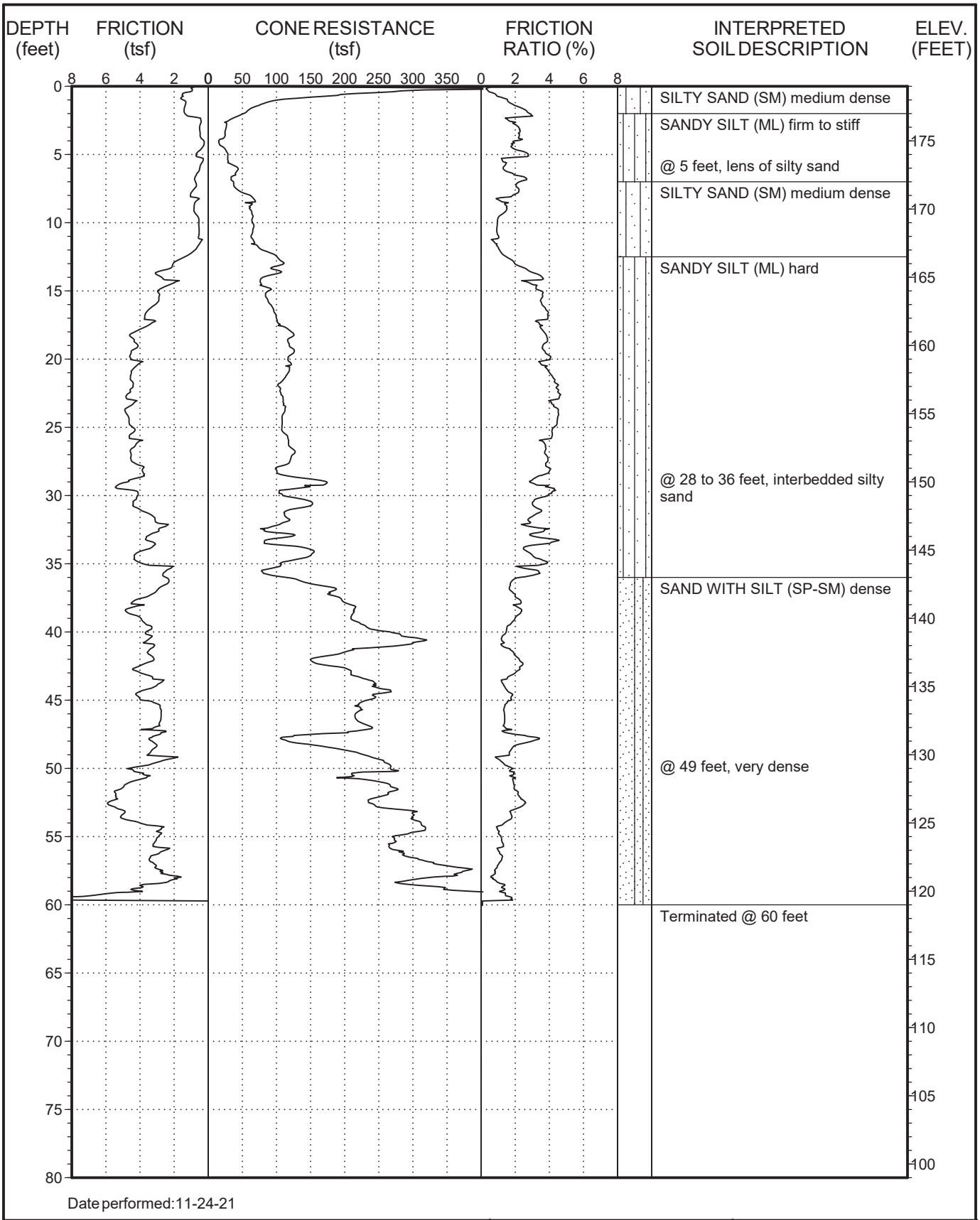
CONE PENETROMETER

FIGURE A-1



Date performed:11-24-21

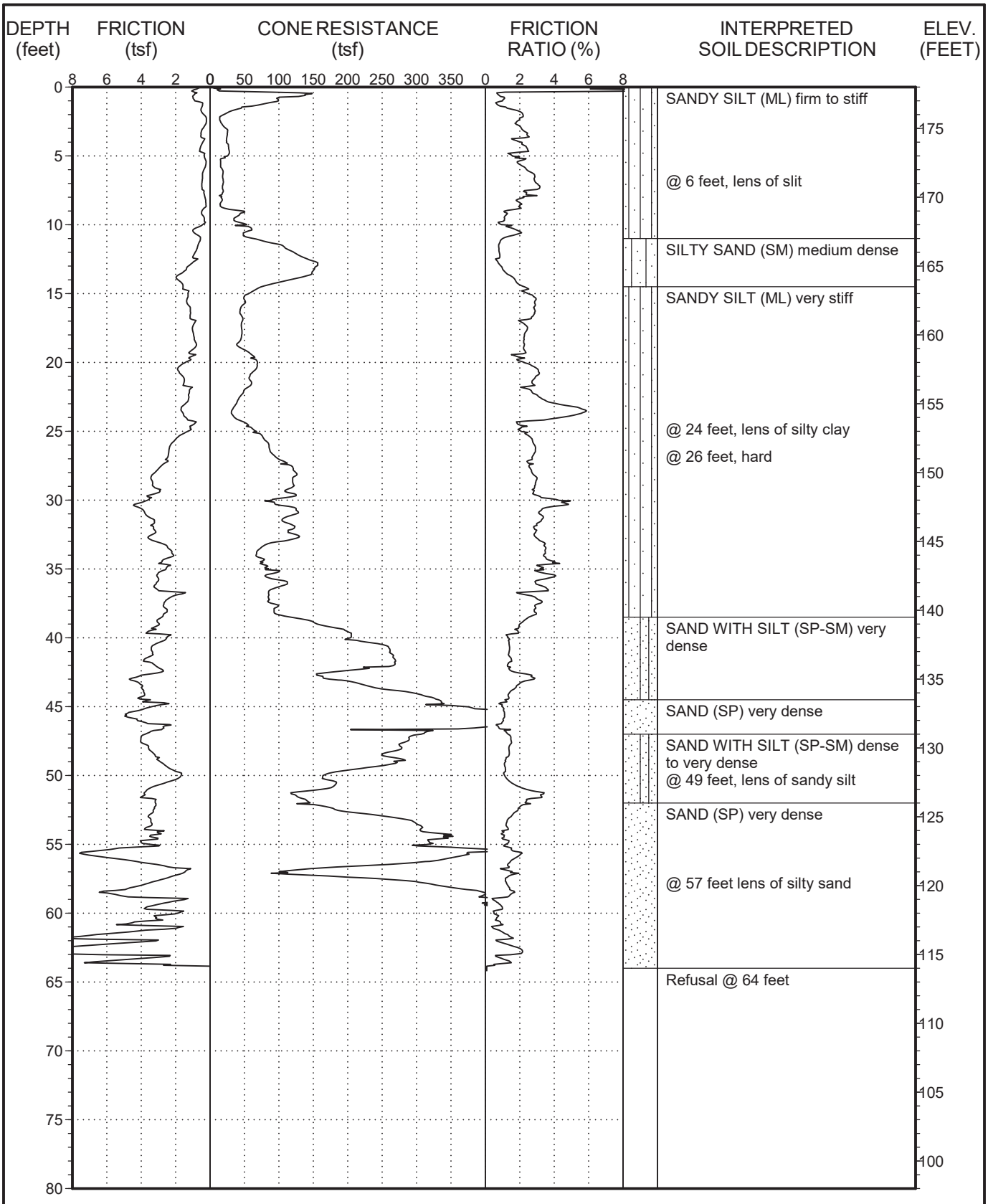
This summary applies only at the location of this cone penetration test and at the time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The interpreted soil description is derived from the friction ratio and cone resistance and is a simplification of actual conditions encountered.

GPI

PROJECT NO.: 3077.015I
49TH STREET ES

LOG OF CPT NO. C-1

FIGURE A-2



Date performed:11-24-21

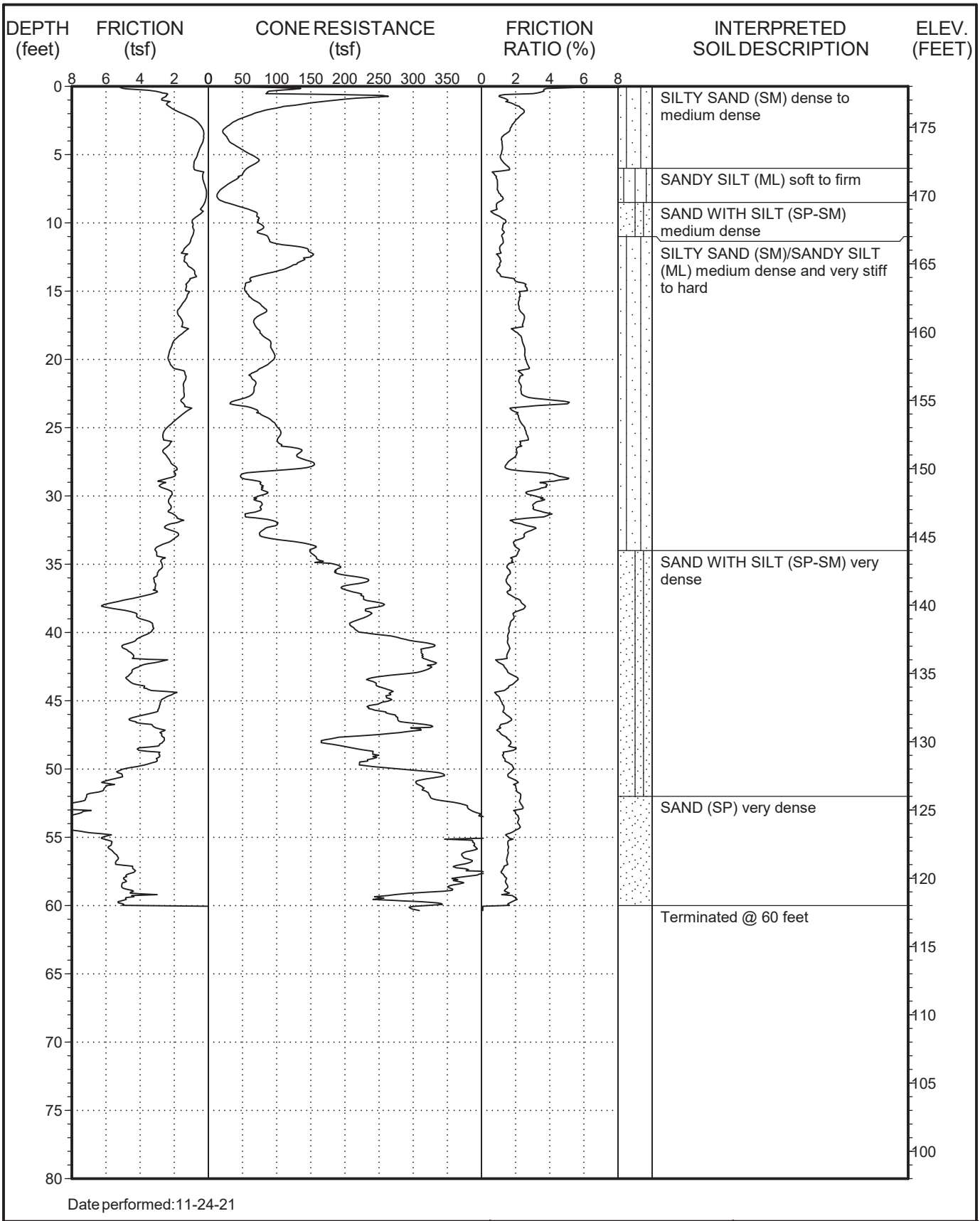
This summary applies only at the location of this cone penetration test and at the time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The interpreted soil description is derived from the friction ratio and cone resistance and is a simplification of actual conditions encountered.

GPI

PROJECT NO.: 3077.015I
49TH STREET ES

LOG OF CPT NO. C-2

FIGURE A-3



Date performed:11-24-21

This summary applies only at the location of this cone penetration test and at the time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The interpreted soil description is derived from the friction ratio and cone resistance and is a simplification of actual conditions encountered.

GPI

PROJECT NO.: 3077.015I
49TH STREET ES

LOG OF CPT NO. C-3

FIGURE A-4

APPENDIX B

APPENDIX B

EXPLORATORY BORINGS

We investigated the subsurface conditions at the site by drilling and sampling six exploratory borings. The borings were advanced to depths ranging from 20 to 81½ feet below the existing ground surface. The locations of the explorations are shown on the Aerial and Existing Site Plans, Figures 2 and 3.

The borings were drilled using hollow-stem auger drill equipment mounted on either a truck or a limited access rig. Relatively undisturbed samples were obtained using a brass-ring lined sampler (ASTM D 3550). The brass-rings have an inside diameter of 2.42 inches. The ring samples were driven into the soil by a 140-pound hammer dropping 30 inches. The number of blows needed to drive the sampler into the soil was recorded as the penetration resistance.

At selected locations, disturbed samples were obtained using a split-spoon sampler by means of the Standard Penetration Test (SPT, ASTM D 6066). The spoon sampler was driven into the soil by a 140-pound hammer dropping 30 inches, employing the “free-fall” hammer described above. After an initial seating drive of 6 inches, the number of blows needed to drive the sampler into the soil a depth of 12 inches was recorded as the penetration resistance. These values are the raw uncorrected blowcounts.

The field explorations for the investigation were performed under the continuous technical supervision of GPI's representative, who visually inspected the site, maintained detailed logs of the borings, classified the soils encountered, and obtained relatively undisturbed samples for examination and laboratory testing. The soils encountered in the borings were classified in the field and through further examination in the laboratory in accordance with the Unified Soils Classification System. Detailed logs of the borings are presented in Figures B-1 to B-6 in this appendix.

The boring locations were laid out in the field by measuring from existing site features. Ground surface elevations at the exploration locations were estimated from internet sources and should be considered approximate.

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	ELEVATION (FEET)
			B	0	2.5-Inch AC over 4-Inch BASE	
					Fill: **SILTY SAND (SM)** brown, slightly moist	
5.2	98	21	D		@ 2 feet, medium dense	
						175
7.9	93	17	D	5	Natural: **SANDY SILT (ML)** light brown, slightly moist to moist, stiff	
13.7	100	15	D		@ 7 feet, brown, moist, stiff, trace porosity	
					SILTY SAND (SM) brown, very moist, medium dense	170
4.8	108	22	D	10		
					SILT (ML) light brown, moist to very moist, very stiff, trace sand and clay	165
13.2	108	72	D	15		
16.6	105					
						160
9.1	106	52	D	20	**SILTY SAND (SM)** brown, moist, dense	
						155
11.9	116	56	D	25	**SANDY SILT (ML)** brown, moist, hard, trace porosity	
						150
16.4	108	85	D	30	@ 30 feet, very moist	
						145
14.3		33	S	35	@ 35 feet, moist to very moist, very stiff	
						140

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 11-23-21

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 3077.015I

49TH STREET ES

LOG OF BORING NO. B-1

FIGURE B-1

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	ELEVATION (FEET)
1.1	103	95/9"	D	40	**SAND WITH SILT (SP-SM)** light brown, dry, very dense, medium to coarse grained	
						135
2.2		69	S	45	@ 45 feet, dry to slightly moist	
						130
2.6	110	93/9"	D	50	@ 50 feet, with gravel	
						125
1.9		82	S	55		
						120
4.9	95	50/5"	D	60	@ 60 feet, slightly moist	
						115
1.4		79	S	65	@ 65 feet, dry, with cobble fragments	
						110
18.0	117	90/11"	D	70	**SILT (ML)** brown, very moist, hard	
4.1	133				**SAND WITH SILT (SP-SM)** light brown, slightly moist, very dense	
						105
3.8		50/6"	S	75	@ 75 feet, slightly moist	
						100

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 11-23-21

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 3077.015I

49TH STREET ES

LOG OF BORING NO. B-1

FIGURE B-1

	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS*	ELEVATION (FEET)
						This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
			50/4"	S	80	**SAND WITH SILT (SP-SM)** light brown, slightly moist, very dense	
						Total Depth 81.5 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 11-23-21

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 3077.015I

49TH STREET ES

LOG OF BORING NO. B-1

FIGURE B-1

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS	ELEVATION (FEET)
				0	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
					4-Inch AC over 3-Inch BASE	
					Fill: **SILTY SAND (SM)** brown, slightly moist, medium dense	
3.0	94	17	D		@ 3 feet, dry to slightly moist	175
				5		
2.4	99	22	D		Natural: **SILTY SAND (SM)** light brown, slightly moist, medium dense	
10.3	92				**SANDY SILT (ML)** light brown, moist, stiff	170
4.4	101	25	D		**SILTY SAND (SM)** light brown, slightly moist, medium dense	
				10		
					SANDY SILT (ML) brown, moist, stiff	
13.7	94	28	D		@ 14 feet, moist	165
				15		
7.5	104	40	D		@ 19 feet, slightly moist	160
				20	Total Depth 20 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 11-24-21

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

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49TH STREET ES

LOG OF BORING NO. B-2

FIGURE B-2

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS	ELEVATION (FEET)
				0	2.5-Inch AC over 3-Inch BASE	
11.0	94	25	D		Fill: **SANDY SILT (ML)** brown, moist, very stiff, with brick fragments	175
15.2	82	19	D	5	@ 5 feet, stiff, trace brick	
20.6	85	24	D		Natural: **SILT (ML)** brown, wet, very stiff, trace clay, with sand	170
5.6	96	30	D	10	**SILTY SAND (SM)** light brown, slightly moist, medium dense	165
12.8	94	23	D	15	**SANDY SILT (ML)** brown, moist, stiff to very stiff	160
10.9	102	22	D	20		
					Total Depth 21 feet	

This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 11-24-21

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 3077.015I

49TH STREET ES

LOG OF BORING NO. B-3

FIGURE B-3

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS	ELEVATION (FEET)
				0	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
					2-Inch AC over 3.5-Inch BASE	
					Fill: **SANDY SILT (ML)** brown, moist, medium dense	175
8.5	87	22	D		@ 3 feet, slightly moist	
				5		
8.2	95	14	D		Natural: **SANDY SILT (ML)** brown, moist, firm to stiff	170
2.2	95	26	D		**SAND WITH SILT (SP-SM)** light brown, dry to slightly moist, medium dense	
				10		165
5.9	101	28	D		@ 14 feet, slightly moist	
9.5	97			15	**SANDY SILT (ML)** brown, slightly moist to moist, very stiff	160
11.4	99	29	D		@ 19 feet, moist	
				20		155
10.1	104	42	D			
				25		150
15.5	105	72	D		@ 20 feet, very moist, hard, trace clay	
				30	Total Depth 30 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 11-24-21

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

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49TH STREET ES

LOG OF BORING NO. B-4

FIGURE B-4

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	*DESCRIPTION OF SUBSURFACE MATERIALS* This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	ELEVATION (FEET)
			B	0	4.5-AC over 6-BASE	
					Fill: **SILTY SAND (SM)** brown, slightly moist	
9.2	97	18	D		@ 2 feet, loose to medium dense	175
8.9	91	16	D	5	Natural: **SILTY SAND (SM)** brown, mois, loose to medium dense	
2.6	94	24	D		**SAND (SP)** light brown, dry to slightly moist, medium dense	170
2.1	94	28	D	10		165
10.5	113	33	D	15	**SILTY SAND (SM)** brown, moist, medium dense	160
8.1	104	43	D	20		155
6.5	96	65	D	25	**SAND WITH SILT(SP-SM)** light brown, slightly moist, dense	150
15.6	106	82/11"	D	30	**SILTY SAND (SM)** brown, very moist, very dense	145
3.5		40	S	35	**SAND WITH SILT (SP-SM)** light brown, slightly moist, dense	140

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 11-23-21

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

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49TH STREET ES

LOG OF BORING NO. B-5

FIGURE B-5

	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS	ELEVATION (FEET)
					40	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
	3.3	93	50/6"	D		**SAND WITH SILT (SP-SM)** light brown, slightly moist, very dense	
							135
	2.4		72	S	45	@ 45 feet, dry to slightly moist	
							130
	2.6	103	50/6"	D	50		
							125
	2.3		80	S	55		
							120
	4.8	89	50/6"	D	60	@ 60 feet, slightly moist	
							115
	12.4		58	S	65	@ 65 feet, very moist, lens of sandy silt	
							110
	5.4	102	50/6"	D	70	@ 70 feet, brown, slightly moist	
							105
	4.0		50/5"	S	75	@ 75 feet, with gravel	
							100

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 11-23-21

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

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49TH STREET ES

LOG OF BORING NO. B-5

FIGURE B-5

	MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	ELEVATION (FEET)
	2.1	121	50/5"	D	80	@ 80 feet, dry, trace cobbles, with gravel	
						Total Depth 81 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 11-23-21

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

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49TH STREET ES

LOG OF BORING NO. B-5

FIGURE B-5

MOISTURE (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FOOT)	SAMPLE TYPE	DEPTH (FEET)	DESCRIPTION OF SUBSURFACE MATERIALS	ELEVATION (FEET)
				0	This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplification of actual conditions encountered.	
					2.5-Inch AC over 4-Inch BASE	175
					Fill: **SANDY SILT (ML)** brown, slightly moist, stiff	
6.0	89	15	D	5		
1.5	83	17	D		Natural: **SILTY SAND (SM)** light brown, dry, medium dense	170
1.4	107	22	D	10	**SANDY SILT (ML)** brown, moist, stiff to very stiff	
11.8	97					165
9.6	98	23	D	15	@ 14 feet, slightly moist to moist	160
7.2	104	40	D	20	@ 19 feet, slightly moist, very stiff	
					Total Depth 20 feet	

SAMPLE TYPES
- C Rock Core
- S Standard Split Spoon
- D Drive Sample
- B Bulk Sample
- T Tube Sample

DATE DRILLED: 11-24-21

EQUIPMENT USED: 8 " Hollow Stem Auger

GROUNDWATER LEVEL (ft): Not Encountered

GPI

PROJECT NO.: 3077.015I

49TH STREET ES

LOG OF BORING NO. B-6

FIGURE B-6

APPENDIX C

APPENDIX C

LABORATORY TESTS

INTRODUCTION

Representative undisturbed soil samples and bulk samples were carefully packaged in the field and sealed to prevent moisture loss. The samples were then transported to our Cypress office for examination and testing assignments. Laboratory tests were performed on selected representative samples as an aid in classifying the soils and to evaluate the physical properties of the soils affecting foundation design and construction procedures. Detailed descriptions of the laboratory tests are presented below under the appropriate test headings. Test results are presented in the figures that follow.

MOISTURE CONTENT AND DRY DENSITY

Moisture content and dry density was determined from a number of the samples. The samples were weighed to determine the wet weight and then were dried in accordance with ASTM D 2216. After drying, the weight of each sample was measured, and moisture content was calculated. Moisture content values are presented on the boring logs in Appendix B.

ATTERBERG LIMITS

Liquid and plastic limits were determined for select samples in accordance with ASTM D4318. The results of the Atterberg Limits tests are presented in Figure C-1.

GRAIN SIZE DISTRIBUTION

Select soil samples were dried, weighed, soaked in water until individual soil particles were separated, and then washed on the No. 200 sieve. That portion of the material retained on the No. 200 sieve was oven-dried and weighed to determine the percentage of the material passing the No. 200 sieve. A summary of the percentages passing the No. 200 sieve is presented below.

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION	PERCENT PASSING No. 200 SIEVE
B-1	0 – 5	Silty Sand (SM)	36
B-1	7	Sandy Silt (ML)	58
B-1	25	Sandy Silt (ML)	53
B-2	3	Silty Sand (SM)	41
B-2	6½	Sandy Silt (ML)	63
B-3	7	Silt (ML) with Sand	77
B-4	9	Sand with Silt (SP-SM)	6

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION	PERCENT PASSING No. 200 SIEVE
B-5	0 – 5	Silty Sand (SM)	44
B-5	7	Sand (SP)	3
B-5	15	Silty Sand (SM)	46
B-6	9	Sandy Silt (ML)	64

DIRECT SHEAR

Direct shear tests were performed on select undisturbed and remolded bulk samples in accordance with ASTM D3080. Tests were performed on relatively undisturbed samples and samples remolded to 90 percent relative compaction. The sample was placed in the shear machine, and pre-selected normal loads were applied. The sample was submerged, allowed to consolidate, and then was sheared to failure. Shear stress and sample deformation were monitored throughout the test. The results of the direct shear test are presented in Figures C-2 to C-4.

CONSOLIDATION

One-dimensional consolidation testing was performed on selected undisturbed samples in accordance with ASTM D 2435. After trimming the ends, the samples were placed in the consolidometer and loaded to 0.4 ksf. Thereafter, the samples were incrementally loaded to a maximum load of 25.6 ksf. The samples were inundated at 1.6 ksf. Sample deformation was measured to 0.0001 inch. Rebound behavior was investigated by unloading the samples back to 0.4 ksf. Results of the consolidation tests, in the form of percent consolidation versus log pressure, are presented in Figures C-5 and C-6.

EXPANSION INDEX

Expansion index tests were performed on select bulk samples. The test was performed in accordance with ASTM 4829, to assess the expansion potential of on-site soils. The results of the test are summarized below:

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION	EXPANSION INDEX
B-1	0 – 5	Silty Sand (SM)	0

COMPACTION TEST

Maximum dry density/optimum moisture tests were performed in accordance with ASTM D1557 on representative bulk samples of the surficial soils. The test results are as follows.

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION	OPTIMUM MOISTURE (%)	MAXIMUM DRY DENSITY (pcf)
B-1	0 – 5	Silty Sand (SM)	11.0	123

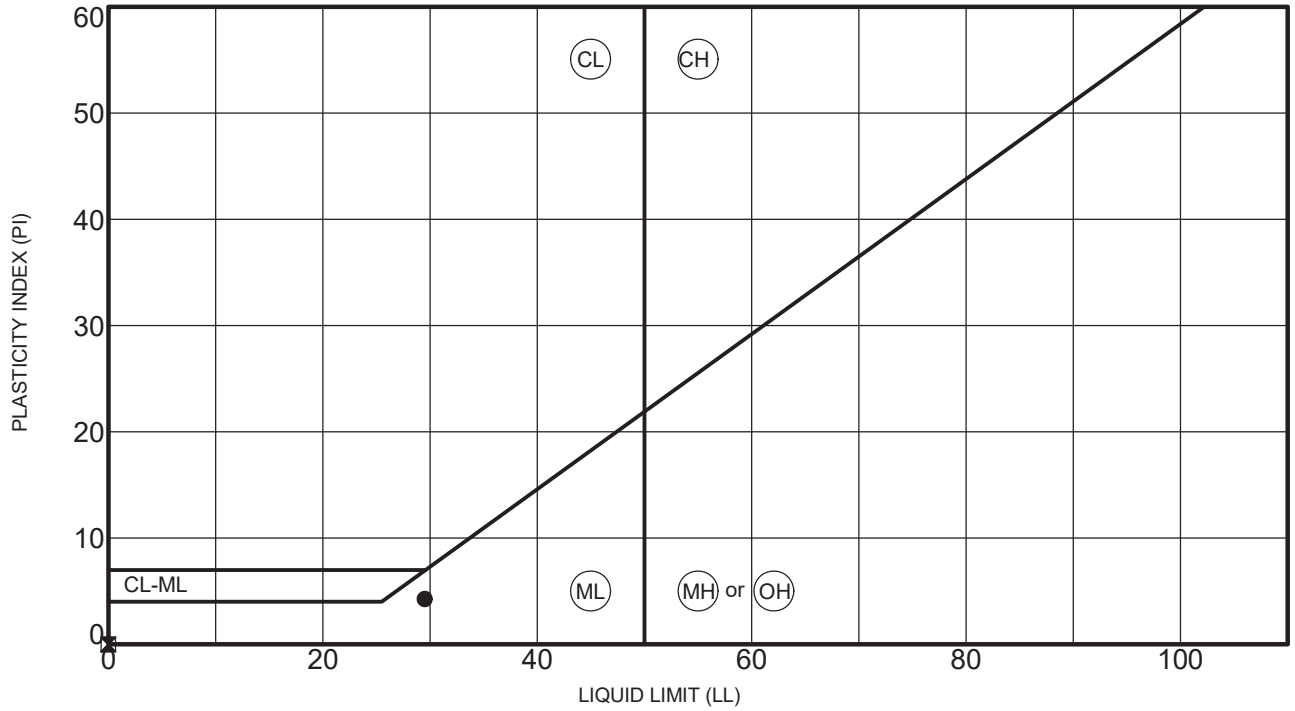
R-VALUE

Suitability of the near-surface soils for pavement was evaluated by conducting an R-value test. The test was performed in accordance with ASTM D 2844 by GeoLogic Associates (GLA) under subcontract to GPI. The result of the test is as follows:

BORING NO.	DEPTH (ft)	SOIL DESCRIPTION	R-VALUE BY EXPANSION
B-5	0 – 5	Silty Sand (SM)	63

CORROSIVITY

Soil corrosivity testing was performed by HDR on selected soil samples provided by GPI. The test results are summarized in the Table 1 attached to this Appendix.



	SAMPLE LOCATION		LL	PL	PI	Fines, %	Classification
●	B-1	15.0	30	25	4		SILT (ML)
⊠	B-6	3.0	NP	NP	NP		SANDY SILT (ML)

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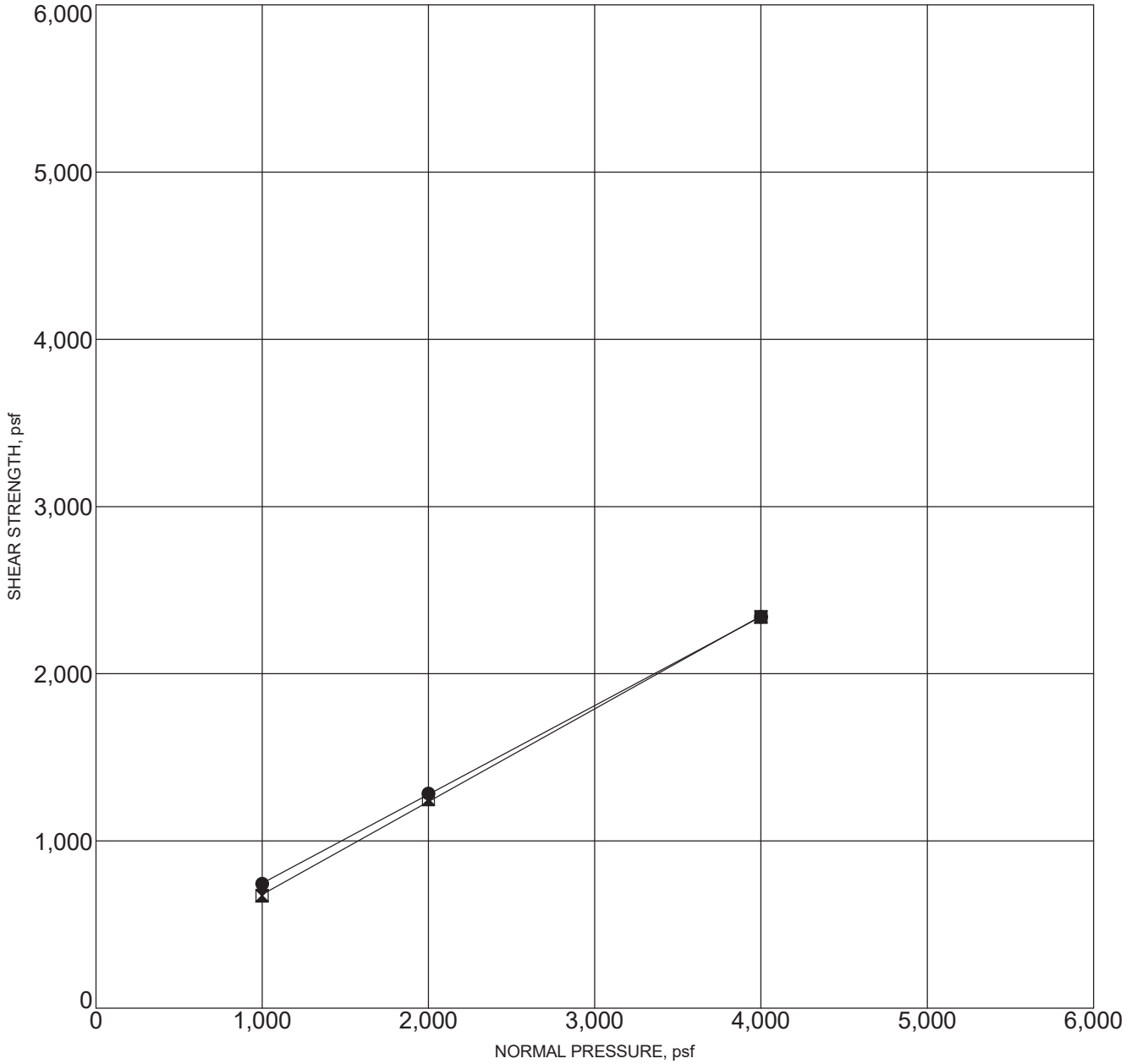
ATTERBERG LIMITS TEST RESULTS

FIGURE C-1



● **PEAK STRENGTH**
Friction Angle= 28 degrees
Cohesion= 216 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 29 degrees
Cohesion= 126 psf

Note: Samples remolded to 90% of maximum dry density.

Sample Location		Classification	DD,pcf	MC,%
B-1	0-5	SILTY SAND (SM)	111	11.0

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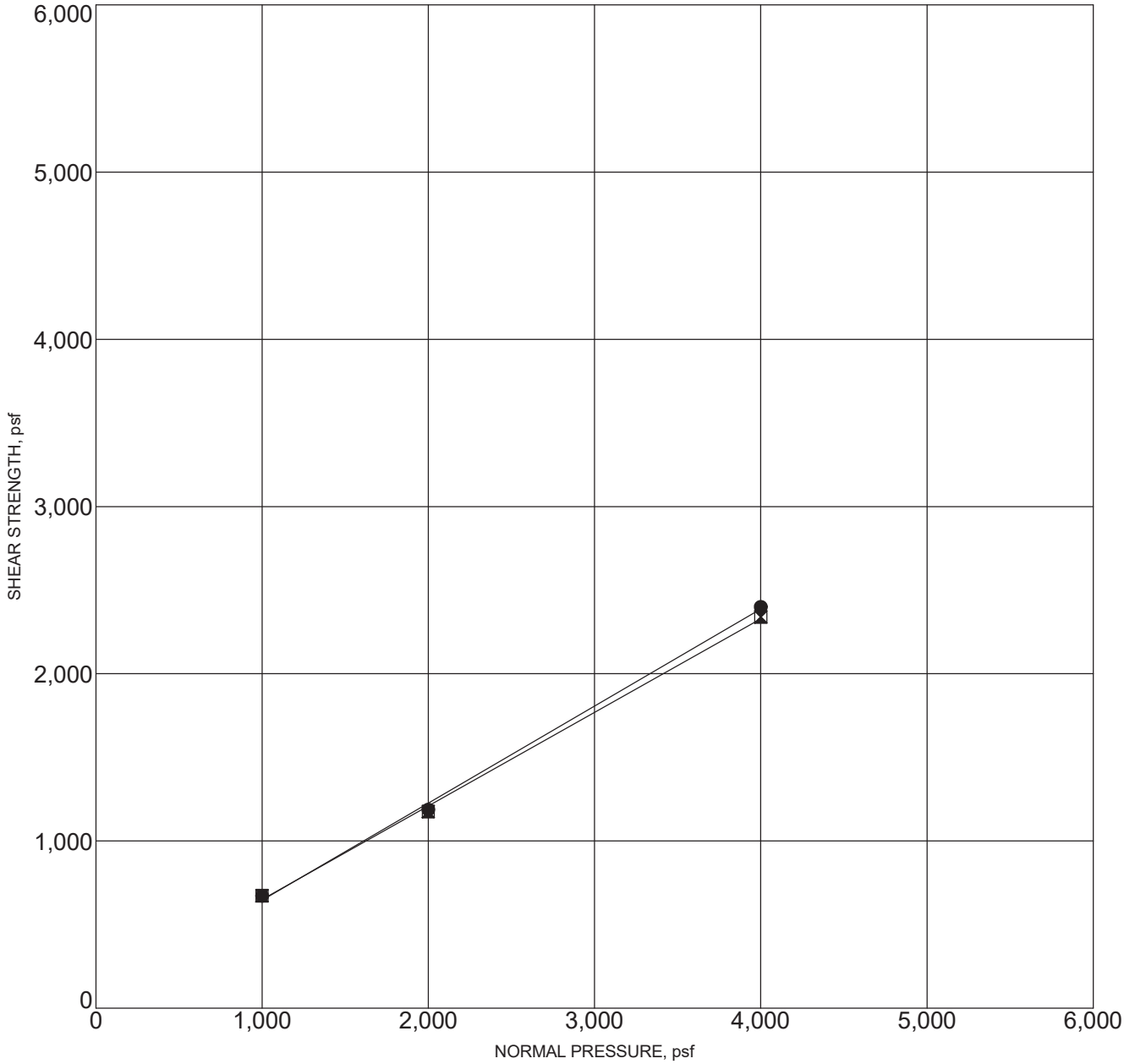
DIRECT SHEAR TEST RESULTS

FIGURE C-2



● **PEAK STRENGTH**
Friction Angle= 30 degrees
Cohesion= 66 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 29 degrees
Cohesion= 90 psf

Sample Location		Classification	DD,pcf	MC,%
B-2	9.0	SILTY SAND (SM)	101	4.4

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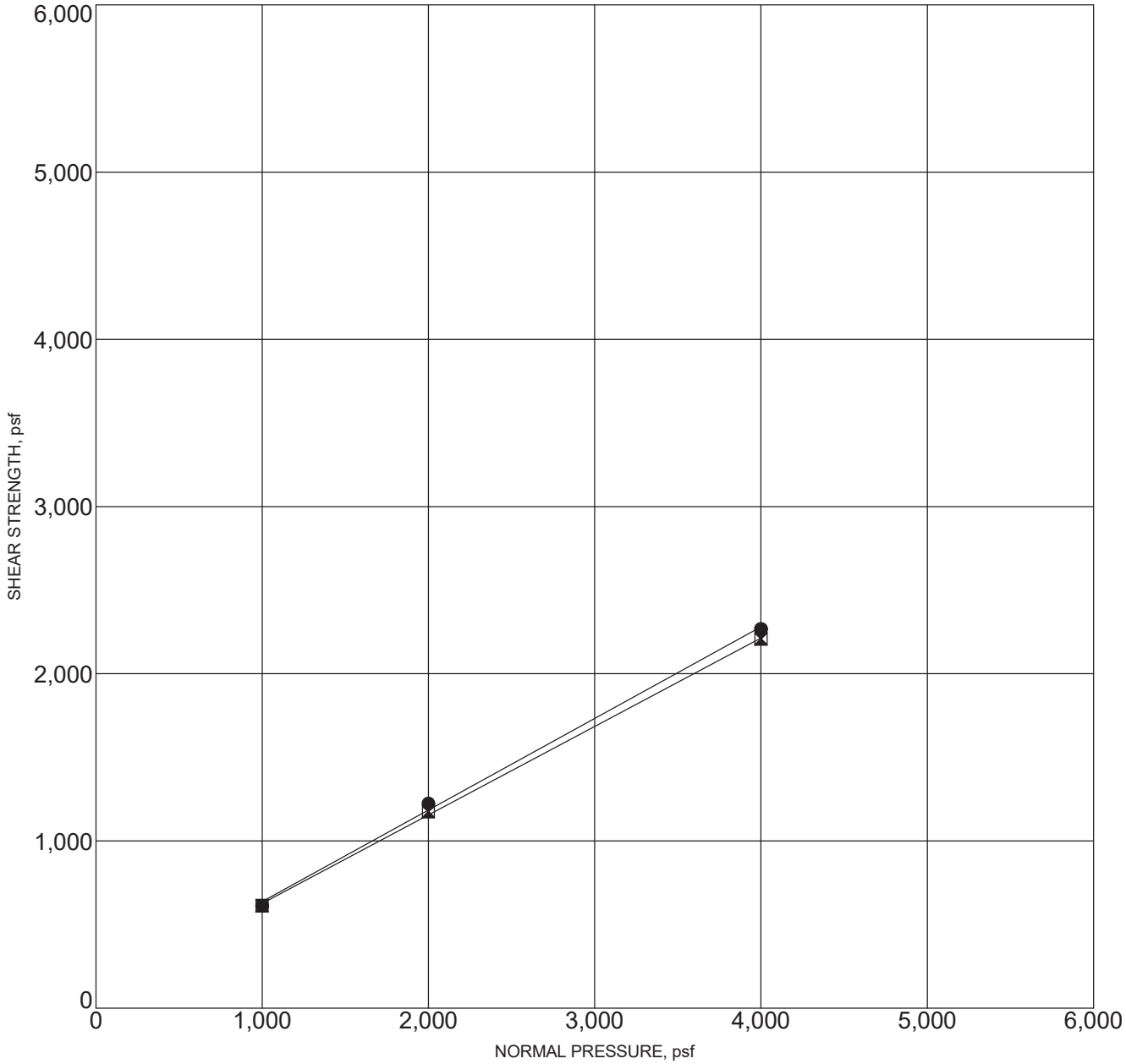
DIRECT SHEAR TEST RESULTS

FIGURE C-3



● **PEAK STRENGTH**
Friction Angle= 29 degrees
Cohesion= 90 psf

⧓ **ULTIMATE STRENGTH**
Friction Angle= 28 degrees
Cohesion= 96 psf

Sample Location		Classification	DD,pcf	MC,%
B-4	6.0	SANDY SILT (ML)	95	8.2

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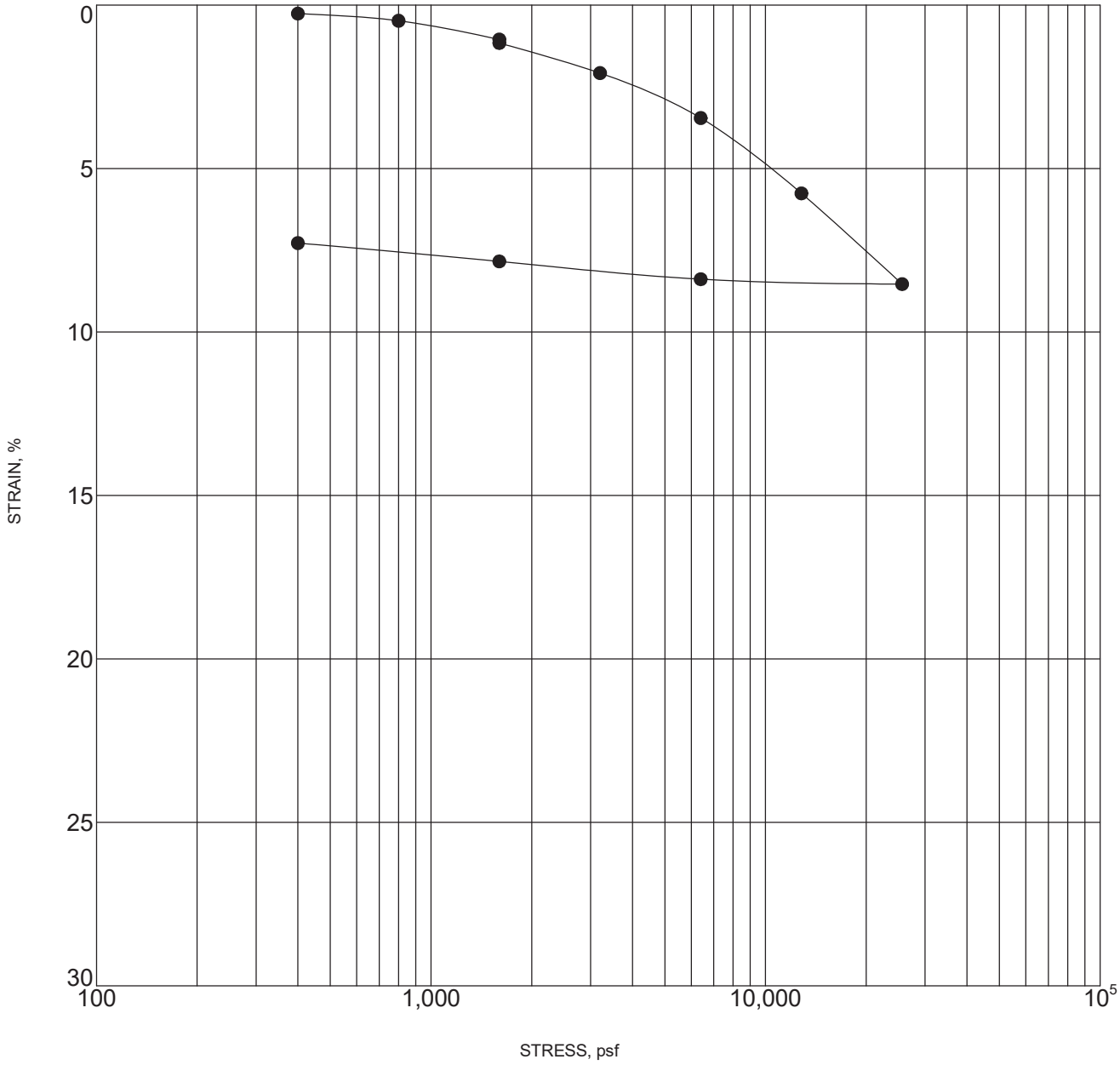
DIRECT SHEAR TEST RESULTS

FIGURE C-4



Sample inundated at 1600 psf

	Sample Location		Classification	DD,pcf	MC,%
●	B-3	15.0	SANDY SILT (ML)	94	12.8

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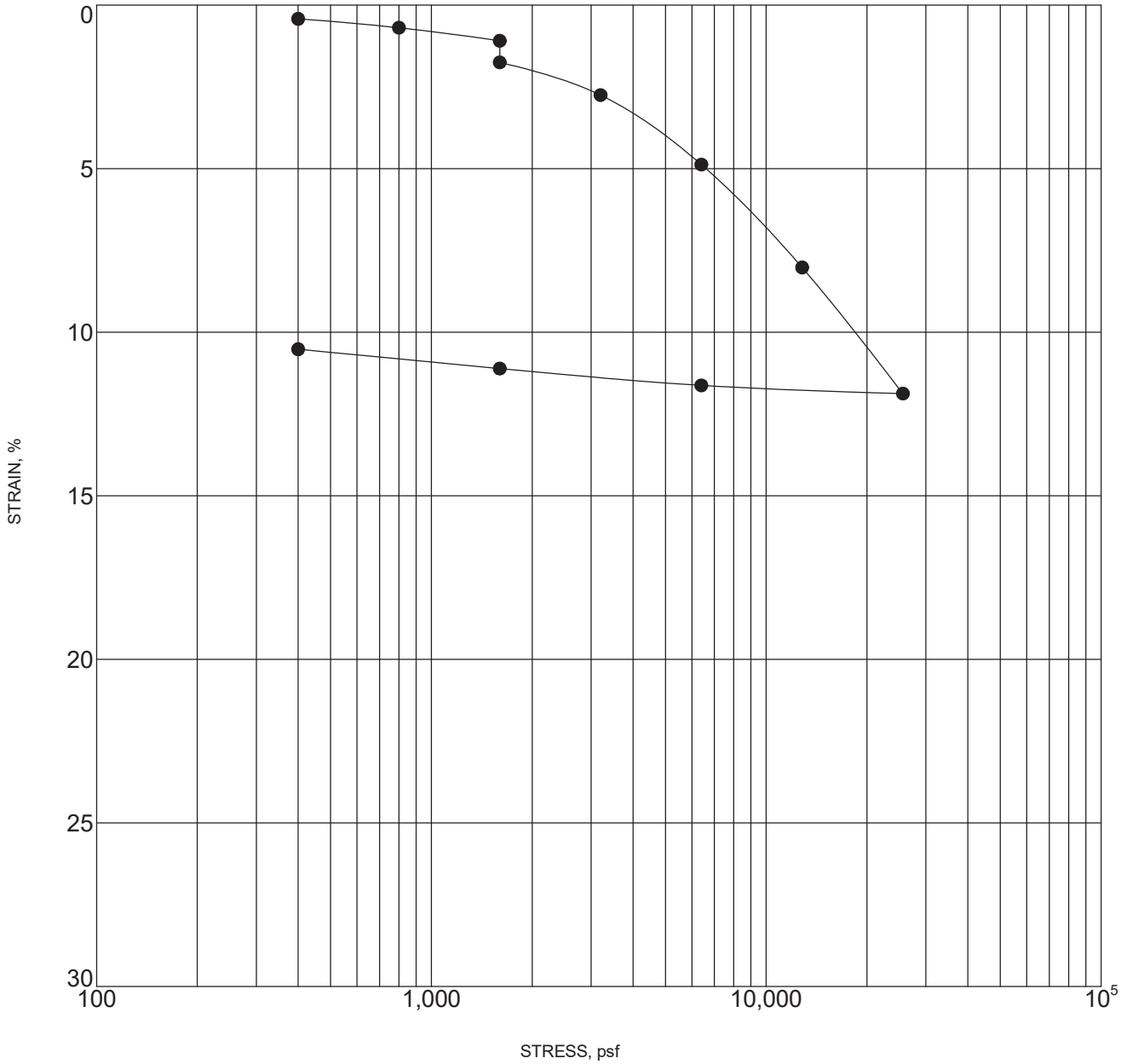
CONSOLIDATION TEST RESULTS

FIGURE C-5



Sample inundated at 1600 psf

	Sample Location		Classification	DD,pcf	MC,%
●	B-4	19.0	SANDY SILT (ML)	99	11.4

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CONSOLIDATION TEST RESULTS

FIGURE C-6

APPENDIX D

APPENDIX D

GEOLOGIC-SEISMIC HAZARD EVALUATION

INTRODUCTION

This geologic and seismic assessment presents a summary of geologic and seismic conditions at 49th Street Elementary School located at 750 E. 49th Street in Los Angeles, California. The purpose of this assessment was to identify and evaluate geologic constraints, which are likely to be factors with respect to the proposed comprehensive modernization. In order to accomplish this objective, the following scope of services was performed:

- Research and review of available published and unpublished geologic literature and maps pertaining to the site and vicinity (see References), as well as subsurface exploration data from our recent investigation.

- Geologic analysis of the reviewed information.

- Preparation of this assessment report, which includes a summary of the researched information and a discussion of the possible geologic-seismic hazards that may affect the subject site and the proposed construction.

SITE CONDITIONS

The subject school site is approximately 5¾ acres and is located in an older residential neighborhood of the South Park area of Los Angeles. Site topography at the school is relatively flat, with ground surface elevations ranging from approximately +178 feet to +174 feet across the site. Within the vicinity of the site, the ground surface slopes down very gradually to the southwest (inclination of less than 1 percent).

The proposed major modernization of the existing school campus will include construction of new buildings as wells as modernization of two existing buildings (Auditorium and West Building). Because the project is at an early stage, specific details on the extent and locations of the planned improvements or modifications are limited. Based on the limited information provided, we understand the new buildings may include subterranean levels and additional site improvements may include site walls, retaining walls, minor structures, stormwater management systems, pedestrian hardscape, and vehicular pavement.

REGIONAL AND LOCAL GEOLOGIC SETTING

Regional Geology

The proposed school site is located in the Central Block of a regional geologic structure termed the Los Angeles Basin, a northeast-trending structural basin filled with Tertiary age marine sedimentary rocks mantled by Recent and Pleistocene age non-marine

alluvial sediments deposited by washes and streams flowing southward from the San Gabriel Mountains, Elysian Hills, and Repetto Hills to the north.

In the area of the site, the marine deposits are overlain by approximately 150 to 200 feet of Quaternary alluvium, including approximately 20 feet of Holocene alluvium, underlain by Pleistocene alluvium. The Holocene alluvium consists of loose to dense sands, silty sands, and silts. The Pleistocene alluvium consists of moderately to well consolidated, gravel, sand, silt, and clay (Department of Water Resources, 1961).

The nearest active faults and related geologic structures to the site are the Puente Hills Blind Thrust and Newport-Inglewood Zone of deformation, both considered active fault zones. Deformation and uplift along the Newport-Inglewood fault zone has resulted in a northwest trending series of hills, including Signal Hill and the Dominguez Hills to the southeast of the site, and the Baldwin Hills to the west and northwest of the site. Based on published maps and the USGS Source Parameter website (see References), the site is approximately 0.6 and 7.9 kilometers from the closest known traces of the Puente Hills Blind Thrust and Newport-Inglewood fault, respectively (see Table 1).

Regionally the site is located near the border between two of California's geomorphic provinces, the Transverse ranges to the north and the Peninsular Ranges to the south. The Transverse Ranges are characterized by east-west trending mountain ranges, including the Santa Monica and San Gabriel Mountains, that are oriented oblique to the trend of the other major structural trends in California, including the San Andreas Fault, Sierra Nevada Mountains, and other mountain ranges in Southern California, which trend northwesterly.

The Peninsular Ranges are characterized by northwesterly trending active faults and mountain ranges related to the San Andreas and other major fault systems in the province. The province extends from the Los Angeles Basin, where the project is located, southeast to Baja California.

Site Geologic Conditions

The site is underlain by Quaternary age alluvial sediments mapped as younger, alluvial plain deposits. These sediments are described as gravel, sand, and clay derived mostly from the Santa Monica Mountains and minor stream channels (Dibblee, 2007). The geologic conditions in the site area are shown on the quaternary Regional Geologic Map, Figure D-1.

As encountered in our explorations to depths ranging from 20 to 81½ feet, the soils consist of shallow undocumented fill soils over natural younger and older alluvial soils. The fill soils at the boring locations consisted predominantly of slightly moist to moist silty sands and sandy silts. The fill soils are likely undocumented and relatively old, given the age of the school.

The underlying natural materials consisted predominantly of medium dense silty sands and stiff sandy silts between approximate depths of 7 and 15 feet. Between approximate depths of 15 feet and 35 feet, the natural soils consisted of predominantly of very stiff to hard sandy silts with lesser amounts of medium dense silty sands. Below depths of 35 feet, the natural soils transitioned to predominantly dense to very dense silty sands and sands.

The upper natural soils are generally slightly moist to moist, with higher moisture contents encountered within the fine-grained silty soils. The moisture contents of the near-surface soils are generally below-optimum and range from approximately 1 to 20 percent, with an average moisture content of about 6 percent. Based on laboratory testing, the near-surface clays exhibited optimum moisture contents of approximately 11 percent. In the upper 10 feet, the natural soils exhibited moderate strength and compressibility characteristics. Below depths of 10 feet, the natural soils exhibited moderate to high strength and low compressibility characteristics.

Groundwater Conditions

Data published by the State of California indicates that historical high groundwater depth in the site vicinity is approximately 45 to 50 feet below existing grades. Groundwater was not encountered in our borings drilled to depths of 81½ feet below the existing ground surface. Details of the historical groundwater depths in the vicinity of the site are shown on the Historical Groundwater Map, Figure D-2.

TECTONIC SETTING

Regional Fault Systems

The geologic structure of southern California is dominated by northwest trending faults associated with the San Andreas Fault System. Faults such as the Newport-Inglewood, Whittier, Palos Verdes Hills, and San Jacinto are all considered active and are all associated with the San Andreas, which collectively form the boundary between the North American and Pacific tectonic plates. Most of these faults have ruptured the ground surface historically and/or produced significant earthquakes.

Anomalous to the general northwest structural fabric are a series of active west trending reverse or thrust faults. The majority of these occur as north dipping planes projecting along the southern base of the Santa Monica and San Gabriel Mountains in the greater Los Angeles area. The known active thrust faults in the region include the Cucamonga, Sierra Madre, San Fernando, Raymond, Santa Monica, and Hollywood faults.

Concealed Faults

Another category of fault known as "blind thrusts" was recognized as a significant seismic hazard following the 1987 magnitude 6.0 Whittier Narrows Earthquake and then again by the 1994 San Fernando magnitude 6.7 Earthquake. A blind thrust is a deeply buried shallow dipping thrust fault, which does not project to the ground surface. Blind thrusts are capable of generating a major earthquake that may cause uplift in the form of anticlinal hills. Some uplands that surround the Los Angeles Basin, including the Elysian Park and Repetto Hills, are products of blind thrusts. Because blind thrusts do not intersect the ground surface, primary surface fault rupture is considered unlikely. Major portions of the Los Angeles Basin are now believed to be underlain by various blind thrusts ramps. Due to continued north-south convergence (shortening) across the Los Angeles Basin, slippage along these features will generate earthquakes.

At the present time, the potential magnitudes and recurrence intervals of blind thrust produced earthquakes cannot be quantified with confidence due to the fact that many characteristics of these features (including areal extent and Quaternary slip rates) are poorly understood. Nonetheless, the proximity to densely populated urban centers and their history of producing damaging earthquakes clearly demonstrate the risk that blind thrusts pose to large metropolitan areas such as Los Angeles and surrounding cities.

Nearby Seismogenic Sources

We reviewed the 2008 National Seismic Hazard Maps Source Parameters (USGS, 2008) to identify known active faults within a 100 km radius of the project site. The names and distances of the faults lying within 25 kilometers of the project site are provided in the following table (Table 1). We present a map showing the significant regional faults in Figure D-3, Regional Fault Map.

Table 1 – Significant Regional Faults

Fault Name	Approximate Distance* (km)
Puente Hills Blind Thrust (Los Angeles)	0.6
Newport-Inglewood	7.9
Elysian Park (Upper)	8.1
Santa Monica	12.2
Hollywood	13.0
Raymond	14.2
Puente Hills (Santa Fe Springs)	15.2
Verdugo	17.7
Elsinore	19.7
Palos Verdes	22.2
Puente Hills (Coyote Hills)	23.3
Sierra Madre	24.5
Malibu Coast	24.6

* Defined as the closest distance to projection of rupture area along fault trace.

The site does not lie within an Alquist-Priolo Earthquake Fault Zone as designated by the California Geological Survey (CGS, 1999) as shown on Figure D-5, Seismic Hazard Zones Map. Surface faults have not been mapped projecting towards or through the site area.

Brief details for some of the faults closest to the subject site are as follows:

Puente Hills Blind Thrust

The Puente Hills Blind Thrust (Shaw, 1999) is a north dipping blind thrust extending from the Santa Fe anticline northward to the Montebello anticline. Movement on the fault is responsible for the 1987 Whittier Narrows earthquake. Research on the earthquake and its aftershocks, as well as fault plane reflections, have resulted in the conclusions that the fault is located between 3 and 7 kilometers below sea level. Data on the slip rate and possible recurrence intervals are still being researched.

Newport-Inglewood Fault

The Newport-Inglewood Fault forms the southwesterly side of the Los Angeles Basin and is defined by a series of low disconnected hills and mesa surfaces. Strike slip faulting is associated with anticlinal folding. This has resulted in the accumulation of petroleum resources along its entire length from offshore Newport Beach to the Santa Monica Mountains. In 1933 the destructive Long Beach Earthquake occurred on the fault just offshore of Newport Beach. The event caused considerable damage and a high loss of life. Since then, the various strands of the fault have produced many minor earthquakes, all of which have been at a magnitude of 4.5 or less. The fault lies at a distance of approximately 7.9 kilometers to the southwest of the project sites at its closest approach. A maximum earthquake magnitude of 6.9 and slip rate of 1.0 mm/yr has been assigned to the fault.

Elysian Park Blind Thrust

The north to south structural convergence in the region is a result of deep-seated fault movement along features called “blind thrusts”. These are buried low angle north and some south dipping faults which do not project to the ground surface but cause uplift by folding during major earthquakes. In 1987, the magnitude 5.9 Whittier Narrows Earthquake occurred on a previously unknown blind thrust, which has now been given the name Elysian Park Blind Thrust or Structural Zone. This fault underlies the Elysian Park Hills at 3 km and deepens northward to 10 km of depth. Because of the 1987 event, the fault has been placed into an active category and has been tentatively mapped to underlie a major portion of the eastern Los Angeles Basin and adjacent San Gabriel Valley to the north. Subsequent to this earthquake was the 1994 M6.7 Northridge Earthquake in the San Fernando Valley. This earthquake occurred along a previously unknown similar blind thrust fault. This type of active faulting and resulting earthquake activity are considered relatively common in regions undergoing convergence. The Elysian Park Thrust has a length of 34 km, slip rate of 1.50 mm/yr and is capable of generating a maximum earthquake of M6.7 (Shaw and Suppe, 1996).

SEISMIC EXPOSURE

As is the case with most locations in Southern California, the subject site is located in a region that is characterized by moderate to high seismic activity. The project site and vicinity has experienced strong ground shaking due to earthquakes in historic time. The locations of earthquake epicenters with respect to the subject site are shown graphically on Figure D-4, Regional Seismicity.

SECONDARY SEISMIC EFFECTS

General

Secondary effects of seismic activity normally considered as possible hazards to a particular site include several types of ground failure as well as induced flooding. Various types of ground failures, which might occur as a consequence of severe ground shaking of a site, include landsliding, ground subsidence, ground lurching, shallow ground rupture and liquefaction. The probability of occurrence of each type of ground failure depends on the

severity of the earthquake, distance from faults, topography, subsoils, and groundwater conditions, in addition to other factors. Based on a review of available published literature, landsliding, ground subsidence, ground lurching and shallow ground ruptures are considered unlikely at the site.

Various types of seismically induced flooding, which may be considered as potential hazards to a particular site, include flooding due to a tsunami (seismic sea wave), a seiche, or failure of a major water retention structure upstream of the project. Since the site is located approximately 11 miles inland from the Pacific Ocean at an elevation of approximately 175 feet above mean sea level, and since it does not lie in close proximity to an enclosed body of water, the probability of flooding due to a tsunami or seiche is considered to be nonexistent.

Liquefaction Considerations

Loosely compacted/deposited granular soils located below the water table can fail through the process of liquefaction during strong earthquake-induced ground shaking. In this process, there is a rapid decrease in shearing resistance of cohesionless soils, caused by a temporary increase in the pore water pressure. Factors known to influence liquefaction potential include soil type and depth, grain size, relative density, ground-water level, degree of saturation, and both intensity and duration of ground shaking.

As a result of liquefaction, a typical building structure may be exposed to several hazards, including liquefaction-induced settlement, foundation bearing failure, and lateral displacement or lateral spreading. The surface manifestation of liquefaction in deeper soil deposits often takes place in the form of sand boils and ground subsidence. Such phenomena often lead to loss of adequate support for building foundations (bearing failures) and cause tilting, excessive movement, and cracking of superstructures. The severity of ground subsidence depends largely on the relative thickness of the surficial non-liquefiable layer compared to the thickness of layers undergoing liquefaction.

According to the published State Seismic Hazard Zones map for the Los Angeles Quadrangle, the site is not located in an area designated by the State Geologist as a "zone of required investigation," most likely due to a historical high groundwater depth in excess of 45 feet below prevailing site grades. Details of the liquefaction potential in the vicinity of the site are shown on Figure D-5, Seismic Hazard Zones Map. For details and results on our liquefaction and seismic settlement evaluation, refer to Section 4.2.3 in the text of our main report.

SUMMARY OF GEOLOGIC CONSTRAINTS

Based on the results of our geotechnical investigation and a review of the information provided in the referenced literature, it is recommended that the following geologic constraints be taken into account during the initial planning stages of the proposed development.

- The subject site is located in a seismically active area of southern California. The type and magnitude of seismic hazards that may affect the site are dependent on both the distance to causative faults and the intensity and duration of the seismic

event. The subject site will likely experience strong ground shaking caused by earthquakes on active, regional faults in the future. The proposed project should be designed and constructed in accordance with the seismic design parameters provided in the building code and our final geotechnical investigation report.

- Faults have not been mapped projecting towards or through the site.

- The site is not located in an area designated by the State Geologist as a "zone of required investigation" for liquefaction potential. This is most likely due to the excessive depth to groundwater in the site vicinity (historical high is in excess of 45 feet below prevailing site grades). Details of our liquefaction and seismic settlement evaluation are presented in Section 4.2.3 of the main report. Based on our analysis, the potential for liquefaction settlements to negatively impact the proposed site modifications is considered to be very low.

- Based on a review of available published literature, landsliding, ground subsidence, ground lurching and shallow ground rupture are considered unlikely at the site.

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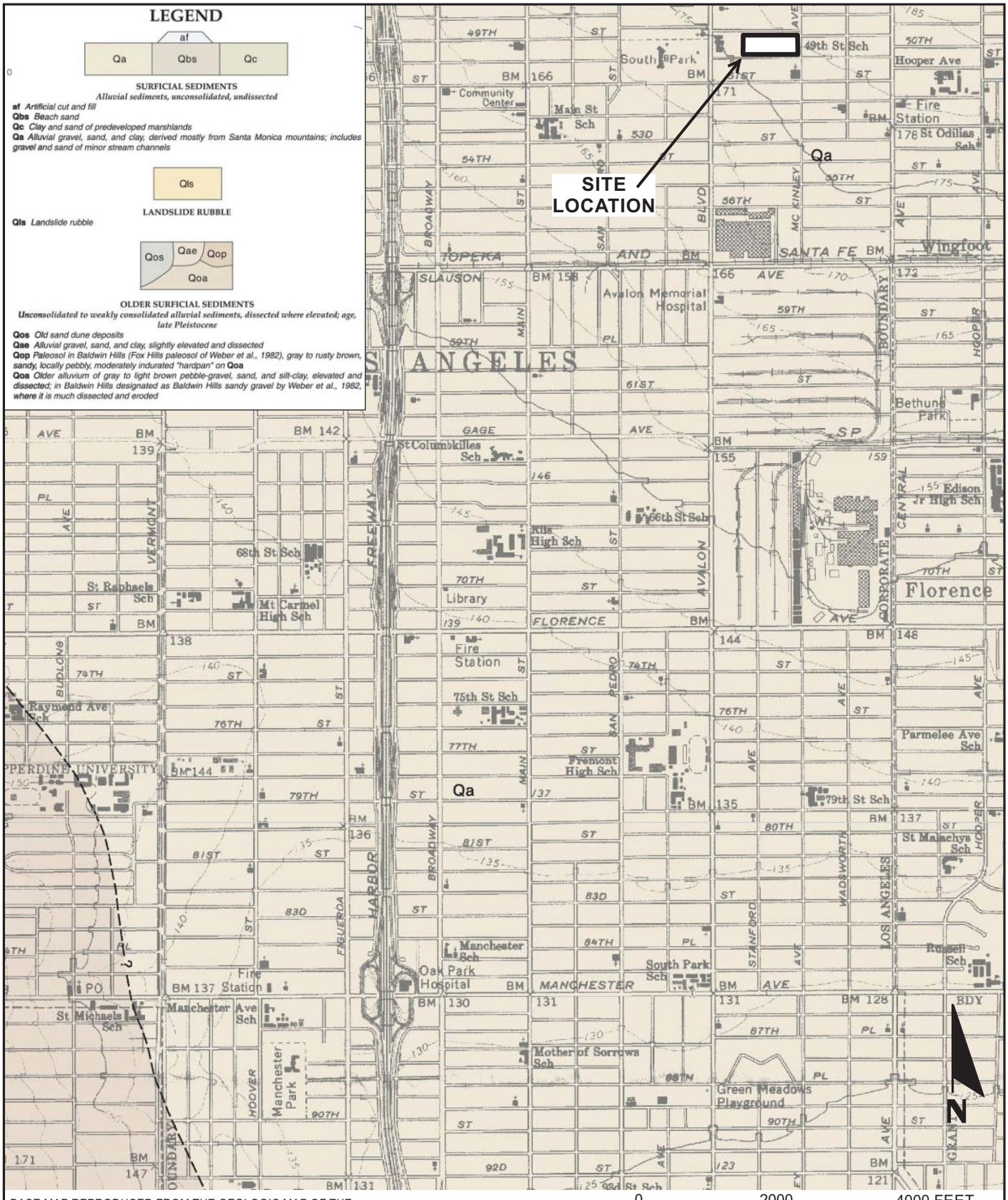


BASE MAP REPRODUCED FROM THE GEOLOGIC MAP OF THE VENICE AND INGLEWOOD QUADRANGLES PREPARED BY THE DIBBLEE GEOLOGICAL FOUNDATION: DATED 2007

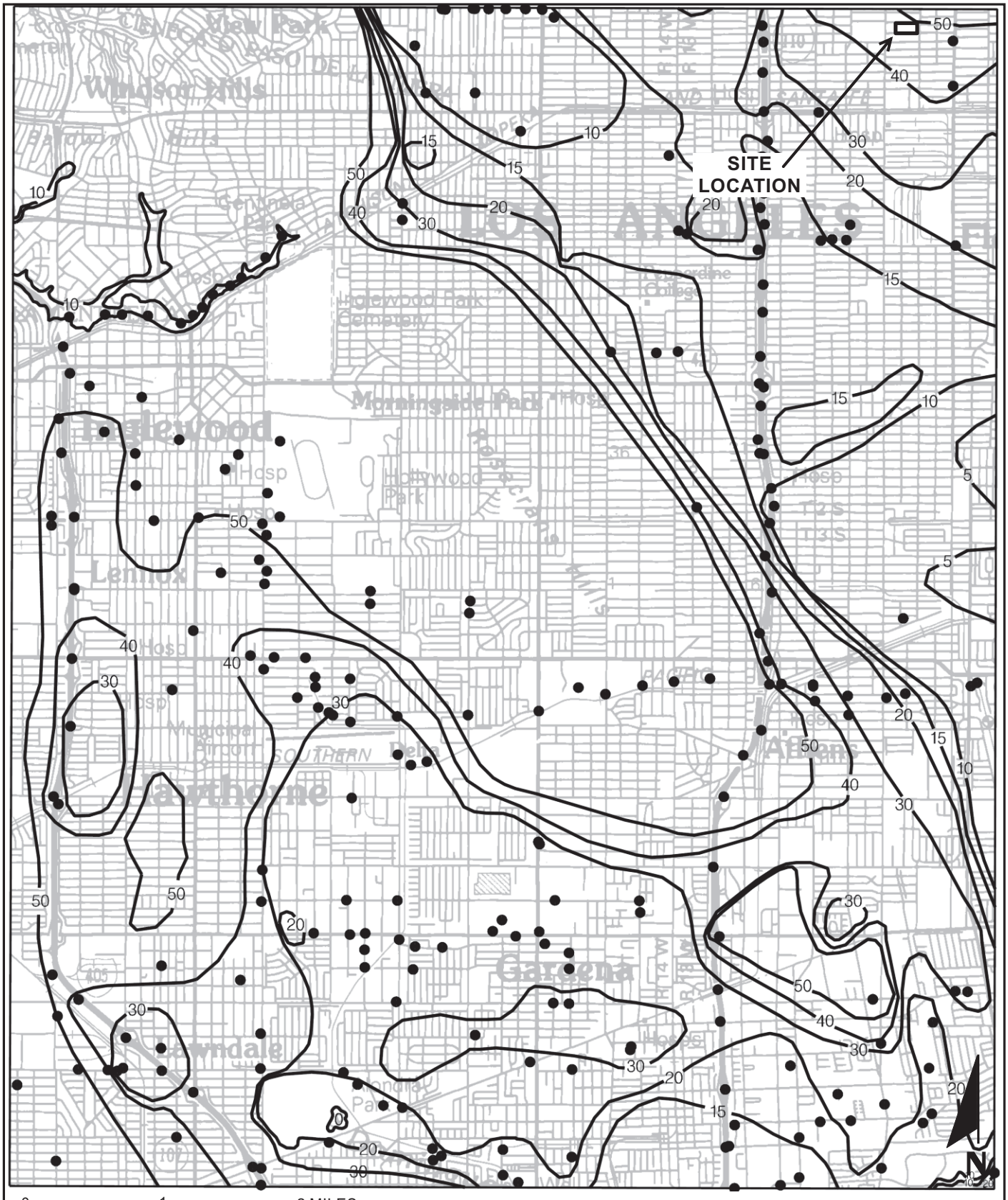
GPI GEOTECHNICAL PROFESSIONALS, INC.

REGIONAL GEOLOGIC MAP

49TH STREET ELEMENTARY SCHOOL

GPI PROJECT NO.: 3077.015I | SCALE: 1" = 2000'

FIGURE D-1



BASE MAP REPRODUCED FROM HISTORICAL GROUNDWATER MAP
(PLATE 1.2) FROM SEISMIC HAZARD ZONE REPORT 027 (1998)

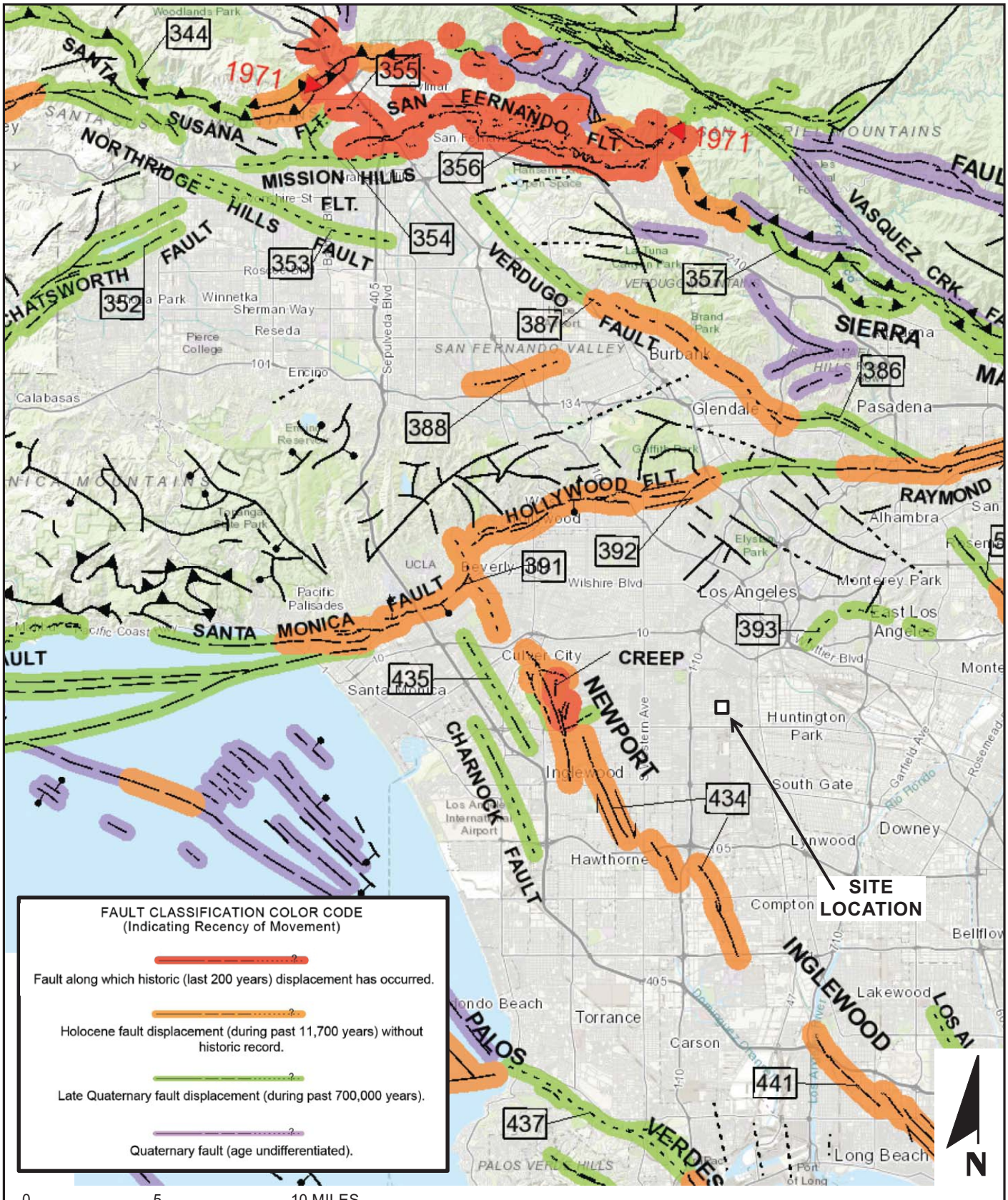
GPI GEOTECHNICAL PROFESSIONALS, INC.

HISTORICAL GROUNDWATER MAP

49TH STREET ELEMENTARY SCHOOL

GPI PROJECT NO. 3077.015I | SCALE: 1" = 1 MILE

FIGURE D-2



BASE MAP REPRODUCED FROM FAULT ACTIVITY MAP OF CALIFORNIA BY THE CALIFORNIA GEOLOGICAL SURVEY, C.W. JENNINGS, W.A. BRYANT: DATED 2010

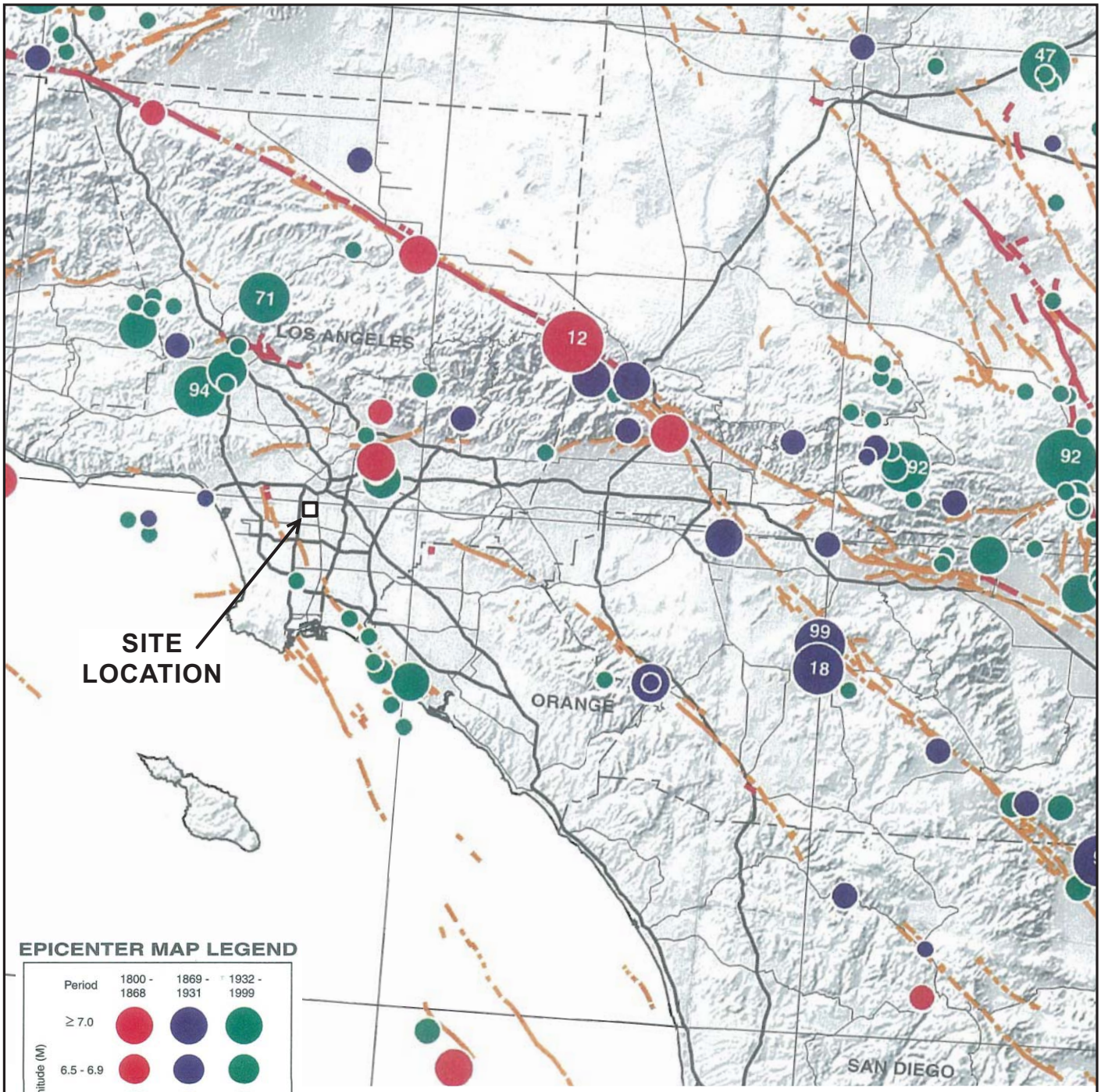
GEOTECHNICAL PROFESSIONALS, INC.

REGIONAL FAULT MAP

49TH STREET ELEMENTARY SCHOOL

GPI PROJECT NO. 3077.015I | SCALE: 1" = 5 MILES

FIGURE D-3



REGIONAL FAULT MAP REPRODUCED FROM EARTHQUAKE FAULTS PLAN FROM MONTEREY PARK GENERAL PLAN BY BING YEN & ASSOCIATES, INC.: DATED JULY 2001

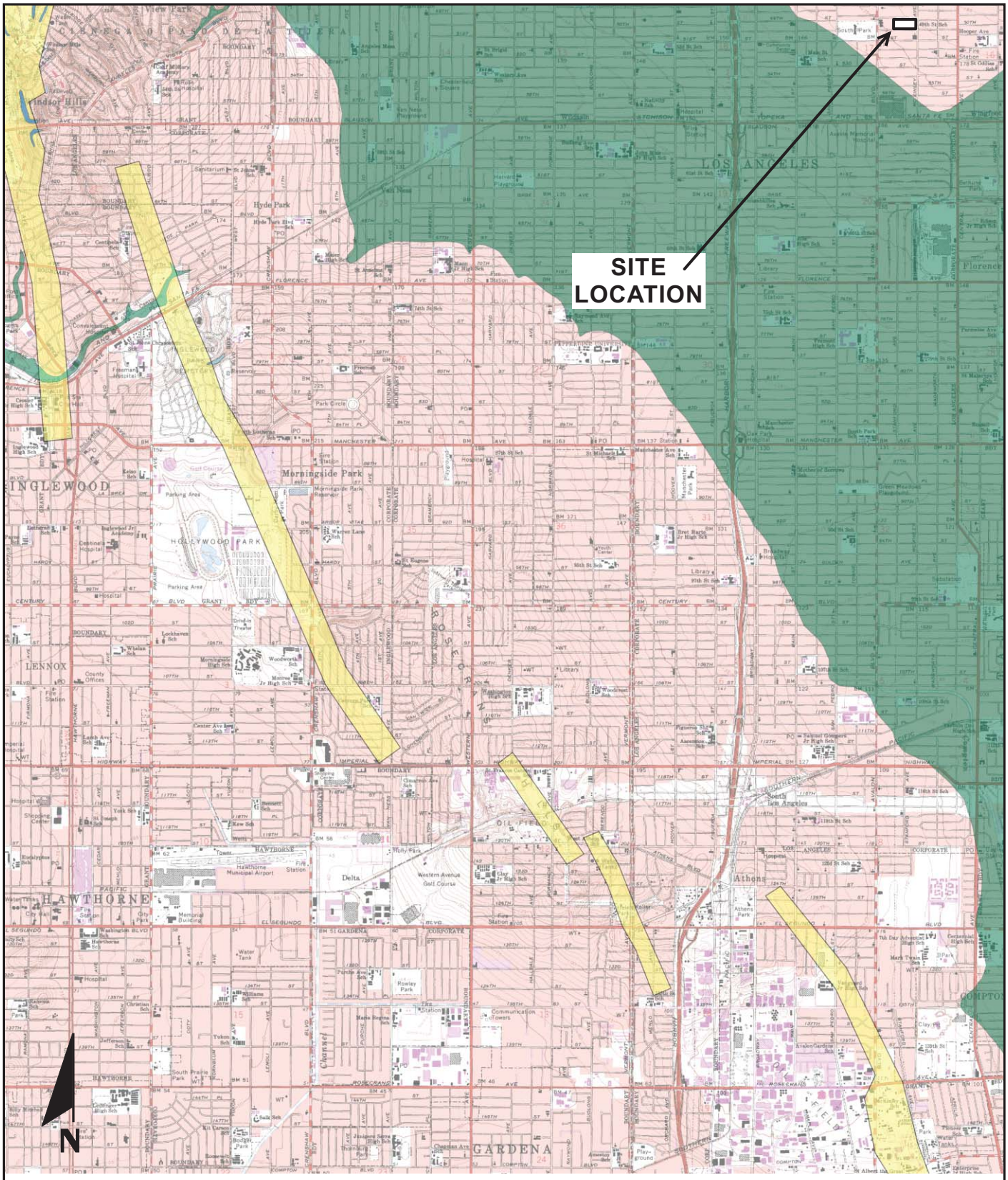
GPI GEOTECHNICAL PROFESSIONALS, INC.

49TH STREET ELEMENTARY SCHOOL

GPI PROJECT NO. 3077.015I | SCALE: 1" = 20 MILES

REGIONAL SEISMICITY

FIGURE D-4



0 6000 12000 FEET

BASE MAP REPRODUCED FROM SEISMIC HAZARD ZONES MAP FOR THE INGLEWOOD QUADRANGLE PREPARED BY THE STATE OF CALIFORNIA DIVISION OF MINES AND GEOLOGY: DATED 03/25/1999

GPI GEOTECHNICAL PROFESSIONALS, INC.

SEISMIC HAZARD ZONES MAP

49TH STREET ELEMENTARY SCHOOL

GPI PROJECT NO. 3077.015I | SCALE: 1" = 6000'

FIGURE D-5

APPENDIX E

January 28, 2022 via email: dylanb@gpi-ca.com

Geotechnical Professionals, Inc.
5736 Corporate Ave.
Cypress, CA, 90630

Attention: Dylan Boyle, PE

Re: Soil Corrosivity Study
49th Street Elementary School
Los Angeles, CA
HDR #21-1198LAB, GPI #3077.015l

Introduction

Laboratory tests have been completed on two soil samples provided for the 49th Street Elementary School project. The purpose of these tests was to determine whether the soils are likely to have deleterious effects on underground utility piping and concrete structures. HDR assumes that the provided samples are representative of the most corrosive soils at the site.

The proposed construction consists of new campus buildings, seismic retrofit of existing buildings, and other site improvements. The new buildings are assumed to have up to two stories and one subterranean level. The site is located at 750 East 49th Street in Los Angeles, California, and the historical shallowest water table is reportedly 45 to 50 feet deep.

The scope of this study is limited to a determination of soil corrosivity and general corrosion control recommendations for materials likely to be used for construction. HDR's recommendations do not constitute, and are not meant as a substitute for, design documents for the purpose of construction. If the architects and/or engineers desire more specific information, designs, specifications, or review of design, HDR will be happy to work with them as a separate phase of this project.

Soil Corrosivity Testing

The electrical resistivity of each sample was measured in a soil box per *ASTM International (ASTM)* G187 in its as-received condition and again after saturation with distilled water. Resistivities are at about their lowest value when the soil is saturated. The pH of the saturated samples was measured per ASTM G51. A 5:1 water:soil extract from each sample was chemically analyzed for the major soluble salts commonly found in soil per ASTM D4327, ASTM D6919, and *American Water Works Association (AWWA*) Standard Method 2320-B.

The laboratory analyses were performed under HDR laboratory number 21-1198LAB. The full set of test results are shown in the attached Table A1.

Discussion

A major factor in determining soil corrosivity is electrical resistivity. The electrical resistivity of a soil is a measure of its resistance to the flow of electrical current. Corrosion of buried metal is an electrochemical process in which the amount of metal loss due to corrosion is directly proportional to the flow of electrical current (DC) from the metal into the soil. Corrosion currents, following Ohm's Law, are inversely proportional to soil resistivity. Lower electrical resistivities result from higher moisture and soluble salt contents and indicate corrosive soil. A correlation between electrical resistivity and corrosivity toward ferrous metals is shown in Table 1.[1]

Table 1: Soil Corrosivity Categories.

Soil Resistivity (ohm-cm)	Corrosivity Category
Greater than 10,000	Mildly Corrosive
2,001 to 10,000	Moderately Corrosive
1,001 to 2,000	Corrosive
0 to 1,000	Severely Corrosive

Other soil characteristics that may influence corrosivity towards metals are pH, soluble salt content, soil types, aeration, anaerobic conditions, and site drainage.

Electrical resistivities were in the mildly corrosive category with as-received moisture. When saturated, the resistivities were in the moderately corrosive category. The resistivities dropped considerably with added moisture because the samples were dry as-received.

Soil pH values varied from 7.8 to 7.9. This range is mildly to moderately alkaline.[2] These values do not particularly increase soil corrosivity.

The soluble salt content of the samples was low.

Per ACI-318, the soil is classified as S0 with respect to sulfate concentration.[3]

Ammonium and nitrate were detected in low concentrations.

Tests were not made for sulfide and oxidation-reduction (redox) potential because these samples did not exhibit characteristics typically associated with anaerobic conditions.

In conclusion, this soil is classified as moderately corrosive to ferrous metals and negligible (S0) for sulfate attack on concrete.

[1] *Romanoff, Melvin. Underground Corrosion, NBS Circular 579. Reprinted by NACE. Houston, TX, 1989, pp. 166–167.*

[2] *Romanoff, Melvin. Underground Corrosion, NBS Circular 579. Reprinted by NACE. Houston, TX, 1989, p. 8.*

[3] *American Concrete Institute (ACI) 318-19 Table 19.3.1.1.*

Corrosion Control Recommendations

The life of buried materials depends on thickness, strength, loads, construction details, soil moisture, etc., in addition to soil corrosivity, and is, therefore, difficult to predict. Of more practical value are corrosion control methods that will increase the life of materials that would be subject to significant corrosion. The following recommendations are based on the evaluation of soil corrosivity described above. Unless otherwise indicated, these recommendations apply to the entire site or alignment.

All Pipe

1. On all pipes, appurtenances, and fittings not protected by cathodic protection, coat bare metal such as valves, bolts, flange joints, joint harnesses, and flexible couplings with wax tape per AWWA C217 after assembly.

2. Where metallic pipelines penetrate concrete structures such as building floors, vault walls, and thrust blocks use plastic sleeves, rubber seals, or other dielectric material to prevent pipe contact with the concrete and reinforcing steel.

3. To prevent differential aeration corrosion cells, provide at least 2 inches of pipe bedding or backfill material all around metallic piping, including the bottom. Do not lay pipe directly on undisturbed soil.

Steel Pipe

1. Underground steel pipe with rubber gasketed, mechanical, grooved end, or other nonconductive type joints should be bonded for electrical continuity. Electrical continuity is necessary for corrosion monitoring and the possible future application of cathodic protection.

2. Install corrosion monitoring test stations to facilitate corrosion monitoring and the possible future application of cathodic protection:

    a. At each end of the pipeline.

    b. At each end of all casings.

    c. Other locations as necessary so the interval between test stations does not exceed 1,200 feet.

3. To prevent dissimilar metal corrosion cells and to facilitate the possible future application of cathodic protection, electrically isolate each buried steel pipeline per NACE SP0286 from:

    a. Dissimilar metals.

    b. Dissimilarly coated piping (cement-mortar vs. dielectric).

    c. Above ground steel pipe.

d. All existing piping.

Insulated joints should be placed above grade or in vaults where possible. Wrap all buried insulators with wax tape per AWWA C217.

4. Choose one of the following corrosion control options:

OPTION 1

a. Apply a suitable dielectric coating intended for underground use such as:

i. Polyurethane per AWWA C222 *or*

ii. Extruded polyethylene per AWWA C215 *or*

iii. A tape coating system per AWWA C214 *or*

iv. Hot applied coal tar enamel per AWWA C203 *or*

v. Fusion bonded epoxy per AWWA C213.

b. Although it is customary to cathodically protect bonded dielectrically coated structures, cathodic protection is not recommended at this time because the soil is considered only moderately corrosive to ferrous materials. Install joint bonds, test stations, and insulated joints to provide for corrosion monitoring and/or the future application of cathodic protection to control leaks if needed.

OPTION 2

a. As an alternative to the coating systems described in Option 1 and possible future cathodic protection, apply a ¾-inch cement mortar coating per AWWA C205 or encase all buried portions of metallic piping so that there is a minimum of 3 inches of concrete cover provided over and around surfaces of pipe, fittings, and valves using any type of ASTM C150 cement. Install joint bonds, test stations, and insulated joints to provide for corrosion monitoring and/or the future application of cathodic protection if needed.

NOTE: Some steel piping systems, such as for oil, gas, and high-pressure piping systems, have special corrosion and cathodic protection requirements that must be evaluated for each specific application.

Ductile Iron Pipe

1. To prevent dissimilar metal corrosion cells and to facilitate the possible future application of cathodic protection, electrically insulate underground iron pipe from dissimilar metals and from above ground iron pipe with insulating joints per NACE SP0286.

2. Bond all nonconductive type joints for electrical continuity. Electrical continuity is necessary for corrosion monitoring and possible future application of cathodic protection.

3. Install corrosion monitoring test stations to facilitate corrosion monitoring and the possible future application of cathodic protection:

    a. At each end of the pipeline.

    b. At each end of any casings.

    c. Other locations as necessary so the interval between test stations does not exceed 1,200 feet.

4. Choose one of the following corrosion control options:

    OPTION 1

    a. Apply a suitable coating intended for underground use such as:

        i. Polyethylene encasement per AWWA C105; *or*

        ii. Epoxy coating; *or*

        iii. Polyurethane; *or*

        iv. Wax tape.

        NOTE: The thin factory-applied asphaltic coating applied to ductile iron pipe for transportation and aesthetic purposes does not constitute a corrosion control coating.

    b. Although it is customary to cathodically protect coated structures, cathodic protection is not recommended at this time because the soil is considered only moderately corrosive to ferrous materials. Install joint bonds, test stations, and insulated joints to provide for corrosion monitoring and/or the future application of cathodic protection to control leaks if needed.

    OPTION 2

    a. As an alternative to the coating systems described in Option 1 and possible future cathodic protection, encase all buried portions of metallic piping so that there is a minimum of 3 inches of concrete cover provided over and around surfaces of pipe, fittings, and valves using any type of ASTM C150 cement. Install joint bonds, test stations, and insulated joints to provide for corrosion monitoring and/or the future application of cathodic protection if needed.

NOTE: Some iron piping systems, such as for fire water piping, have special corrosion and cathodic protection requirements that must be evaluated for each specific application.

Cast Iron Soil Pipe

1. Protect cast iron soil pipe with either a double wrap 4-mil or single wrap 8-mil polyethylene encasement per AWWA C105.

2. It is not necessary to bond the pipe joints or apply cathodic protection.
3. Provide 6 inches of clean sand backfill all around the pipe. Use the following parameters for clean sand backfill:
    a. Minimum saturated resistivity of no less than 3,000 ohm-cm; *and*
    b. pH between 6.0 and 8.0.
    c. All backfill testing should be performed by a corrosion engineering laboratory.

Copper Tubing

1. Use Type K or Type L copper tubing as required by the applicable local plumbing code. Type M tubing should not be used for buried applications.[4]
2. Electrically insulate underground copper pipe from dissimilar metals and from above ground copper pipe with insulating devices per NACE SP0286. Sleeve copper pipe through footings and foundations to prevent pH concentration cells and prevent leaks caused by settlement.
3. Electrically insulate cold water piping from hot water piping systems.
4. Protect cold water pipe using all of the following measures:
    a. Place cold water copper tubing in an 8-mil polyethylene sleeve or encase in double 4-mil thick polyethylene sleeves. Ensure that sleeves are intact and free of cuts, tears, punctures, or other damage.
    b. Remove any construction debris, rocks, wood, or organic matter from the trench prior to backfill.
    c. Bed and backfill with at least 2 inches of clean sand all around the tubing, including the bedding. Use the following parameters for clean sand backfill:
        i. Minimum saturated resistivity of no less than 3,000 ohm-cm; and
        ii. pH between 6.0 and 8.0.
        iii. All backfill testing should be performed by a corrosion engineering laboratory.
    d. Copper tubing for cold water can also be treated the same as for hot water.
5. Hot water tubing may be subject to a higher corrosion rate. Protect hot copper tubing using one of the following measures:

[4] *2016 California Plumbing Code (CPC), July 1, 2018 Supplement, Section 604.3.*

a. Prevent soil contact. Soil contact may be prevented by placing the tubing above ground or encasing the tubing with PVC pipe with solvent-welded joints. Either seal the PVC pipe at both ends using ammonia- and methanol-free caulk, or terminate both ends above-grade in a manner that doesn't allow water to infiltrate; *or*

b. Applying cathodic protection per NACE SP0169. The amount of cathodic protection current needed can be minimized by coating the tubing with a suitable dielectric coating that is compatible with cathodic protection, such as Polyken 930.

Plastic and Vitrified Clay Pipe

1. No special corrosion control measures are required for plastic and vitrified clay piping placed underground.

2. Protect all metallic fittings and valves with wax tape per AWWA C217, or with epoxy and appropriately designed cathodic protection system per NACE SP0169.

Concrete Structures and Pipe

1. From a corrosion standpoint, any type of ASTM C150 cement may be used for concrete structures and pipe because the sulfate concentration is negligible (S0), from 0 to 0.10 percent. Use a minimum strength of 2,500 psi per applicable codes.[5,6,7]

2. Standard concrete cover over reinforcing steel may be used for concrete structures and pipe in contact with these soils due to the low chloride concentrations found on site.[8] Limit the water-soluble chloride ion content in the concrete mix design to less than 0.3 percent by weight of cement.

Concrete Piles

Precast Concrete Piles

1. It is assumed that precast concrete piles will contain a minimum of 8 sacks of ASTM C150 Type V cement per cubic yard of concrete, a water/cement ratio not exceeding 0.45, and 2 inches of concrete cover. No further corrosion control measures are required for such piles.

Steel Reinforced Cast in Place Concrete Piles

1. Protect steel reinforced cast-in-place and cast-in-drilled-hole concrete piles in accordance with the recommendations of the concrete structures section in this report.

---

[5] *2018 International Building Code (IBC) which refers to American Concrete Institute (ACI) 318-19 Table 19.3.2.1*

[6] *2015 International Residential Code (IRC) which refers to American Concrete Institute (ACI) 318-19 Table 19.3.2.1*

[7] *2016 California Building Code (CBC) which refers to American Concrete Institute (ACI) 318-19 Table 19.3.2.1*

[8] *Design Manual 303: Concrete Cylinder Pipe. Ameron. p.65*

2. If the piles are uncased or there is uncertainty about the shaft profile, consider whether additional concrete cover will be needed to ensure the minimum is achieved.

Closure

The analysis and recommendations presented in this report are based upon data obtained from the laboratory samples. This report does not reflect variations that may occur across the site or due to the modifying effects of construction. If variations appear, HDR should be notified immediately so that further evaluation and supplemental recommendations can be provided.

HDR's services have been performed with the usual thoroughness and competence of the engineering profession. No other warranty or representation, either expressed or implied, is included or intended.

Please call if you have any questions.

Respectfully Submitted,
HDR Engineering, Inc.



Lucy Jaramillo, EIT
Corrosion EIT

Bradley M. Stuart, PE
Corrosion Engineer

Enc: Table A1 – Laboratory Tests on Soil Samples

21-1198LAB SCS LJ-BS

Table A1 - Laboratory Tests on Soil Samples

Geotechnical Professionals, Inc.
49th St. ES
Your #3077.015I , HDR Lab #21-1198LAB
6-Dec-21

Sample ID

			B-1 @ 0-5'	B-5 @ 0-5'
Resistivity		**Units**		
as-received		ohm-cm	29,200	14,000
saturated		ohm-cm	4,000	3,040
pH			7.9	7.8
Electrical Conductivity		mS/cm	0.11	0.14
Chemical Analyses				
Cations				
calcium	Ca^{2+}	mg/kg	52	54
magnesium	Mg^{2+}	mg/kg	3.7	5.7
sodium	Na^{1+}	mg/kg	26	31
potassium	K^{1+}	mg/kg	25	30
ammonium	NH_4^{1+}	mg/kg	1.0	1.2
Anions				
carbonate	CO_3^{2-}	mg/kg	ND	ND
bicarbonate	HCO_3^{1-}	mg/kg	210	217
fluoride	F^{1-}	mg/kg	6.9	9.1
chloride	Cl^{1-}	mg/kg	9.4	3.1
sulfate	SO_4^{2-}	mg/kg	110	180
nitrate	NO_3^{1-}	mg/kg	2.7	16
phosphate	PO_4^{3-}	mg/kg	7.8	13
Other Tests				
sulfide	S^{2-}	qual	na	na
Redox		mV	na	na

Resistivity per ASTM G187, pH per ASTM G51, Cations per ASTM D6919, Anions per ASTM D4327, and Alkalinity per APHA 2320-B.

Electrical conductivity in millisiemens/cm and chemical analyses were made on a 1:5 soil-to-water extract.

mg/kg = milligrams per kilogram (parts per million) of dry soil.

Redox = oxidation-reduction potential in millivolts

ND = not detected

na = not analyzed

431 West Baseline Road · Claremont, CA 91711
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Appendix F. Phase I Environmental Site Assessment 49th Street Elementary School

Appendices

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Phase I Environmental Site Assessment
49th Street Elementary School
750 East 49th Street
Los Angeles, California 90011
Project No. T37254.13



March 22, 2022

Phase I Environmental Site Assessment
49th Street Elementary School
750 East 49th Street
Los Angeles, California 90011
Project No. T37254.13

March 22, 2022

Prepared by:

Tetra Tech, Inc.
17885 Von Karman Avenue, Suite 500
Irvine, California 92614
Phone: 949-809-5000
Fax: 949-809-5010

Prepared for:

Los Angeles Unified School District
Office of Environmental Health & Safety
333 South Beaudry Avenue, 21st Floor
Los Angeles, CA 90017

Attention: Mr. Steven Morrill, PE
Site Assessment Project Manager

TETRA TECH

17885 Von Karman Avenue, Suite 500
Irvine, California 92614
Phone: 949-809-5000
Fax: 949-809-5010

March 22, 2022

Los Angeles Unified School District
Office of Environmental Health & Safety
333 South Beaudry Avenue, 21st Floor
Los Angeles, CA 90017

Attention: Mr. Steven Morrill, PE
Site Assessment Project Manager

RE: Phase I Environmental Site Assessment
49th Street Elementary School
750 East 49th Street
Los Angeles, California 90011
Project No. T37254.13

Dear Mr. Morrill:

Tetra Tech, Inc. (Tetra Tech) appreciates the opportunity to submit this Phase I Environmental Site Assessment (ESA) report (Report) for the above-referenced property (Site) to Los Angeles Unified School District (LAUSD).

Tetra Tech found six recognized environmental conditions (RECs), no controlled RECs (CRECs), no historical RECs (HRECs), no potential environmental concerns (PECs), and two business environmental risks (BERs) in connection with the Site.

It is Tetra Tech's understanding that this Phase I ESA is being requested in conjunction with due diligence activities by LAUSD as part of a current transaction. Tetra Tech recognizes that this Report is to be used for the current transaction exclusively by LAUSD. It is a report for the current transaction upon which LAUSD can rely.

We appreciate the opportunity to provide you with these services. Please do not hesitate to contact us at your convenience should you have questions or comments regarding this Report or our findings. It has been a pleasure working with you on this transaction.

Sincerely,

TETRA TECH, INC.

STEVEN GROD
Senior Project Manager
Phone: 949-809-5076

MARK FELDMAN, PG, CHG, CEG
Principal Geologist
Phone: 909-382-5116

Enclosures

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Figure 1: Site Location Map
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PHASE I ENVIRONMENTAL SITE ASSESSMENT
49th Street Elementary School
750 East 49th Street
Los Angeles, California 90011
Project No. T37254.13

1.0 SUMMARY AND CONCLUSIONS

On December 15, 2021, Tetra Tech, Inc. (Tetra Tech) was authorized by Pat Schanen, Environmental Health Manager with Los Angeles Unified School District (LAUSD), to conduct a Phase I Environmental Site Assessment (ESA) of the property referenced as the 49th Street Elementary School located at 750 East 49th Street in Los Angeles, California (the Site). The Phase I ESA included visual observation of the Site, inspection of the surrounding properties from curbside, review of historical property ownership and use, review of regulatory listings, review of Internet resources, and interviews with persons knowledgeable about the Site. The following provides a summary of Tetra Tech's findings, conclusions, and recommendations.

The Site is located on 5.73 acres at the southwest corner of the intersection of East 49th Street and McKinley Avenue in Los Angeles, California. It was occupied by the 49th Street Elementary School. The Site is improved with seven buildings including one administration/library/classroom building (Building ID # 14036), four classroom buildings (classroom building [Building ID # 13718], west building [Building ID # 13933], main building [Building ID # 14040], and south building [Building ID # 13583]), an auditorium building (Building ID # 14196), and a cafeteria building (Building ID # 13566). Janitorial storage closets/rooms were observed in most of the Site buildings. The Site was occupied by a 49th Street Elementary School. The Site is improved with seven buildings as noted previously. There are a total of 46 classrooms. A boiler/incinerator room was observed in the main building (Building ID # 14040). A modern boiler was present in the boiler/incinerator room. It is presumed that the original boiler for the school was present in this room and removed, and it is unknown how the original boiler was fueled. No evidence of an active petroleum-based heating fuel source was observed at the Site. Sumps (up to four) were also observed in the boiler/incinerator room. Approximately 15 square feet of pink staining was observed around one of the sumps in the boiler/incinerator room. Current and historical use of the boiler/incinerator room in the main building, including the potential use of petroleum fuels, the presence of an incinerator, and the presence of pink staining around a sump, is considered to be a recognized environmental condition (REC).

A hazardous materials storage container was observed in the central south portion of the Site and was used for the storage of maintenance related chemicals. Several metal shipping containers were observed along the south and west borders of the Site and were used for the storage of supplies/equipment. No other areas of staining considered to be significant, or stressed vegetation, were observed at the Site.

According to the historical records reviewed, the Site was depicted as undeveloped or vacant land in 1896, and depicted with vacant lots and single-family residences and associated sheds and stables in 1906. By 1922, the east portion of the Site was redeveloped with the 49th Street Elementary School facility and included a former public school building and two smaller former classroom buildings. According to LAUSD information, the seven buildings were constructed between 1923 and 1969. By 1970, the footprint of the 49th Street Elementary School facility had expanded to almost the current layout; one single-family residence and one multi-family residential property remained in the northwest portion of the Site. By 1972, the 49th Street Elementary School facility had expanded to the existing footprint.

It is Tetra Tech's understanding that historical uses of hazardous materials at LAUSD facilities has the potential to have impacted the Site, and the following are considered to be RECs:

- The potential presence of lead-contaminated soils in the vicinity of the on-Site buildings (historic and current) associated with the potential use of lead-based paint (LBP) in the buildings.

- The potential presence of organochlorine pesticide (OCP)-contaminated soils in the vicinity of the on-Site buildings (historic and current) associated with the potential application of OCPs applied at wood building foundations for termite control.

- The potential presence of polychlorinated biphenyl (PCB)-contaminated soils in the vicinity of the on-Site buildings (historic and current) due to the potential use of PCB-containing caulking and paints in the buildings.

- The potential presence of arsenic-contaminated soils beneath the Site pavement due to LAUSD's former standard practice of applying herbicides containing arsenic prior to paving.

LAUSD also provided Tetra Tech with drawings dated from 1923 to 1995. The following features of note were depicted on the drawings:

- A concrete incinerator approximately 30 feet west and 40 feet south of the southwest corner of the existing west building on 1935 drawings.

- An oil tank between the main building and the west building on 1934, 1948, and 1950 drawings (unknown if the referenced tank is an aboveground storage tank [AST] or underground storage tank [UST]),.

- An oil tank approximately 62 feet east and 25 feet south of the southwest corner of the existing west building on a 1934 drawing (unknown if the tank is an AST or UST).

- A boiler room in the west building on 1923 drawings (specific location not clear), and a boiler room adjacent and west of the central portion of the main building on a 1934 drawing. It is unknown how the boilers at the above locations were fueled.

The referenced concrete incinerator, two oil tanks, and two additional former boiler rooms are collectively considered to be a REC.

Based on the age of the Site buildings (1923 to 1969), it is possible that asbestos-containing materials (ACMs) and lead-based paint (LBP) and other lead-containing materials (LCMs [e.g., ceramic tiles]) are present in the Site buildings. Observed or inferred suspect ACMs at the Site include: ceramic floor tile mastic, vinyl flooring (tiles and sheeting) and mastic, vinyl cove base and associated mastic, drywall and associated joint compound, acoustic ceiling tile, stucco, and roofing materials. The suspect ACMs were generally in fair condition where observed. Painted surfaces were observed to be in generally good condition, with no significant areas of damaged paint noted. Untested suspect ACMs and LBP and other LCMs are considered to be a business environmental risk (BER).

Fluorescent light fixtures (including ballasts and bulbs/tubes) were observed in the Site buildings. According to LAUSD, a fluorescent light ballast survey was conducted at the Site in January 2016 and no PCB-containing fluorescent light ballast were found. One pad-mounted transformer was observed in the

central south portion of the Site. No staining or other evidence of leaks was observed around the transformer. The presence of a potentially PCB-containing transformer is considered to be a BER.

Storm water is expected to percolate into unpaved areas at the Site parcels and to flow onto surrounding properties and streets topographically downslope from the Site. No industrial stormwater permits were found for the Site. No evidence of storm water run-off controls was observed and no storm water pollution prevention plan (SWPPP) was found for the Site during the conduct of this assessment.

Site observations and the information reviewed for this assessment did not indicate RECs, historical RECs (HRECs), PECs, or BERs associated with the Site regarding environmental liens, activity use limitations (AULs), current hazardous materials usage, solid waste management, current hazardous waste management, water supply, wastewater, storm water, radon, air emissions, dry cleaners, microbial growth and moisture intrusion, or environmental non-compliance issues.

The inspection of adjacent properties from curbside and a review of federal, state, and local regulatory agency databases/records did not reveal the presence of off-Site sources that are considered to be RECs to the Site at this time.

Tetra Tech reviewed the State Water Resources Control Board's (SWRCB's) GeoTracker website for information regarding groundwater depth and flow direction in the vicinity of the Site. Depth to groundwater at a property located approximately 0.3 miles north-northwest of the Site (Winall Oil #9 at 4442 Avalon Boulevard) was reported to range from 190.45 to 219.3 feet below ground surface (bgs), with a groundwater flow direction towards the east (California Regional Water Quality Control Board – Los Angeles Region [LARWQCB], 2014).

1.1 CONCLUSIONS

Tetra Tech has performed a Phase I ESA in general conformance with the scope of work cited in 40 Code of Federal Regulations (CFR) §312, et al., and American Society of Testing and Materials (ASTM) Standard Practice E1527-21 (including all appropriate inquiry [AAI]) of the property referenced as the 49th Street Elementary School located at 750 East 49th Street in Los Angeles, California (the Site). Any exceptions to, or deletions from, the scope of work in 40 CFR §312 or ASTM Standard Practice E1527-21 are described in this Phase I ESA report (Report) where applicable.

Based on the information gathered during the performance of this assessment, current Site use, and Tetra Tech's understanding of current regulatory guidelines and judgment, the following conclusions have been reached:

- The following RECs have been found in connection with the Site:
    - Current and historical use of the boiler/incinerator room in the main building, including the potential use of petroleum fuels, the presence of an incinerator, and the presence of pink staining around a sump.
    - The potential presence of lead-contaminated soils in the vicinity of the on-Site buildings (historical and current) associated with the potential use of LBP in the buildings.
    - The potential presence of OCP-contaminated soils in the vicinity of the on-Site buildings (historical and current) associated with the potential application of OCPs applied at wood building foundations for termite control.

- The potential presence of PCB-contaminated soils beneath in the vicinity of the on-Site buildings (historical and current) due to the potential use of PCB-containing caulking and paints in the buildings.

- The potential presence of arsenic-contaminated soils beneath the Site pavement due to LAUSD's former standard practice of applying herbicides containing arsenic prior to paving.

- The following features referenced on historical LAUSD drawings: a concrete incinerator, two oil tanks (unknown if the tanks are ASTs and/or USTs), and two additional former boiler rooms.

- No HRECs or PECs have been found in connection with the Site.

- The following BERs have been found in connection with the Site:

  - Untested suspect ACMs and LBP and other LCMs.

  - The presence of a potentially PCB-containing transformer.

- No off-Site facilities are considered to be RECs to the Site at this time.

1.2 RECOMMENDATIONS

Based on the information gathered during the performance of this assessment, current Site use, current regulatory guidelines, and the judgment of Tetra Tech, the following recommendations are presented for consideration:

- Preparation of a Preliminary Environmental Assessment Equivalent (PEA-E) scoping document is warranted in order to address the RECs identified during this assessment. The PEA-E scoping document should include a scope of work for the sampling, analysis and evaluation of on-Site subsurface soil to determine the presence or absence of COCs, including petroleum hydrocarbons, VOCs, metals including lead and arsenic, OCPs, and PCBs, as appropriate, to address the RECs identified.

- Prior to any demolition, remodeling, and/or renovation activities at the Site, untested suspect ACMs, LBP and other LCMs, and potential PCB-containing building material that may be disturbed should be sampled and analyzed in accordance with applicable regulations. Abatement of known and suspect ACMs, LBP and other LCMs, and potential PCB-containing caulk and paints and any adjacent PCB-impacted building or construction materials should be performed prior to any demolition, remodeling, and/or renovation activities (that would disturb the ACMs and LBP and other LCMs) in accordance with applicable regulations. In the event that renovation or demolition activities do not take place, known and suspect ACMs, LBP and other LCMs, and potential PCB-containing building material at the Site should be managed in accordance with applicable regulations, including the preparation and implementation of specific Operation and Maintenance (O&M) Plans.

-

- Prior to redevelopment, all applicable agencies should be contacted for requirements related to storm water run-off (including the State of Construction Storm Water Permit) and other development- and

construction-related environmental requirements (such as dust suppression). This could include the preparation and implementation of a SWPPP.

2.0 INTRODUCTION

On December 15, 2021, Tetra Tech, Inc. (Tetra Tech) was authorized by Pat Schanen, Environmental Health Manager with Los Angeles Unified School District (LAUSD), to conduct a Phase I Environmental Site Assessment (ESA) of the property referenced as the 49th Street Elementary School located at 750 East 49th Street in Los Angeles, California (Site).

This Phase I ESA was performed consistent with the terms and conditions in Work Authorization No. E-312123-1TTI signed December 15, 2021. The Phase I ESA also was performed in general accordance with the American Society for Testing and Materials (ASTM) Standard Practice E1527-21 document entitled, "Standard Practice for Environmental Assessments: Phase I Environmental Site Assessment Process" and with the All Appropriate Inquiries (AAI) Final Rule at 40 Code of Federal Regulations (CFR) Part 312.

2.1 PURPOSE AND SCOPE OF SERVICES

The primary purpose of this assessment was to identify recognized environmental conditions (RECs) in connection with the Site. ASTM defines RECs as "(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. A *de minimis* condition is not a recognized environmental condition." Where used in this Phase I ESA report (Report), the term REC includes controlled RECs (CRECs).

Information on the Site boundaries was obtained from publicly accessible information from the Los Angeles County Assessor's Office, information provided by the Client, and observations made during the Site vicinity reconnaissance for boundary features, such as driveways, roads, adjacent buildings, etc. It is outside the scope of this Phase I ESA, however, to independently verify Site boundaries, and all references to the Site boundaries are considered approximate.

The assessment included a visual reconnaissance of the Site, visual inspection of the surrounding properties from curbside, review of historical ownership and use, review of regulatory listings, and interviews with persons knowledgeable about the Site, as applicable. The following provides a more detailed description of the scope of services for this assessment:

- Visual inspection of the Site to identify potential for on-Site petroleum products or hazardous substance release(s).

- Visual inspection of the Site to evaluate the likelihood that polychlorinated biphenyls (PCBs) are present (e.g., in transformers and fluorescent light ballasts).

- Visual inspection and categorization of the use of abutting and adjacent properties.

- Review of local records related to historical ownership, usage, and Site development. This also included interviewing local environmental authorities, as applicable, to obtain information (if any) regarding complaints, violations, citations, or inspections related to the Site.

- Review of published federal regulatory records related to on-Site activities and to potential off-Site sources of oil or hazardous material impacts. Federal records reviewed include the following:

    - National Priorities List (NPL)
    - Delisted NPL
    - Superfund Enterprise Management System (SEMS [formerly Comprehensive Environmental Response, Compensation and Liability Information System – CERCLIS])
    - SEMS-Archive (formerly CERCLIS No Further Remedial Action Planned)
    - Resource Conservation and Recovery Act (RCRA) Corrective Action (CORRACTS)
    - Treatment, Storage and Disposal (TSD)
    - Hazardous Waste Generators (Large Quantity Generator [LQG], Small Quantity Generator [SQG])
    - Institutional Controls/Engineering Controls
    - Emergency Release Notification System (ERNS)

- Review of readily available state and tribal regulatory records and publications for environmental activities related to the Site and potential off-Site sources of oil or hazardous material impacts. State and tribal records reviewed include the following:

    - State-equivalent NPL (Envirostor, Hist Cal-Sites, CA Bond Ex. Plan)
    - State-equivalent SEMS (Response)
    - Landfill and/or Solid Waste Disposal
    - Leaking Underground Storage Tank (LUST)
    - Underground Storage Tank (UST)
    - Institutional Controls/Engineering Controls
    - Voluntary Cleanup
    - Brownfields

- Review of proprietary records maintained by Environmental Data Resources, Inc. (EDR).

- Review of readily available historic Site documents to assess for potential on-Site sources of oil or hazardous material impacts.

- Review of readily available aerial photos for the Site and Site vicinity to evaluate present and historical development/facilities.

- Review of readily available plans and documents relative to construction materials utilized at the Site and any historical renovation activities.

- Visual inspection of the interior and exterior of Site structures to confirm the presence or absence of suspect asbestos-containing materials (ACMs) and lead-based paint (LBP) and other lead-containing materials (LCMs), and to note the presence or absence of obvious (visual or olfactory) mold conditions or water damage.

- Preparation of a Phase I ESA report.

2.2 SIGNIFICANT ASSUMPTIONS, LIMITATIONS AND EXCEPTIONS, SPECIAL TERMS AND CONDITIONS

2.2.1 Significant Assumptions

Information provided by others to Tetra Tech is assumed to be accurate and complete. When provided, Tetra Tech has made reasonable inquiry into the accuracy of such information. Unless such inquiry indicated otherwise, the information was considered to be accurate and complete. As discussed below in this Section 2.2, there are limitations to this assumption.

There were no other significant assumptions made during the conduct of this Phase I ESA.

2.2.2 Limitations and Exceptions

Tetra Tech did not significantly delete or deviate from the scope and limitations set forth in the ASTM Standard Practice E1527-21 document entitled, "Standard Practice for Environmental Assessments: Phase I Environmental Site Assessment Process," except for the following:

- Tetra Tech's limited visual survey for suspect ACMs, suspect LBP and other LCMs, and obvious mold/microbial growth/moisture accumulation or water damage was limited to observations in readily and physically accessible areas of the Site. The limited visual surveys listed above were not formal surveys and were not performed by a certified asbestos, LBP/LCM, and mold inspector.

- Tetra Tech's assessment of the potential presence of radon and wetlands at the Site was limited to review of reasonably ascertainable information.

Our professional services have been performed, our findings obtained, and our conclusions prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This warranty is in lieu of all other warranties, either expressed or implied. Tetra Tech is not responsible for the independent conclusions, opinions, or recommendations made by others based on the records review, Site inspection, field exploration, and/or laboratory test data (if any) presented in this Report.

It should be noted that all surficial environmental assessments are inherently limited in the sense that conclusions are drawn from information obtained from limited research and Site evaluation. Subsurface conditions were not field investigated as part of this study and may differ from the conditions implied by the surficial observations. Additionally, the passage of time may result in a change in the environmental characteristics at this Site and surrounding properties. This Report does not warrant against future operations or conditions, nor does this Report warrant operations or conditions present of a type or at a location not investigated. This Report is not a regulatory compliance audit.

This assessment is not intended to assess if any soil contamination, waste emplacement, or groundwater contamination exists by subsurface sampling through the completion of soil borings and the installation of monitoring wells. The scope of work, determined by the client, did not include these activities.

Tetra Tech reviewed past ownership of the Site with the intent to evaluate past Site usage. Tetra Tech is not a professional title insurance firm and makes no guarantee, either explicit or implied, that the list which was reviewed represented a comprehensive delineation of past Site ownership or tenancy for legal purposes.

This Report was prepared, in part, based on information supplied to Tetra Tech from outside sources and from other information that is in the public domain. Tetra Tech makes no warranty as to the accuracy of statements made by others that may be contained in the Report; nor are any other warranties or guarantees, express or implied, included or intended by the Report, except that it has been prepared in accordance with current generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other environmental professionals performing the same or similar services.

2.2.3 Special Terms and Conditions

There were no special terms or conditions associated with this Phase I ESA.

2.3 USER RELIANCE

It is Tetra Tech's understanding that this Phase I ESA is being requested in conjunction with due diligence activities by LAUSD as part of a current transaction. This Report for the current transaction is one upon which LAUSD may rely subject to the terms and conditions in Work Authorization No. E-312123-1TTI referenced above in Section 2.0. Except to the extent provided in this Section 2.3, no other party shall have any right to rely on any service provided in connection with this Report by Tetra Tech without Tetra Tech's prior written consent. Any authorized third-party use of this Report shall be subject to the terms and conditions governing the scope of work in Work Authorization No. E-312123-1TTI and shall be limited by the exceptions and limitations in this Report, and with the acknowledgment that actual Site conditions may change with time, and that hidden conditions may exist at the Site that were not discoverable within the authorized Phase I ESA scope of work. Any unauthorized release or misuse of this Report shall be without risk or liability to Tetra Tech.

3.0 PROPERTY DESCRIPTION

3.1 SITE RECONNAISSANCE

The Site reconnaissance was conducted by Tetra Tech representative Ms. Tanya MacLean on January 7, 2022. Ms. MacLean was accompanied during the inspection by Mr. Steven Morrill (Site Assessment Project Manager with LAUSD). Ms. MacLean interviewed Mr. Alberto Castro (Plant Manager with 49th Street Elementary School) prior to the inspection. The weather during the Site reconnaissance was characterized by clear skies with a temperature of approximately 55 to 65 degrees Fahrenheit (ºF).

In addition to the Site reconnaissance, resources such as geologic maps, wetlands maps, United States Geological Survey (USGS) topographic maps, aerial photographs, and regulatory agency records pertaining to the Site and surrounding properties were reviewed if reasonably ascertainable.

3.2 GENERAL SITE CONDITIONS

The Site is located at the southwest corner of the intersection of East 49th Street and McKinley Avenue in Los Angeles, California. It is comprised of two parcels of land totaling approximately 5.73 acres. According to information on file at the Los Angeles County Assessor's office, the Site parcels are designated by Assessor's Parcel Numbers (APNs) 5108-011-909 and 5108-011-910. The Site location is shown on Figure 1 – Site Location Map.

None of the following features were observed at the Site during the Site reconnaissance: clarifiers, oil/water separators, lifts/hoists, trench drains, wastewater treatment systems, pits, ponds, lagoons, pools of liquid or discolored water, pavement patches indicative of removed subsurface features or subsurface investigation/remediation, evidence of filling, and wells (dry wells, water supply wells, monitoring wells, extraction wells, injection wells, vapor wells). No strong, pungent, or noxious odors were noted at the Site during the Site reconnaissance.

3.3 SITE IMPROVEMENTS

The Site is improved with seven buildings including one administration/library/classroom building (Building ID # 14036), four classroom buildings (classroom building [Building ID # 13718], west building [Building ID # 13933], main building [Building ID # 14040], and south building [Building ID # 13583]), an auditorium building (Building ID # 14196), and a cafeteria building (Building ID # 13566). According to LAUSD, the existing buildings were constructed between 1923 and 1969. For a layout of the Site, please refer to Figure 2 – Site Map.

3.3.1 Exterior Improvements

The remainder of the Site is improved with asphalt-paved playground areas, asphalt-paved parking and driveways, concrete walkways, and landscaping (trees, shrubs, and grass). No areas of staining considered to be significant, or stressed vegetation, were observed at the Site.

3.3.2 Building Description

The Site buildings are of concrete and wood frame construction with concrete slab-on-grade foundations and flat built-up composition roofs. Observed interior finishes included ceramic tile, wood flooring, vinyl flooring (tiles and sheeting), vinyl cove base, acoustic ceiling tile, and painted drywall. The exterior

finish of the buildings is painted stucco. The observed building areas appeared to be in generally good condition.

3.3.3 Utilities

The following utilities are provided to the Site:

Water:	Los Angeles Department of Water and Power (LADWP).
Sewer:	Los Angeles Bureau of Sanitation (LABS).
Natural Gas:	Southern California Gas Company (SCGC).
Electricity:	LADWP.

No information on other on-Site utilities, such as dry wells, septic systems, cesspools, irrigation wells, or drinking water wells, was found during this assessment.

3.4 CURRENT SITE USE

The Site was occupied by a 49th Street Elementary School. The Site is improved with seven buildings as noted previously. There are a total of 46 classrooms. Janitorial storage closets/rooms were observed in most of the Site buildings. A boiler/incinerator room was observed in the main building. A modern boiler was present in the boiler/incinerator room. It is presumed that the original boiler for the school was present in this room and removed, and it is unknown how the original boiler was fueled. No evidence of an active petroleum-based heating fuel source was observed at the Site. Sumps (up to four) were also observed in the boiler/incinerator room. Approximately 15 square feet of pink staining was observed around one of the sumps in the boiler/incinerator room. A hazardous materials storage container was observed in the central south portion of the Site and was used for the storage of maintenance related chemicals. Several metal shipping containers were observed along the south and west borders of the Site and were used for the storage of supplies/equipment. No other areas of staining considered to be significant, or stressed vegetation, were observed at the Site. Current and historical use of the boiler/incinerator room, including the potential use of petroleum fuels, the presence of an incinerator, and the presence of pink staining around a sump, is considered to be an REC.

3.5 ENVIRONMENTAL SETTING

3.5.1 Topography

The location of the Site is shown on the 2018 USGS Inglewood, California, quadrangle topographic map. According to the contour lines on the topographic map, the Site is located at an elevation of between approximately 180 feet above mean sea level (msl). The topography in the near vicinity of the Site slopes downward to the southwest.

3.5.2 Subsurface Geologic Conditions

The Site is located within the Central Subbasin of the Los Angeles Basin (California Department of Water Resources [CADWR], 2003). The Los Angeles Basin is a structurally complex Miocene-age depositional basin that encompasses the entire Los Angeles physiographic basin, as well as the Santa Monica Mountains, San Fernando Valley, San Gabriel Valley, the southern foothills of the San Gabriel Mountains, much of the northern Santa Ana Mountains, and the San Joaquin and Palos Verdes Hills (Yerkes, et al., 1965). The Los Angeles Basin includes the low portions of the Los Angeles coastal plain, the Coyote Hills uplift, the La Habra Valley, the San Joaquin Hills, the Newport and Huntington Beach mesas, and the Santa Ana Mountains.

Throughout the Central Subbasin of the Los Angeles Basin (Central Subbasin), groundwater occurs in Holocene- and Pleistocene-age sediments at relatively shallow depths (CADWR, 2004). The Central Subbasin contains many aquifers of permeable sands and gravels separated by semi-permeable to impermeable sandy clay to clay that extend to approximately 2,200 feet below ground surface (bgs). The main productive freshwater-bearing sediments are contained within Holocene-age alluvium and the Pleistocene-age Lakewood and San Pedro Formations.

According to the United States Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS), Web Soil Survey, soils in the Site area are comprised of the urban land-Hueneme, drained-San Emigdio complex (sandy loam, loamy fine sand, very fine sandy loam, fine sandy loam, silt loam, and loamy sand).

3.5.3 Groundwater Depth and Flow Direction

Tetra Tech reviewed the State Water Resources Control Board's (SWRCB's) GeoTracker website for information regarding groundwater depth and flow direction in the vicinity of the Site. Depth to groundwater at a property located approximately 0.3 miles north-northwest of the Site (Winall Oil #9 at 4442 Avalon Boulevard) was reported to range from 190.45 to 219.3 feet below ground surface (bgs), with a groundwater flow direction towards the east (California Regional Water Quality Control Board – Los Angeles Region [LARWQCB], 2014).

4.0 HISTORICAL RECORDS REVIEW

Past land uses were reviewed to evaluate if historical practices or conditions may have negatively impacted the Site. This was accomplished via review of ownership records, agency records, and historical city directories, and review and analysis of aerial photographs, topographic maps, and Sanborn maps for the Site and immediate vicinity.

4.1 PRIOR OWNERSHIP

According to information from the Los Angeles Assessor's office and the chain-of-title information contained in the Environmental Lien and Other Activity Use Limitations (AULs) Search report obtained from Texas Environmental Research, the Site parcels have been owned By J. A. McKinley (on at least March 11, 1937), City of Los Angeles (March 11, 1937 to August 14, 1943), LA Unified School, Trustees (August 14, 1943 to September 25, 1969), and LA Unified School District (September 25, 1969 until the present). No other information regarding ownership prior to 1995 was reasonably ascertainable from the Los Angeles Assessor's office.

4.2 PRIOR SITE AND SURROUNDING PROPERTIES USES

Prior uses of the Site and surrounding properties were obtained from review of agency records and historical information obtained from EDR (city directories, aerial photographs, Sanborn maps, and topographic maps). Table 4.2 below is a summary of historical information obtained from EDR (provided in Appendix C). Information from the other historical sources is included in the summary at the end of this section and is discussed in more detail in other sections of this Report.

Table 4.2 – Prior Uses of Site and Surrounding Properties

Decade Starting	Site	Surrounding Properties	Sources
1890	Undeveloped or vacant land.	Undeveloped or vacant land.	T (1896)
1900	Single-family residences and associated sheds and stables, and vacant lots.	N: Single-family residences and associated sheds and stables, and vacant lots. E: Single-family residences and associated sheds and stables, and vacant lots. S: Single-family residences and associated sheds, and vacant lots. W: Single-family residences.	S (1906)
1910	No sources found.	No sources found.	N/A
1920	By 1922, the east portion of the Site was developed with the existing 49th Street Elementary School. A public school building and two school room structures were depicted. The remainder of the Site was depicted with single-family residences and associated sheds, automobile garages, and stables, multi-family residential properties, and vacant lots. By 1928, the existing west building was	N: No significant changes noted; however, more single-family residences were depicted. City directory listings for residential tenants (677, 683, 695, 709, 721, 727, 733, 745, 751, 755, and 763 East 49th Street). E: No significant changes noted. S: No significant changes noted. W: No significant changes noted.	A (1923, 1928) CD (1920-1929) S (1922) T (1923, 1924)

Table 4.2 – Prior Uses of Site and Surrounding Properties			
Decade Starting	**Site**	**Surrounding Properties**	**Sources**
	depicted. No city directory listings for the Site.		
1930	By 1938, the 49th Street Elementary School facility in the east portion of the Site had additional buildings including the existing south building, the existing auditorium building, and several former small additional buildings. The main building had been constructed. The remainder of the Site was depicted with single-family residences with associated buildings, multi-family residential properties, and vacant lots. No city directory listings for Site.	N: No significant changes noted. City directory listings for residential tenants (677, 683, 695, 709, 721, 727, 733, 745, 751, 755, and 763 East 49th Street). E: No significant changes noted. S: No significant changes noted. W: No significant changes noted.	A (1938) CD (1930-1939) T (1937)
1940	No significant changes noted. No city directory listings for Site.	N: No significant changes noted. City directory listings for residential tenants (677, 683, 695, 709, 721, 727, 733, 745, 751, 755, and 763 East 49th Street). E: No significant changes noted. S: No significant changes noted. W: No significant changes noted.	A (1948) CD (1940-1949) T (1948)
1950	By 1953, the 49th Street Elementary School facility in the east portion of the Site had additional buildings including a former cafeteria building, two former classroom buildings, and small former storage building. No significant changes were noted on the remainder of the Site. City directory listings for residential tenants (676, 708, 716, and 724 East 49th Street and 677, 685, 687, 689, 693, 695, 701, and 711 East 50th Street).	N: No significant changes noted. City directory listings for residential tenants (677, 695, 701, 709, 715, 727, 733, 739, 751, 763, 771, 773, and 775 East 49th Street). E: No significant changes noted. S: No significant changes noted. W: No significant changes noted.	A (1952) CD (1950-1958) S (1953, 1954, 1955) T (1950, 1952)
1960	By 1960, an additional former classroom building was depicted at the 49th Street Elementary School facility. By 1962, one former classroom had been removed and three additional former classroom buildings were depicted. By 1966, the existing administration/library/ classroom building was depicted and four of the former classroom buildings had been removed. No significant changes were noted on the remainder of the Site, although four of the lots west of the school were vacant by 1966.	N: No significant changes noted. City directory listings for residential tenants (677, 683, 687, 709, 715, 721, 727, 733, 739, 751, and 773 East 49th Street). E: No significant changes noted. S: No significant changes noted. W: No significant changes noted.	A (1964) CD (1960-1969) S (1960, 1962, 1966, 1968) T (1964)

Table 4.2 – Prior Uses of Site and Surrounding Properties			
Decade Starting	**Site**	**Surrounding Properties**	**Sources**
	City directory listing for 49th Street Elementary School (692 and 750 East 49th Street) and residential tenants (687, 693, and 695 East 50th Street).		
1970	By 1970, the existing classroom building and the existing cafeteria building were depicted, and a former classroom building had been removed. The footprint of the 49th Street Elementary School facility had expanded to include all but two lots at the northwest corner of the Site. One of these lots was a single-family residence and one was a multi-family residential property. By 1972, the 49th Street Elementary School facility had expanded to the current footprint. City directory listing for 49th Street Elementary School (750 East 49th Street).	N: No significant changes noted. City directory listings for residential tenants (677, 709, 721, 727, 733, and 751 East 49th Street). E: No significant changes noted. S: No significant changes noted. W: No significant changes noted.	A (1970, 1972) CD (1970-1976) T (1972)
1980	No significant changes noted. City directory listing for 49th Street Elementary School (750 East 49th Street).	N: No significant changes noted. City directory listings for residential tenants (677, 683, 695, 709, 721, 727, 727, 733, 739, 745, 751, 755, and 763 East 49th Street). E: No significant changes noted. S: No significant changes noted. W: No significant changes noted.	A (1981, 1989) CD (1980-1986) T (1981)
1990	No significant changes noted. City directory listing for 49th Street Elementary School (750 East 49th Street).	N: No significant changes noted. City directory listings for residential tenants (683, 687, 695, 701, 709, 715, 721, 733, 739, 745, 751, 755, 763, 771, 773, and 775 East 49th Street). E: No significant changes noted. S: No significant changes noted. W: No significant changes noted.	A (1994) CD (1990-1999) T (1991/ 1994)
2000	No significant changes noted. City directory listing for 49th Street Elementary School (750 East 49th Street) and Los Angeles Unified School District (750 East 49th Street).	N: No significant changes noted. City directory listings for residential tenants (683, 687, 695, 701, 709, 715, 721, 727, 733, 739, 745, 751, 755, 763, 771, 773, and 775 East 49th Street). E: No significant changes noted. S: No significant changes noted. W: No significant changes noted.	A (2002, 2005, 2009) CD (2000-2009)
2010	No significant changes noted. City directory listing for 49th Street Elementary School (750 East 49th Street).	N: No significant changes noted. City directory listings for residential tenants (683, 687, 695, 701, 709, 715, 721, 727, 733, 739, 745, 751, 755, 763, 771, 773, and 775 East 49th Street). E: No significant changes noted. S: No significant changes noted. W: No significant changes noted.	A (2012, 2016) CD (2014) T (2012, 2015, 2018)

Table 4.2 – Prior Uses of Site and Surrounding Properties			
Decade Starting	**Site**	**Surrounding Properties**	**Sources**
N = north, E = east, S = south, W = west Sources: A = aerial photograph (year in parentheses), CD = city directory abstract (year in parentheses), S = Sanborn fire insurance map (year in parentheses), T = topographic map (year in parentheses), and N/A = not applicable (no sources found).			

According to the historical records reviewed, the Site was depicted as undeveloped or vacant land in 1896, and depicted with vacant lots and single-family residences and associated sheds and stables in 1906. By 1922, the east portion of the Site was redeveloped with the 49th Street Elementary School facility and included a former public school building and two smaller former classroom buildings. According to LAUSD information, the seven buildings were constructed between 1923 and 1969. By 1970, the footprint of the 49th Street Elementary School facility had expanded to almost the current layout; one single-family residence and one multi-family residential property remained in the northwest portion of the Site. By 1972, the 49th Street Elementary School facility had expanded to the existing footprint.

It is Tetra Tech's understanding that historical use of hazardous materials at LAUSD facilities has the potential to have impacted the Site, and the following are considered to be RECs:

- The potential presence of lead-contaminated soils in the vicinity of the on-Site buildings (historic and current) associated with the potential use of LBP in the buildings.

- The potential presence of organochlorine pesticide (OCP)-contaminated soils in the vicinity of the on-site buildings (historic and current) associated with the potential application of OCPs applied at wood building foundations for termite control.

- The potential presence of PCB-contaminated soils beneath in the vicinity of the on-Site buildings (historic and current) due to the potential use of PCB-containing caulking and paints in the buildings.

- The potential presence of arsenic-contaminated soils beneath the Site pavement due to LAUSD's former standard practice of applying herbicides containing arsenic prior to paving.

4.3 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

Tetra Tech requested previous environmental investigation reports for the Site from LAUSD. Several previous environmental investigation reports were provided and are summarized below. No other previous environmental investigation reports were provided and none were found during the conducting of this assessment.

Lindmark Engineering (LE), 2007, Soil Certification Report, LAUSD 49th Street Elementary School, 750 East 49th Street, Los Angeles, California: dated October 15, 2007

This report summarized the results of soil characterization activities performed in 2007 including stockpiled soil sampling and laboratory analysis.

During construction at the 49th Street Elementary School, approximately 5 cubic yards of soil and/or base material was excavated and stockpiled by a LAUSD contractor to prepare the surface for new paving. The excavated and stockpiled soil was temporarily stored on the school property. Prior to reuse of the excavated material at a school site or transportation to an off-Site disposal facility, laboratory analysis was performed to determine any hazardous characteristics.

One soil sample was collected from the stockpile and analyzed for total petroleum hydrocarbons as gasoline, diesel, and oil (TPHg, TPHd, TPHo), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), organochlorine pesticides (OCPs), organophosphorous compounds, chlorinated herbicides, California Code of Regulations Title 22, California Assessment Manual (CAM) metals, arsenic, thallium, and hexavalent chromium.

The soil sample had detectable concentrations of the OCPs gamma- and alpha-chlordane (7.04 and 5.01 micrograms per kilogram [µg/kg], respectively), dichloro-diphenyl-dichloroethylene (DDE, 7.84 µg/kg), and 4,4'-(2,2,2-trichloroethane-1,1-diyl)bis(chlorobenzene) (DDT, 14.4 µg/kg). LE reported that the detected concentrations were below the screening values based on the California Human Health Screening Levels (CHHSLs) for OCPs. The soil sample also had detectable concentrations of fourteen metals, however LE reported that none of the metal concentrations exceeded either the DTSC screening level or the EPA residential Preliminary Remediation Goal (PRG). No TPH compounds, VOCs, SVOCs, PCBs, organophosphorus compounds, or chlorinated herbicides were detected at or above laboratory practical quantitation limits (PQLs).

Based on the laboratory analytical results of the soil sample collected from the stockpiled soil, no elevated concentrations of compounds tested were detected. However, LE concluded that based on the LAUSD guidelines, the soil was not eligible for re-use at any LAUSD school site with OCP concentrations above the laboratory detection limits. LE recommended disposal of the soil at a local landfill or at a licensed recycling facility.

Bader Environmental Services (BE), 2008, Soil Certification Report Phase II, LAUSD 49th Street Elementary School, 750 East 49th Street, Los Angeles, California: dated October 30, 2008

This report summarized the results of soil characterization activities performed in 2008 including stockpiled soil sampling and laboratory analysis.

During construction at the 49th Street Elementary School, soil and base material was excavated and stockpiled by the LAUSD contractor in order to prepare the surface for new paving. The stockpile was approximately 700 cubic yards. Three composite samples were collected from the stockpile and analyzed for TPHg, TPHd, TPHo, VOCs, SVOCs, PCBs, OCPs, organophosphorous compounds, chlorinated herbicides, CAM metals, arsenic, thallium, and hexavalent chromium.

A total of 13 metals were detected in the composite soil samples; however, BE reported that all detected metal concentrations were below their respective Total Threshold Limit Concentrations (TTLC) and none of the concentrations exceeded their respective State and Federal health-risk based screening levels for use in residential soil, except from arsenic and lead.

Lead concentrations in the soil samples ranged from 50.5 milligrams per kilogram (mg/kg) to the maximum reported concentration of 85.6 mg/kg, The soil samples were then re-analyzed using Soluble Threshold Limit Concentration (STLC) and Toxic Characteristic Leaching Procedure (TCLP) for lead. Based on laboratory results, the STLC regulatory limit for lead of 5 milligrams per liter (mg/l) was exceeded in one of the three composite samples (SP1, 5.50 mg/l). Based on the TCLP results, the soil samples were classified as non-RCRA, California-designated hazardous waste.

Soil samples had arsenic concentrations up to 11 mg/kg, in composite sample SP2, which BE reported to exceed the United States Environmental Protection Agency (USEPA) Preliminary Remediation Goal (PRG) for residential soil of 0.062 mg/kg and the screening level set forth in LAUSD Guidance Section 01440 of 6.0 mg/kg. However, the arsenic concentration was below the screening level of 12.0 mg/kg applied by the LAUSD throughout the District.

Soil samples had detectable concentrations of OCP, TPHd, TPHo, and PCBs, at concentrations reported by BE to be below applicable agency regulatory limits. No VOCs, SVOCs, organophosphorus compounds, or chlorinated herbicides were detected at or above the PQLs.

Based on the laboratory analytical results of the composite samples collected from the stockpiled soil, and local, state and federal guidelines, BE concluded that the soil was not eligible for reuse at any LAUSD school site or other sites due to detected lead STLC concentrations above 5.0 mg/l. BE recommended disposal of the soil at a non-RCRA, California-designated hazardous waste facility.

Converse Consultants (Converse), 2009, Export Soil Sampling Report, LAUSD 49th Street Elementary School, 750 East 49th Street, Los Angeles, California: dated January 27, 2009

This report summarized the results of soil characterization activities performed in 2009 including stockpiled soil sampling and laboratory analysis.

A 30 cubic yard stockpile of soil was present at the Site and was planned to be exported from the Site. Three soil samples were collected from the stockpile and combined into one composite soil sample. The composite soil sample was analyzed for TPHg, TPHd, TPHo, VOCs, SVOCs, PCBs, OCPs, organophosphorous pesticides, chlorinated herbicides, and CAM metals.

Three OCPs were reported in the soil sample including Chlordane, DDE, and DDT were reported with concentrations of 2.61, 1.84, and 3.77 µg/kg. These concentrations were reported by Converse to be below the TTLC. Converse also reported that TPH heavy hydrocarbons and metals were detected in the soil samples below applicable agency regulatory limits.

Based on the laboratory analytical results, Converse concluded that the soil may not have been acceptable for use on-Site or at other LAUSD school sites due to the detections of OCPs at any concentration without further evaluation and possible health risk screening. Converse recommended providing analytical data to any disposal facility to ensure acceptance of the soil.

Tetra Tech Conclusion

The identification of elevated concentrations of OCPs and lead in soils at the Site is consistent with the historical use of hazardous materials at LAUSD facilities previously discussed in Section 4.2 and considered to be a REC to the Site.

5.0 REGULATORY REVIEW

5.1 STANDARD ENVIRONMENTAL RECORD SOURCES

Tetra Tech procured and reviewed a computer-generated database report from EDR. The EDR database report is provided in Appendix B. A review of databases and files from federal, state, and local environmental regulatory agencies was conducted to identify use, generation, storage, treatment or disposal of hazardous materials and chemicals, or release incidents of such materials which may impact the Site. The databases discussed in the following section address ASTM requirements. Additional federal and state databases were reviewed. Please refer to the EDR database report for a detailed listing.

Included in the EDR report is an orphan summary. This summary lists facilities that are contained on one of the above-referenced databases or lists, but for which complete or accurate geographic data was not available. Consequently, EDR was unable to map the facilities in relation to the Site. This list was reviewed during Site reconnaissance to evaluate whether the properties referenced are within ASTM search distances. Properties within ASTM distances were incorporated into Tetra Tech's review.

A summary of the EDR database information is provided in Table 5.1.

Table 5.1 – EDR Database Summary

Database	Radius	Target Property	Surrounding Facilities
Federal			
National Priorities List (NPL)	1 Mile	No	0
Proposed NPL	1 Mile	No	0
Delisted NPL	1 Mile	No	0
Superfund Enterprise Management System (SEMS [formerly Comprehensive Environmental Response, Compensation and Liability Information System – CERCLIS])	½ Mile	No	1
SEMS-Archive (formerly CERCLIS No Further Remedial Action Planned)	½ Mile	No	3
Resource Conservation and Recovery Act (RCRA) Corrective Action Treatment, Storage, and Disposal (TSD) Facilities (CORRACTS)	1 Mile	No	1
RCRA Non-Corrective Action (TSD) Facilities	½ Mile	No	0
RCRA Waste Generators	Site & adjacent	**Yes**	2
RCRA Non-Generators (NonGen)	Site & adjacent	No	0
US Brownfields	½ Mile	No	3
2020 Corrective Action (2020 COR ACTION)	¼ Mile	No	0
Formerly Used Defense Sites (FUDS)	1 Mile	No	1
Formerly Utilized Sites Remedial Action Program (FUSRAP)	1 Mile	No	0
Department of Defense (DOD)	1 Mile	No	0
Records of Decision (ROD)	1 Mile	No	0
United States Aerometric Information Retrieval System Facility Subsystem (US AIRS)	Site	No	N/A
Integrated Compliance Information System (ICIS)	Site	No	N/A
Institutional Control/Engineering Control (IC/EC)	Site	No	N/A
Emergency Response Notification System (ERNS)	Site	No	N/A

Table 5.1 – EDR Database Summary			
Database	**Radius**	**Target Property**	**Surrounding Facilities**
State and Tribal and EDR Proprietary			
CA Response	1 Mile	No	3
Envirostor	1 Mile	No	79
Solid Waste Facilities/Landfill Sites (SWF/LF)	½ Mile	No	0
Recycling Facilities (SWRCY)	½ Mile	No	5
Waste Management Unit Database System (WMUDS/SWAT)	½ Mile	No	0
Leaking Underground Storage Tank (LUST)	½ Mile	No	4
Cortese/Hist Cortese	½ Mile	No	5
Aboveground Storage Tank (AST)	Site & adjacent	No	0
Underground Storage Tank (UST) databases	Site & adjacent	No	0
Cleanup Program Sites – Spills, Leaks, Investigations, and Cleanups (CPS-SLIC)	½ Mile	No	2
Voluntary Cleanup Program (VCP)	½ Mile	No	0
Drycleaners	¼ Mile	No	0
Hazardous Waste and Corrective Action Facilities (HWP)	1 Mile	No	2
Air Emissions (EMI)	Site	No	N/A
HIST Cal Sites	1 Mile	No	1
CA Bond Exp. Plan	1 Mile	No	0
School Sites (SCH)	¼ Mile	No	1
California Environmental Reporting System (CERS)	¼ Mile	No	0
CERS Hazardous Waste	¼ Mile	No	2
CERS Tanks	¼ Mile	No	0
Los Angeles County Hazardous Materials Inventory (Los Angeles HM)	Site	**Yes**	N/A
Registered Waste Tire Hauler (Haulers)	Site	No	N/A
Hazardous Waste Tracking System (HWTS)	Site	**Yes**	N/A
Facility and Manifest Data (HAZNET)	Site	**Yes**	N/A
Enforcement & Compliance History Information (ECHO)	Site	**Yes**	N/A
California Hazardous Material Incident Report System (CHMIRS)	Site	No	N/A
National Pollutant Discharge Elimination System (NPDES)	Site	No	N/A
California Integrated Water Quality System (CIWQS)	Site	No	N/A
EDR Manufactured Gas Plants	1 Mile	No	0
EDR Historical Auto Stations	¼ Mile	No	2
EDR Historical Cleaners	¼ Mile	No	1
EDR Recovered Government Archive (RGA) Landfill	½ Mile	No	0
RGA LUST	½ Mile	No	0
Tribal databases	Various	No	0
N/A = not applicable			

5.1.1 Federal Regulatory Records

The Site was reported by EDR to be listed in the following federal regulatory agency database in Table 5.1: RCRA Waste Generators.

Several off-Site facilities located within ASTM search distances were reported by EDR to be listed in the following federal regulatory agency databases in Table 5.1: SEMS, SEMS-Archive, CORRACTS, US

Brownfields, FUDS, and RCRA Waste Generators. Adjacent properties were listed and are discussed below. Refer to the EDR database report in Appendix B for information regarding all of the listings. Based on information contained in the EDR database report, agency information reviewed by Tetra Tech, distance from the Site, presumed groundwater flow direction, and/or regulatory agency status, there was no information indicating a REC to the Site from the off-Site listed facilities.

Site – LAUSD 49th Street Elementary School – 750 East 49th Street
This on-Site facility was listed in the RCRA Waste Generators database as a small quantity generator (SQG) of hazardous wastes in 1987. Types of hazardous waste historically generated by this facility were not reported. No violations were reported by EDR for this facility. This facility was not listed by EDR as having had any releases.

Former Residence to Become Vacant Lot – 670 East 49th Street
This former facility was located adjacent to the west of the Site and upgradient of the Site. It was listed in the RCRA Waste Generators database as a large quantity generator (LQG) of hazardous wastes in 2012. Types of hazardous wastes historically generated by this facility included lead. No violations were reported by EDR for this facility. This facility was not listed by EDR as having had any releases. Based on the regulatory status, this former adjacent facility is not considered to be of environmental concern to the Site.

Former Residence to Become Vacant Lot – 4916 McKinley Avenue
This former facility was located adjacent to the east of the Site beyond McKinley Avenue and downgradient of the Site. It was listed in the RCRA Waste Generators database as a large quantity generator (LQG) of hazardous wastes in 2012. Types of hazardous wastes historically generated by this facility included lead. No violations were reported by EDR for this facility. This facility was not listed by EDR as having had any releases. Based on the regulatory status and groundwater flow direction, this former adjacent facility is not considered to be of environmental concern to the Site.

5.1.2 State and Tribal and EDR Proprietary Regulatory Records

The Site was reported by EDR to be listed in the state, tribal, or EDR proprietary databases listed in Table 5.1: HAZMAT, HWTS, HAZNET, and ECHO.

Several off-Site facilities located within ASTM search distances were reported by EDR to be listed in the following state regulatory agency databases in Table 5.1: CA Response, Envirostor, SWRCY, LUST, Cortese/Hist Cortese, CPS-SLIC, HWP, HIST Cal-Sites, SCH, CERS Hazardous Waste, EDR Historical Auto Stations, and EDR Historical Cleaners. No adjacent properties were listed. Refer to the EDR database report in Appendix B for information regarding all of the listings. Based on information contained in the EDR database report, agency information reviewed by Tetra Tech, distance from the Site, presumed groundwater flow direction, and/or regulatory agency status, there was no information indicating a REC to the Site from the off-Site listed facilities.

Site – LAUSD 49th Street Elementary School – 750 East 49th Street
This on-Site facility was listed in the HWTS, HAZMAT, HAZNET, and ECHO databases.

This former on-Site facility was listed in the HWTS database as a facility that generated/disposed of hazardous wastes in the years 1998 to the present.

This facility was listed in the Los Angeles HM database as having a permit. The status for the permit is inactive.

This facility was listed in the HAZNET database as historically generating hazardous wastes in the form of contaminated soil from site clean-up in 2008 and 2009, and asbestos containing waste, other inorganic solid waste, other inorganic solid waste, polychlorinated biphenyls (PCBs) and materials containing PCBs in the years 1998 to 2015. Refer to Section 4.3 for further discussion of impacted soil found at the Site in 2008 and 2009.

This facility was listed in the ECHO database as a RCRA Waste Generator. No violations were reported for this facility.

5.2 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

Historical addresses found for the Site include 676, 692, 708, 716, 724, 732, 734, 740, 748, 754, 764, and 794 East 49th Street; 677, 685, 687, 689, 693, 695, 701, 703, 709, 711, 713, 723, 727, 731, 733, 741, 749, 755, and 795 East 50th Street; and 4917 and 4927 McKinley Avenue. Records were requested from the agencies below for the current and historical Site addresses.

California Environmental Protection Agency, Department of Toxic Substances Control (Cal-EPA DTSC)
Tetra Tech requested records maintained by the Cal-EPA DTSC. No records were found for the Site.

California Geologic Energy Management Division (CalGEM)
Tetra Tech reviewed the CalGEM Online Mapping System database. No oil or gas wells were found on the Site or within a 0.25-mile radius of the Site. The Site is not located within the limits of a producing or abandoned oil, gas, or geothermal field.

National Pipeline Mapping System (NPMS)
Tetra Tech reviewed publicly accessible information maintained by the NPMS on its website. According to information found on this website, no underground oil or refined product pipelines are located at the Site or adjacent to the Site. No liquid or gas releases were reported for the area of the Site.

California Regional Water Quality Control Board – Los Angeles Region (LARWQCB)
Tetra Tech requested records for the Site maintained by the LARWQCB. No records were found for the Site.

South Coast Air Quality Management District (SCAQMD)
Tetra Tech reviewed publicly accessible records maintained by the SCAQMD in the Facility INformation Detail (FIND) database on its website. Records were found for the Site.

Records were found for LAUSD 49th Street Elementary School at 750 East 49th Street. The status for this facility is active. No permits were reported for the Site. Rule 222 and 1415 plan notifications were reported for the Site related to a boiler in the year 2001 and related to undesignated equipment in 2012, 2014, 2017, and 2018. No notice to comply or notices of violation were reported for this facility.

City of Los Angeles Bureau of Sanitation, Industrial Wastewater Management (LABS IWM)
Tetra Tech requested records for the Site from the LABS IWM. No records were found for the Site.

City of Los Angeles Department of Building and Safety (LADBS)
Tetra Tech reviewed information for the Site on file at the LADBS. Records found for the Site included the following:

- A permit to relocate a residential building from 733 East 50th Street in 1909 (733 East 50th Street).
- Permits for two residential buildings in 1905 (740 East 49th Street).

- A permit for a residential building in 1906 (755 East 50th Street).
- A permit for a residential building in 1906 (693 East 50th Street).
- A permit for a residential building in 1906 (677 East 50th Street).
- A permit for a new building in 1909 (732 East 49th Street).
- A permit for a multi-tenant residential building in 1910 (685 East 50th Street).
- A permit for a multi-tenant residential building in 1911 (693 East 50th Street).
- A permit to relocate a residential building from 755 East 50th Street in 1912 (755 East 50th Street).
- A permit to relocate a residential building from 732 East 49th Street in 1914 (732 East 49th Street).
- A permit for a residential building in 1915 (740 East 49th Street).
- A permit for a temporary school building in 1918 (770 East 49th Street).
- A permit for a 24-foot by 38-foot school building in 1919 (4917 McKinley Avenue).
- A permit for a residential building in 1921 (723 East 50th Street).
- A permit for a residential building in 1921 (723 ½ East 50th Street).
- A permit for a residential building in 1921 (727 ½ East 50th Street).
- A permit for a residential building in 1922 (725 East 50th Street).
- A permit for a residential building in 1922 (709 East 50th Street).
- A permit to relocate a residential building from 748 East 49th Street to 743 East 50th Street in 1923 (743 East 50th Street).
- A permit to relocate a residential building from 749 East 50th Street in 1924 (749 East 50th Street).
- A permit for a residential building in 1925 (703 East 50th Street).
- A permit to relocate a residential building from 741 East 50th Street to 733 East 50th Street in 1925 (733 East 50th Street).
- A permit to relocate a residential building from 740 East 49th Street in 1925 (740 East 49th Street).
- A permit to relocate a multi-tenant residential building to 708 ½ - 710 ½ East 49th Street in 1926 (708 ½ - 710 ½ East 49th Street).
- A permit for a new building in 1926 (768 East 49th Street).
- A permit for a new building in 1926 (710 East 49th Street).
- A permit for a new building in 1926 (708 East 49th Street).
- A permit for a new building in 1926 (719 East 50th Street).
- A permit for a new building in 1927 (734 East 49th Street).
- A permit for a lunch pavilion in 1930 (4917 McKinley Avenue).
- Permits to relocate two school bungalows to an off-Site location in 1932 (4917 McKinley Avenue).
- A permit to demolish a public school building in 1934 (4917 McKinley Avenue).
- A permit for two temporary sanitary buildings in 1934 (4917 McKinley Avenue).
- A permit for a temporary office bungalow in 1934 (4917 McKinley Avenue).
- A permit for a public school building in 1935 (4917 McKinley Avenue).
- A permit for a school auditorium in 1935 (4917 McKinley Avenue).
- A permit to relocate a school sanitary building to an off-Site location in 1932 (4917 McKinley Avenue).
- A permit to relocate a multi-tenant residential building from 732 East 49th Street in 1937 (732 East 49th Street).
- A permit for an incinerator in 1948 (4917 McKinley Avenue).
- A permit for a classroom building in 1950 (4917 McKinley Avenue).
- A certificate of occupancy for a classroom building in 1950 (4917 McKinley Avenue).
- A permit for a school building in 1952 (4917 McKinley Avenue).
- A certificate of occupancy for a school building in 1952 (4917 McKinley Avenue).
- A permit to relocate a residential building to 690 East 49th Street in 1952 (690 East 49th Street).

- A permit to relocate a multi-tenant residential building to 682-684 East 49th Street in 1956 (682-684 East 49th Street).
- A permit to relocate a multi-tenant residential building to 686-688 East 49th Street in 1956 (686-688 East 49th Street).
- A permit to relocate a multi-tenant residential building to 700-702 East 49th Street in 1956 (700-702 East 49th Street).
- A permit to relocate a multi-tenant residential building to 704-706 East 49th Street in 1956 (704-706 East 49th Street).
- A permit for a classroom building in 1960 (4917 McKinley Avenue).

According to LADBS information, the Site is not located within a LADBS-designated methane zone or methane buffer zone.

City of Los Angeles Fire Department (LAFD)
Tetra Tech reviewed the LAFD UST and LAFD Hazardous Materials Divisions listings of available records. Records were listed for the Site by the LAFD Hazardous Materials Division; however, no physical records were found for the Site. No records were found for the Site by the LAFD UST Division.

City of Los Angeles Planning Department (LAPD)
The LAPD shows the area of the Site to be zoned as public facilities (PF-1).

6.0 ON-SITE ENVIRONMENTAL ASSESSMENT

6.1 STORAGE TANKS

6.1.1 Underground Storage Tanks (USTs)

No visual evidence (i.e., pipes, vents and dispensers) indicating historical or existing on-Site USTs was observed at the Site. No information from Site history research and review of records and/or databases maintained by federal, state, county, and city agencies revealed the presence of historical or existing USTs at the Site except as noted below.

Two oil tanks were depicted at the Site on historical drawing provided by LAUSD. It is unknown if the depicted oil tanks were USTs and/or ASTs. The referenced oil tanks are considered to be a REC (refer to Section 9.2 for additional information).

6.1.2 Aboveground Storage Tanks (ASTs)

No visual evidence (i.e., concrete foundation or containment walls, pedestals or steel support structures) indicating existing or historical on-Site ASTs was observed at the Site. No information from Site history research and review of records and/or databases maintained by federal, state, county and city agencies revealed the presence of existing or historical ASTs at the Site except as noted below.

Two oil tanks were depicted at the Site on historical drawing provided by LAUSD. It is unknown if the depicted oil tanks were USTs and/or ASTs. The referenced oil tanks are considered to be a REC (refer to Section 9.2 for additional information).

6.2 ASBESTOS-CONTAINING MATERIALS (ACMs)

Based on the age of the Site buildings (1923 to 1969), it is possible that ACMs are present in the Site buildings. Observed inferred suspect ACMs noted during Tetra Tech's Site reconnaissance included ceramic floor tile mastic, vinyl flooring (tiles and sheeting) and mastic, vinyl cove base and associated mastic, drywall and associated joint compound, acoustic ceiling tile, stucco, and roofing materials. The suspect ACMs were generally in fair condition where observed. Untested suspect ACMs are considered to be a business environmental risk (BER).

6.3 LEAD-BASED PAINT (LBP) AND OTHER LEAD-CONTAINING MATERIALS (LCMs)

Based on the age of the Site buildings (1923 to 1969), it is possible that LBP and other LCMs are present in these Site buildings. The painted surfaces appeared to be in fair to good condition, with no significant areas of damaged paint noted. Other possible LCMs, such as ceramic floor tile and wall tile, also appeared to be in fair to good condition. Untested suspect LBP and other LCMs are considered to be part of the BER discussed above in Section 6.2.

6.4 HAZARDOUS MATERIALS USAGE

Hazardous materials observed at the Site included the following:

- 15 gallons of gasoline/diesel and approximately 10 gallons of maintenance chemicals in an exterior storage container in the central south portion of the Site. Tetra Tech was unable to access the interior of flammable-rated cabinet in the container to examine the contents of the cabinet.

- Two 5-gallon containers of corrosion control chemical in the boiler/incinerator room in the main building.

- Approximately 40 gallons of janitorial cleaners and 80 gallons of disinfectant in the janitorial storage room in the west building.

- Approximately 15 gallons of janitorial cleaners in the auditorium building.

- Approximately 10 gallons of cleaners in the kitchen in the cafeteria building.

- Minor amounts of janitorial supplies in the janitorial closets in the remaining Site buildings.

Hazardous materials were observed to be stored without secondary containment. No staining or other evidence of spills was observed.

6.5 SOLID WASTE MANAGEMENT

Solid wastes were collected in dumpsters in the central south portion of the Site. Tetra Tech observed no evidence of inappropriate solid waste disposal during this assessment. No staining or evidence of hazardous substance disposal was observed inside or around the solid waste dumpsters.

6.6 HAZARDOUS WASTE MANAGEMENT

No hazardous wastes were observed during the Site reconnaissance.

6.7 POLYCHLORINATED BIPHENYLS (PCBs)

Fluorescent light fixtures (including ballasts and bulbs/tubes) were observed in the Site buildings. According to LAUSD, a fluorescent light ballast survey was conducted at the Site in January 2016 and no PCB-containing fluorescent light ballast were found.

One pad-mounted transformer was observed in the central south portion of the Site. No staining or other evidence of leaks was observed around the transformer. Considering the Site buildings were constructed from 1923 to 1969, it is possible that any transformer at the Site contains PCBs. The transformer is owned by LADWP, which is presumed to be responsible for the clean-up of any leaks or spills from transformers. The presence of a potentially PCB-containing transformer is considered to be a BER.

Based on the age of these Site buildings, it is possible that caulking and paints contain PCBs. The potential presence of PCB-contaminated soils in the vicinity of the on-Site buildings (historic and current) due to the potential use of PCB-containing caulking and paints in the buildings is considered to be a REC (previously discussed in Section 4.2).

No other potentially PCB-containing equipment was observed at the Site.

6.8 MERCURY

Fluorescent lighting (bulbs/tubes) was observed at the Site buildings. Fluorescent bulbs/tubes contain mercury. Evidence of damage or leakage was not observed.

6.9 WATER AND WASTEWATER/STORM WATER

6.9.1 Water Supply

Potable water is provided to the Site by the LADWP. Site reconnaissance and review of local records did not reveal the presence of on-Site water supply or irrigation wells. According to the EDR database report, no public water supply wells were reported to be located within a 0.25-mile radius of the Site.

6.9.2 Wastewater

Domestic wastewater generated at the Site is discharged to the LABS sanitary sewer system.

No industrial wastewater is reported to be currently generated at the Site and no evidence of industrial wastewater generation was observed during the Site reconnaissance.

6.9.3 Storm Water

Storm water is expected to percolate into unpaved areas at the Site parcels and to flow onto surrounding properties and streets topographically downslope from the Site. No industrial stormwater permits were found for the Site. No evidence of storm water run-off controls was observed and no storm water pollution prevention plan (SWPPP) was found for the Site during the conduct of this assessment.

6.10 SURFACE WATER AND WETLANDS

No surface water or wetland areas were observed on or adjacent to the Site. No wetland areas were found on or adjacent to the Site during review of the United States Fish and Wildlife Service (USFWS) website interactive mapping service.

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) depicting the Site parcel, Panel No. 34005C 0232G, the Site parcels are located in Zone X (unshaded). According to FEMA website information, Zone X (unshaded) includes: areas of minimal flood hazard.

6.11 RADON

The Site is located within a Zone 2 radon area, indicating that the average indoor radon level is greater than or equal to 2.0 picoCuries (pCi/L) of air but less than or equal to 4.0 pCi/L of air. The USEPA action level for radon is 4.0 pCi/L. According to state residential radon survey information contained in the EDR database report, one test was conducted within Los Angeles County in the same zip code as the Site. The test had a radon concentration below the USEPA action level for radon. According to federal residential radon survey information contained in the EDR database report, 63 tests were conducted within Los Angeles County. All but one of these tests in first floor living areas had a radon concentration below the USEPA action level for radon. All of the tests in basement areas had radon concentrations below the USEPA action level for radon.

6.12 AIR EMISSIONS

There were no observed Site operations involving emissions that appeared to require permitting, emission controls, or abatement activities. This should not, however, be considered a regulatory compliance audit.

6.13 DRY CLEANING OPERATIONS

Site reconnaissance, as well as review of available historical and regulatory records, did not reveal the presence of current or historic on-Site dry cleaning operations.

6.14 MICROBIAL GROWTH AND MOISTURE INTRUSION

No evidence of potential microbial growth and/or moisture intrusion was observed at the Site.

6.15 ENVIRONMENTAL NON-COMPLIANCE ISSUES

No environmental non-compliance issues associated with current Site use were noted at the Site. This should not be considered a regulatory compliance audit.

6.16 VAPOR INTRUSION

No information regarding a potential vapor encroachment condition (VEC) indicative of vapor intrusion (VI) by volatile compounds at the Site was found during this assessment.

6.17 SITE-SPECIFIC ENVIRONMENTAL ISSUES

No HRECs or PECs were found to be associated with the Site during the performance of this assessment. The following Site-specific environmental issues were found to be associated with the Site:

- The following RECs have been found in connection with the Site:
    - Current and historical use of the boiler/incinerator room in the main building, including the potential use of petroleum fuels, the presence of an incinerator, and the presence of pink staining around a sump.
    - The potential presence of lead-contaminated soils in the vicinity of the on-Site buildings (historical and current) associated with the potential use of LBP in the buildings.
    - The potential presence of OCP-contaminated soils in the vicinity of the on-Site buildings (historical and current) associated with the potential application of OCPs applied at wood building foundations for termite control.
    - The potential presence of PCB-contaminated soils beneath in the vicinity of the on-Site buildings (historical and current) due to the potential use of PCB-containing caulking and paints in the buildings.
    - The potential presence of arsenic-contaminated soils beneath the Site pavement due to LAUSD's former standard practice of applying herbicides containing arsenic prior to paving.

- The following features referenced on historical LAUSD drawings: a concrete incinerator, two oil tanks (unknown if the tanks are ASTs and/or USTs), and two additional former boiler rooms.

- The following BERs have been found in connection with the Site:
  - Untested suspect ACMs and LBP and other LCMs.
  - The presence of a potentially PCB-containing transformer.

7.0 ENVIRONMENTAL SCHOOL SITE SELECTION SCREENING CRITERIA CHECKLIST

Pertinent selection criteria of the California Department of Education (CDE) Existing Schools Checklist is presented below. The completed CDE Existing Schools Checklist completed for 49th Street Elementary School is provided in Appendix D.

7.1 POWERLINES/ELECTROMAGNETIC FIELDS

The project is not anticipated to create any significant safety hazards or exacerbate any existing safety hazards to students in relation to powerlines/electromagnetic fields within the school property or within a 350-foot boundary of the Site. Apparent high voltage powerlines were not observed on or within 350 feet of the Site during the Site reconnaissance.

7.2 RAILROADS

The project is not anticipated to create any new significant safety hazards or exacerbate any existing safety hazards to students in regards to railroads within a 1,500-foot radius of the Site. Railroads were not observed at the Site or surrounding area.

7.3 TRAFFIC NOISE

The project is not anticipated to create any new significant safety hazards or exacerbate any existing safety hazards to students in regards to adjacent roads or freeways that would adversely affect the educational program. Freeways were not observed at the Site or surrounding area.

7.4 FAULTS

The project is not anticipated to create any new significant safety hazards or exacerbate any existing safety hazards to students in regards to an active earthquake fault or fault trace which may be on-Site. A review of the available Alquist-Priolo Special Studies Zone mapping at the California Geological Survey, California Earthquake Hazards Zone Application (EQ Zapp) indicated that the Site is not located within an Alquist-Priolo Special Studies Zone.

7.5 FLOOD OR INUNDATION AREA

The project is not anticipated to create any new significant safety hazards or exacerbate any existing safety hazards to students in regards to flooding or damn inundation. The FEMA FIRM and EDR Radius map were reviewed to determine if the Site is located in a designated flood hazard area. Based on the review of the applicable map, the Site is not located in either a 100- or a 500-year potential flood hazard area.

According to the Zone Information and Map Access System (ZIMAS) website, the Site is not identified as within a Tsunami Inundation Zone. According to the United States Army Corps of Engineers, no dams in the Los Angeles County area have emergency plans that identify the Site area as lying within the within a possible flood inundation area. No aboveground water reservoirs were depicted noted within one mile of the Site on topographic maps.

7.6 LIQUEFACTION AND LANDSLIDES

The project is not anticipated to create any new significant safety hazards or exacerbate any existing safety hazards to students in regards to liquefaction and landslides. A review of the available mapping of liquefaction and landslide hazard zones at the California Geological Survey, California Earthquake Hazards Zone Application (EQ Zapp) indicated that the Site is not located within a known liquefaction or landslide hazard zone.

7.7 PIPELINES AND ABOVEGROUND TANKS

The project is not anticipated to create any new significant safety hazards or exacerbate any existing safety hazards to students from nearby water or fuel ASTs or pipelines. ASTs were not observed on the Site or adjoining properties. Pipelines were not depicted on or near the Site on the NPMS public viewer website.

7.8 TRAFFIC AND PEDESTRIAN SAFETY

The project is not anticipated to create any new significant safety hazards or exacerbate any existing safety hazards to students from an adjacent major arterial street.

7.9 COMPATIBLE ZONING

The project is not anticipated to create any new significant safety hazards or exacerbate any existing safety hazards to students from the zoning surrounding the Site.

7.10 LIGHT WIND AND AIR POLLUTION

The project is not anticipated to create any new significant safety hazards or exacerbate any existing safety hazards to students from light, wind or air pollution.

7.11 EASEMENTS

The project is not anticipated to create any new significant safety hazards or exacerbate any existing safety hazards to students from easements on or adjacent to the Site which may restrict access or building placement.

7.12 BORDER ZONE PROPERTY

The project is not anticipated to create any new significant safety hazards or exacerbate any existing safety hazards to students from a significant disposal or hazardous waste site within a 2,000-foot radius of the Site. No off-site properties of concern (i.e. a REC in connection with the Site) were identified during review of the EDR database report (Sections 5.1.1 and 5.1.2).

7.13 CELLULAR PHONE TOWERS

The project is not anticipated to create any new significant safety hazards or exacerbate any existing safety hazards to students from a cellular phone tower on or adjacent to the Site. It is Tetra Tech's understanding the LAUSD does not allow cellular sites at LAUSD schools. An apparent cellular site was not observed on the adjoining properties.

7.14 AIR POLLUTION

The project is not anticipated to create any new significant safety hazards or exacerbate any existing safety hazards to students from a major transportation corridor within a 500-foot radius of the Site, or a major stationary source within a 500-foot radius of the Site. 49th Street Elementary School is not listed on the Priority List of Schools Most at Risk from Air Pollution dated February 29, 2008.

7.15 METHANE ZONES

The project is not anticipated to create any new significant safety hazards or exacerbate any existing safety hazards to students from known methane zone or oil field. The Site and area are depicted outside of a Methane Zone or Methane Buffer Zone on the City of Los Angeles Methane and Methane Buffer Zone Map (2004). The Site is not depicted within an oil field on the CalGEM Well Finder website.

7.16 OIL WELLS

The project is not anticipated to create any new significant safety hazards or exacerbate any existing safety hazards to students from an on-site oil well. There are no on-site oil wells depicted on the CalGEM Well Finder website.

7.17 AIRPORTS

The project is not anticipated to create any new significant safety hazards or exacerbate any existing safety hazards to students from an airport within two nautical miles of the Site. An airport was not identified at the Site or surrounding area.

8.0 REVIEW OF NEARBY/ADJACENT PROPERTIES

The vicinity of the Site can generally be described as a mixed commercial and residential area in Los Angeles. Adjoining properties observed during the Site vicinity reconnaissance are described below.

North: Beyond East 49th Street are multi-family residential properties (671/673, 677/679, 681/683, 687/689/691, 695/697, 701/703, 709, 715, 721/723/725, 733, 739, 743/745, and 751 East 49th Street) and single-family residences (727, 755, 763, 771, 773, and 775 East 49th Street).

East: Beyond McKinley Avenue are The McKinley Avenue Park (4916 McKinley Avenue), a single-family residence (4920 McKinley Avenue), and multi-family residential properties (850 East 49th Place/4960 McKinley Avenue, 853 East 50th Street and 4970/4972 McKinley Avenue, and 854 East 50th Street).

South: Beyond East 50th Street are multi-family residential properties (670, 674/676/678, 708/7140, 724/726, 730/732, 740, 748, 758, and 760/762 East 50th Street) and single-family residences (684, 690, 700, 716, 772, and 776 East 50th Street and 5001 McKinley Avenue).

West: The 49th Street Park (670 East 49th Street) and a multi-family residential property (673 East 50th Street).

The inspection of the abutting properties from curbside and a review of federal, state, and local regulatory agency databases/records did not reveal the presence of off-Site sources that are considered to be RECs to the Site at this time.

9.0 USER PROVIDED INFORMATION

9.1 LAND TITLE AND JUDICIAL RECORDS FOR ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS (AULs)

LAUSD provided Tetra Tech no information regarding if there are environmental liens or AULs associated with the Site.

Tetra Tech requested a search for environmental liens and other AULs for the Site parcels from Texas Environmental Research in accordance with the scope of work for this assessment. No environmental liens or other AULs were found for the Site parcels (documentation is provided in Appendix D).

9.2 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

Commonly known or reasonably ascertainable information provided to Tetra Tech by LAUSD included the Site location and address. LAUSD also provided Tetra Tech with historical drawings dated from 1923 to 1995. The following of note were depicted on the drawings:

- A concrete incinerator approximately 30 feet west and 40 feet south of the southwest corner of the existing west building on a 1935 drawings.
- An oil tank between the main building and the west building on 1934, 1948, and 1950 drawings (unknown if the referenced tank is an AST or UST).
- An oil tank approximately 62 feet east and 25 feet south of the southwest corner of the existing west building on a 1934 drawing (unknown if the tank is an AST or UST).
- A boiler room in the west building on 1923 drawings (specific location not clear).
- A boiler room adjacent and west of the central portion of the main building on a 1934 drawing.
- Fire-damaged areas in the main building and south building on a 1995 drawing.

The referenced concrete incinerator, two oil tanks, and two additional former boiler rooms are collectively considered to be a REC.

9.3 SPECIALIZED KNOWLEDGE OR EXPERIENCE

LAUSD had no specialized knowledge or experience regarding the Site other than noted above.

9.4 ACTUAL KNOWLEDGE

LAUSD had no other actual knowledge with respect to the Site other than noted above.

9.5 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

LAUSD provided Tetra Tech no information regarding if there has been a valuation reduction for the Site for environmental issues.

9.6 REASONS FOR PHASE I ESA PERFORMANCE

It is Tetra Tech's understanding that this Phase I ESA is being requested by LAUSD in conjunction with due diligence activities for the Site.

10.0 INTERVIEWS

10.1 INTERVIEW WITH SITE OWNER

Tetra Tech interviewed Mr. Steven Morrill (Site Assessment Project Manager with LAUSD) during the Site reconnaissance. Information from the interview is included in applicable sections of this Report.

Mr. Morrill also completed a Phase I ESA questionnaire for the Site. Mr. Morrill was not aware of any environmental cleanup liens, AULs, or environmental cleanups for the Site.

10.2 INTERVIEW WITH SITE MANAGER

Tetra Tech interviewed Mr. Alberto Castro (Plant Manager with 49th Street Elementary School) prior to the Site reconnaissance. Information from the interview is included in applicable sections of this Report.

10.3 INTERVIEW WITH OCCUPANTS

Tetra Tech interviewed Mr. Alberto Castro (Plant Manager with 49th Street Elementary School) prior to the Site reconnaissance. Information from the interview is included in applicable sections of this Report.

10.4 INTERVIEW WITH PAST OWNERS, OPERATORS, AND OCCUPANTS

Past owners and operators could not be readily contacted by Tetra Tech. There have been no prior occupants; therefore, these interviews were not conducted. This is not considered to be a data gap, as information regarding past uses of the Site was obtained from other sources and has been previously discussed.

10.5 INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

Tetra Tech did not interview local government officials. This is not considered to be a data gap, as information regarding past uses of the Site was obtained from other sources (including agency records) and has been previously discussed.

10.6 INTERVIEWS WITH OTHERS

No interviews were conducted with individuals other than the interview cited above in this Section 9.0.

11.0 CONCLUSIONS AND RECOMMENDATIONS

11.1 CONCLUSIONS

In the professional opinion of Tetra Tech, an appropriate level of inquiry has been made into the previous ownership and uses of the Site consistent with good commercial and customary practice with the intent to minimize environmental liability. Based on the information cited in this assessment, current Site use, and Tetra Tech's understanding of current regulatory guidelines and judgment, the following conclusions have been drawn (in addition to the conclusion in Section 11.0):

- The following RECs have been found in connection with the Site:
    - Current and historical use of the boiler/incinerator room in the main building, including the potential use of petroleum fuels, the presence of an incinerator, and the presence of pink staining around a sump.
    - The potential presence of lead-contaminated soils in the vicinity of the on-Site buildings (historical and current) associated with the potential use of LBP in the buildings.
    - The potential presence of OCP-contaminated soils in the vicinity of the on-Site buildings (historical and current) associated with the potential application of OCPs applied at wood building foundations for termite control.
    - The potential presence of PCB-contaminated soils beneath in the vicinity of the on-Site buildings (historical and current) due to the potential use of PCB-containing caulking and paints in the buildings.
    - The potential presence of arsenic-contaminated soils beneath the Site pavement due to LAUSD's former standard practice of applying herbicides containing arsenic prior to paving.
    - The following features referenced on historical LAUSD drawings: a concrete incinerator, two oil tanks (unknown if the tanks are ASTs and/or USTs), and two additional former boiler rooms.
- No HRECs or PECs have been found in connection with the Site.
- The following BERs have been found in connection with the Site:
    - Untested suspect ACMs and LBP and other LCMs.
    - The presence of a potentially PCB-containing transformer.
- No off-Site facilities are considered to be RECs to the Site at this time.

11.2 RECOMMENDATIONS

Based on the information gathered during the performance of this assessment, current Site use, current regulatory guidelines, and the judgment of Tetra Tech, the following recommendations are presented for consideration:

- Preparation of a Preliminary Environmental Assessment Equivalent (PEA-E) scoping document is warranted in order to address the RECs identified during this assessment. The PEA-E scoping document should include a scope of work for the sampling, analysis and evaluation of on-Site subsurface soil to determine the presence or absence of COCs, including petroleum hydrocarbons, VOCs, metals including lead and arsenic, OCPs, and PCBs, as appropriate, to address the RECs identified.

- Prior to any demolition, remodeling, and/or renovation activities at the Site, untested suspect ACMs, LBP and other LCMs, and potential PCB-containing building material that may be disturbed should be sampled and analyzed in accordance with applicable regulations. Abatement of known and suspect ACMs, LBP and other LCMs, and potential PCB-containing window caulk and any adjacent PCB-impacted building or construction materials should be performed prior to any demolition, remodeling, and/or renovation activities (that would disturb the ACMs and LBP and other LCMs) in accordance with applicable regulations. In the event that renovation or demolition activities do not take place, known and suspect ACMs, LBP and other LCMs, and potential PCB-containing building material at the Site should be managed in accordance with applicable regulations, including the preparation and implementation of specific Operation and Maintenance (O&M) Plans.

- Prior to redevelopment, all applicable agencies should be contacted for requirements related to storm water run-off (including the State of Construction Storm Water Permit) and other development- and construction-related environmental requirements (such as dust suppression). This could include the preparation and implementation of a SWPPP.

12.0 CONCLUSION

In the professional opinion of Tetra Tech, an appropriate level of inquiry has been made into the previous ownership and uses of the Site consistent with good commercial and customary practice with the intent to minimize environmental liability. Based on the information cited in this assessment and Tetra Tech's understanding of current regulatory guidelines and judgment, the following conclusion has been drawn:

- Tetra Tech has performed a Phase I ESA of the property referenced as the 49th Street Elementary School located at 750 East 49th Street in Los Angeles, California, (the Site) in general conformance with the scope of work cited in 40 CFR §312, et al., and ASTM Standard Practice E1527-21. This assessment revealed evidence of RECs in connection with the Site:

    - Current and historical use of the boiler/incinerator room in the main building, including the potential use of petroleum fuels, the presence of an incinerator, and the presence of pink staining around a sump.

    - The potential presence of lead-contaminated soils in the vicinity of the on-Site buildings (historical and current) associated with the potential use of LBP in the buildings.

    - The potential presence of OCP-contaminated soils in the vicinity of the on-Site buildings (historical and current) associated with the potential application of OCPs applied at wood building foundations for termite control.

    - The potential presence of PCB-contaminated soils beneath in the vicinity of the on-Site buildings (historical and current) due to the potential use of PCB-containing caulking and paints in the buildings.

    - The potential presence of arsenic-contaminated soils beneath the Site pavement due to LAUSD's former standard practice of applying herbicides containing arsenic prior to paving.

    - The following features referenced on historical LAUSD drawings: a concrete incinerator, two oil tanks (unknown if the tanks are ASTs and/or USTs), and two additional former boiler rooms.

13.0 DEVIATIONS

There have been no significant deviations from the scope and limitations set forth in the ASTM Standard Practice E1527-21 of which Tetra Tech is aware that would affect the conclusion of this Phase I ESA.

During the conduct of this assessment, there were no data gaps or data failure considered to be significant. Information provided by others to Tetra Tech is assumed to be accurate and complete. When provided, Tetra Tech has made reasonable inquiry into the accuracy of such information. Unless such inquiry indicated otherwise, the information was considered to be accurate and complete. As discussed previously in Section 2.2, there are limitations to this assumption.

14.0 REFERENCES

Documents:

ASTM International (ASTM), 2021, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," ASTM Standard Practice E1527-21: dated November 10, 2021.

Bader Environmental Services (BE), 2008, Soil Certification Report Phase II, LAUSD 49th Street Elementary School, 750 East 49th Street, Los Angeles, California: dated October 30, 2008.

California Department of Water Resources (CADWR), 2004, California's Groundwater Bulletin 118: dated 2003.

California Regional Water Quality Control Board – Los Angeles Region [LARWQCB], 2009, Underground Storage Tank Low Risk Case Review Form, Winall Oil #9, 4442 Avalon Boulevard, Los Angeles, California: dated September 26, 2014.

Converse Consultants (Converse), 2009, Export Soil Sampling Report, LAUSD 49th Street Elementary School, 750 East 49th Street, Los Angeles, California: dated January 27, 2009.

Environmental Data Resources, Inc. (EDR), 2021a, The EDR-Radius Map™ Report with GeoCheck®, 750 East 49th Street, Los Angeles, California, Inquiry Number 6792994.2s: dated December 17, 2021.

EDR, The EDR-City Directory Abstract, 2021b, 750 East 49th Street, Los Angeles, California, Inquiry Number 6792994.5: dated December 20, 2021.

Lindmark Engineering (LE), 2007, Soil Certification Report, LAUSD 49th Street Elementary School, 750 East 49th Street, Los Angeles, California: dated October 15, 2007.

Texas Environmental Research, 2021, Environmental Lien and Other Activity Use Limitations (AULs) Search, Parcels 5108-011-909 and 5108-011-910, 750 East 49th Street, Los Angeles County, California: dated December 27, 2021.

Yerkes, R.F., McCulloch, T.H., Schoellhamer, J.E., and Vedder, J.G., Geology of the Los Angeles Basin, California - an Introduction: United States Geological Survey Professional Paper 420-A, 1965.

Maps:

California Geological Survey, Alquist-Priolo Special Studies Zone Mapping, California Earthquake Hazards Zone Application (EQ Zapp); https://www.conservation.ca.gov/cgs/geohazards/eq-zapp.

EDR, 2021c, Certified Sanborn® Map Report, 750 East 49th Street, Los Angeles, California, Inquiry Number 6792994.3: dated December 17, 2021.

EDR, 2021d, EDR Historical Topographic Map Report with QuadMatch™, 750 East 49th Street, Los Angeles, California, Inquiry Number 6792994.4: dated December 17, 2021.

Federal Emergency Management Agency (FEMA), Flood Insurance Rate Map (FIRM), Panel No. 34005C 0232G: dated August 28, 2019.

United States Geological Survey (USGS), Inglewood, California, Quadrangle – 7.5-Minute Series Topographic Map: dated 2018.

Agencies/Persons Contacted/Records Reviewed:

EDR, 2020c, EDR Historical Topo Map Report with QuadMatch™, 21422 Roscoe Boulevard, Canoga Park, California, Inquiry Number 6797639.4: dated December 22, 2021.

EDR, 2020d, Certified Sanborn® Map Report, 21422 Roscoe Boulevard, Canoga Park, California, Inquiry Number 6797639.3: dated December 22, 2021.

Federal Emergency Management Agency (FEMA), Flood Insurance Rate Map (FIRM), Panel No. 06037C 1280F: dated September 26, 2008.

United States Geological Survey (USGS), Canoga Park, California, Quadrangle – 7.5-Minute Topographic Map: dated 2018.

Agencies/Persons Contacted/Records Reviewed:

California Geologic Energy Management Division (CalGEM); https://maps.conservation.ca.gov/doggr/wellfinder/#openModal.

California Regional Water Quality Control Board – Los Angeles Region (LARWQCB).

Castro, Mr. Alberto (Plant Manager with 49th Street Elementary School).

City of Los Angeles Bureau of Sanitation, Industrial Wastewater Management (LABS IWM).

City of Los Angeles Department of Building and Safety (LADBS).

City of Los Angeles Fire Department (LAFD).

City of Los Angeles Planning Department (LAPD).

Los Angeles County Assessor's Office.

Morrill, Mr. Steven (Site Assessment Project Manager with LAUSD).

National Pipeline Mapping System (NPMS); https://pvnpms.phmsa.dot.gov/PublicViewer/.

South Coast Air Quality Management District (SCAQMD).

United States Department of Agriculture (USDA), National Resources Conservation Services (NRCS).

United States Fish and Wildlife Service (USFWS).

Aerial Photographs:

EDR, 2021e, The EDR Aerial Photo Decade Package, 750 East 49th Street, Los Angeles, California, Inquiry Number 6792994.8: dated December 17, 2021.

15.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Ms. Tanya MacLean performed the Site reconnaissance, compiled Report data, and wrote the Phase I ESA Report. Mr. Steven Grod and Mr. Mark Feldman provided technical review. The signatures of Ms. MacLean, Mr. Grod, and Mr. Feldman are included in this section of the Report.

TANYA MACLEAN
Due Diligence Scientist
Phone: 949-809-5080

STEVEN GROD
Senior Project Manager
Phone: 949-809-5076

MARK FELDMAN, PG, CHG, CEG
Principal Geologist
Phone: 909-382-5116

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR §312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Site. We have developed and performed the AAI in conformance with the standards and practices set forth in 40 CFR Part 312.

16.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

The qualifications of Ms. MacLean, Mr. Grod, and Mr. Feldman are summarized in the resumes that are included in Appendix F.

FIGURES
Figure 1 – Site Location Map
Figure 2 – Site Map



SOURCE:

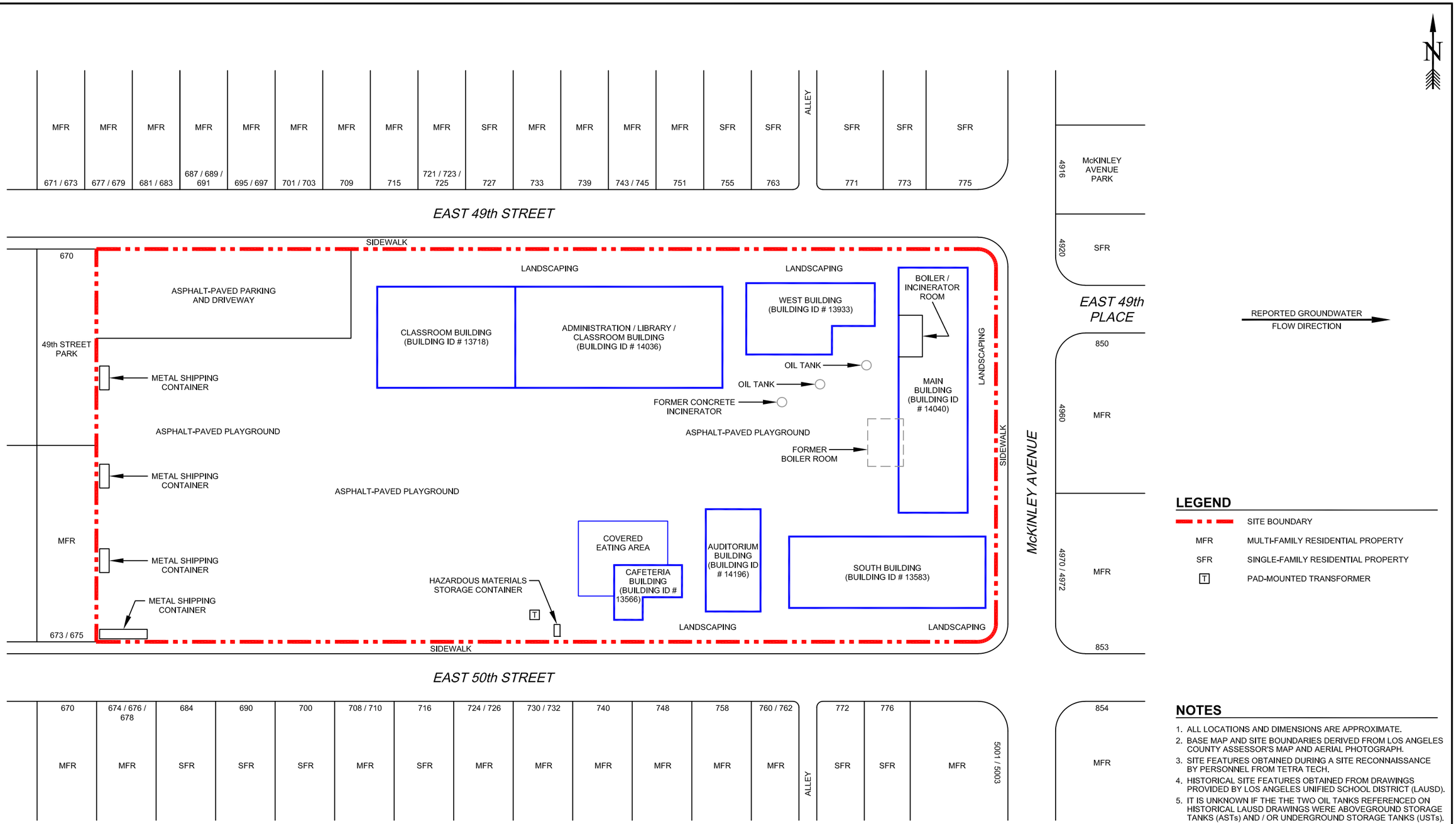
2016 AERIAL PHOTOGRAPH (ENVIRONMENTAL DATA RESOURCES, INC.)

0 400 800

SCALE (FEET)

N

49th STREET ELEMENTARY SCHOOL 750 EAST 49th STREET LOS ANGELES, CALIFORNIA 90011	TETRA TECH MARCH 22, 2022 TETRA TECH PROJ. NO. T37254.13	SITE LOCATION MAP FIGURE 1



LEGEND

- SITE BOUNDARY
- MFR — MULTI-FAMILY RESIDENTIAL PROPERTY
- SFR — SINGLE-FAMILY RESIDENTIAL PROPERTY
- T — PAD-MOUNTED TRANSFORMER

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. BASE MAP AND SITE BOUNDARIES DERIVED FROM LOS ANGELES COUNTY ASSESSOR'S MAP AND AERIAL PHOTOGRAPH.
3. SITE FEATURES OBTAINED DURING A SITE RECONNAISSANCE BY PERSONNEL FROM TETRA TECH.
4. HISTORICAL SITE FEATURES OBTAINED FROM DRAWINGS PROVIDED BY LOS ANGELES UNIFIED SCHOOL DISTRICT (LAUSD).
5. IT IS UNKNOWN IF THE THE TWO OIL TANKS REFERENCED ON HISTORICAL LAUSD DRAWINGS WERE ABOVEGROUND STORAGE TANKS (ASTs) AND / OR UNDERGROUND STORAGE TANKS (USTs).

0 80 160

SCALE (FEET)

49th STREET ELEMENTARY SCHOOL
750 EAST 49th STREET
LOS ANGELES, CALIFORNIA 90011

TETRA TECH

MARCH 22, 2022

TETRA TECH PROJ. NO. T37254.13

SITE MAP

FIGURE 2

APPENDIX A
PHOTOGRAPHIC DOCUMENTATION



Photograph No. 1: West view of the Site.



Photograph No. 2: Southeast view of the Site.



Photograph No. 3: Northwest view of the administration/library/classroom building (Building ID # 14036) in the northeast portion of the Site.



Photograph No. 4: West view of the interior of the administration/library/classroom building in the northeast portion of the Site.



Photograph No. 5: View of the administration offices in the administration/library/classroom building in the northeast portion of the Site.



Photograph No. 6: View of a typical classroom in the administration/library/classroom building in the northeast portion of the Site.



Photograph No. 7: View of janitorial supplies storage in a janitorial closet in the administration/library/classroom building in the northeast portion of the Site.



Photograph No. 8: Northeast view of the main building (Building ID # 14040) in the northeast portion of the Site.



Photograph No. 9: South view of the interior of the main building in the northeast portion of the Site.



Photograph No. 10: View of a typical classroom in the main building in the northeast portion of the Site.



Photograph No. 11: View of a janitorial closet in the main building in the northeast portion of the Site.



Photograph No. 12: View of janitorial cleaners storage in a janitorial closet in the main building in the northeast portion of the Site.



Photograph No. 13: View of the boiler/incinerator room in the main building in the northeast portion of the Site.



Photograph No. 14: View of corrosion control chemicals storage in the boiler/incinerator room in the main building in the northeast portion of the Site.



Photograph No. 15: View of a sump and pink staining in the boiler/incinerator room in the main building in the northeast portion of the Site.



Photograph No. 16: Southeast view of the south building (Building ID # 13583) in the southeast portion of the Site.



Photograph No. 17: North view of the south building in the southeast portion of the Site.



Photograph No. 18: Northeast view of the classroom building (Building ID # 13718) in the central west portion of the Site.



Photograph No. 19: East view of the interior of the classroom building in the central west portion of the Site.



Photograph No. 20: North view of the west building (Building ID # 13933) in the northeast portion of the Site.



Photograph No. 21: West view of the interior of the west building in the northeast portion of the Site.



Photograph No. 22: West view of janitorial cleaners storage in a storage room in the west building in the northeast portion of the Site.



Photograph No. 23: West view of disinfectant storage in a storage room in the west building in the northeast portion of the Site.



Photograph No. 24: South view of the auditorium building (Building ID # 14196) at the Site.



Photograph No. 25: Southwest view of the interior of the auditorium building at the Site.



Photograph No. 26: View of janitorial cleaners storage in a storage room in the auditorium building at the Site.



Photograph No. 27: Southwest view of the cafeteria building (Building ID # 13566) at the Site.



Photograph No. 28: South view of the interior of the cafeteria building at the Site.



Photograph No. 29: View of the kitchen in the cafeteria building at the Site.



Photograph No. 30: View of cleaners storage in the kitchen in the cafeteria building at the Site.



Photograph No. 31: Southwest view of the playground area at the Site.



Photograph No. 32: View of a hazardous materials storage container (center container) in the central south portion of the Site.



Photograph No. 33: View of the interior of a hazardous materials storage container in the central south portion of the Site.



Photograph No. 34: View of the storage of hazardous materials in a hazardous materials storage container in the central south portion of the Site.



Photograph No. 35: Northwest view of a pad-mounted transformer operated by LADWP in the central south portion of the Site.



Photograph No. 36: Northwest view of electrical transmission lines along East 50 Street to the south of the central portion of the Site.



Photograph No. 37: Northwest view multi-family residential properties (671, 677, 683, 687, 695, 701, 709, 715, 721, 733, 739, 745, and 751 East 49th Street) and single-family residences (727, 755, 763, 771, 773, and 775 East 49th Street), located adjacent to and north of the Site beyond East 49th Street.



Photograph No. 38: Southeast view of the McKinley Avenue Park (4916 McKinley Avenue), located adjacent to and northeast of the Site beyond McKinley Avenue.



Photograph No. 39: Northeast view of a single-family residence (4920 McKinley Avenue) and multi-family residential properties (850 East 49th Place and 853 and 854 East 50th Street), located adjacent to and east of the Site beyond McKinley Avenue.



Photograph No. 40: Southeast view of are multi-family residential properties (670, 674, 708, 724, 730, 740, 748, 758, and 762 East 50th Street) and single-family residences (684, 690, 700, 716, 772, and 776 East 50th Street and 5001 McKinley Avenue), located adjacent to and south of the Site beyond East 50th Street.



Photograph No. 41: South view of the 49th Street Park (670 East 49th Street) and a multi-family residential property (673 East 50th Street), located adjacent to and west of the Site.



Photograph No. 42: Northwest view of a multi-family residential property (673 East 50th Street), located adjacent to and west of the Site.

APPENDIX B
EDR REGULATORY DATABASE REPORT

750 East 49th Street
750 East 49th Street
Los Angeles, CA 90011

Inquiry Number: 6792994.2s
December 17, 2021

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
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GEOCHECK ADDENDUM

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Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

750 EAST 49TH STREET
LOS ANGELES, CA 90011

COORDINATES

Latitude (North):	33.9981020 - 33ˆ 59' 53.16''
Longitude (West):	118.2621050 - 118ˆ 15' 43.57''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	383438.6
UTM Y (Meters):	3762469.0
Elevation:	181 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	11997950 INGLEWOOD, CA
Version Date:	2018
Northeast Map:	12021699 LOS ANGELES, CA
Version Date:	2018
Southeast Map:	11997976 SOUTH GATE, CA
Version Date:	2018
Northwest Map:	12021991 HOLLYWOOD, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140513
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
750 EAST 49TH STREET
LOS ANGELES, CA 90011

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	LAUSD 49TH ST ELEM S	750 E 49TH ST	ECHO		TP
A2	LAUSD/ 49TH ST ELEM	750 E 49TH ST	HAZNET, HAZMAT, HWTS		TP
A3	LAUSD 49TH ST ELEM S	750 E 49TH ST	RCRA-SQG, FINDS		TP
4	FORMER RESIDENCE TO	670 E 49TH ST	RCRA-LQG	Lower	18, 0.003, WNW
5	FORMER RESIDENCE TO	4916 S MCKINLEY AVE	RCRA-LQG	Higher	113, 0.021, ENE
6	ESTELLA VILLASENOR	886 1/2 E 50TH ST	RCRA NonGen / NLR	Higher	278, 0.053, ESE
7	VERIZON WIRELESS: WA	775 E. 51ST STREET	HAZMAT, CERS	Lower	326, 0.062, SSE
B8	HOOPER/MIRAMONTE PRI	48TH STREET/AVALON A	ENVIROSTOR, SCH	Higher	479, 0.091, NW
C9	FRAISSE W P	5006 S AVALON BLVD	EDR Hist Cleaner	Lower	487, 0.092, WSW
C10	HAM WOODROW	5008 S AVALON	EDR Hist Auto	Lower	510, 0.097, WSW
C11	DEVEREAUX LLOYD	5026 S AVALON	EDR Hist Auto	Lower	516, 0.098, WSW
C12		5026 S AVALON BLVD	UST	Lower	516, 0.098, WSW
C13	ALLI'S RECYCLING	5026 AVALON BLVD	SWRCY	Lower	516, 0.098, WSW
C14		5014 S AVALON BLVD	UST	Lower	520, 0.098, WSW
C15	WILLIE BESS MORGAN	5102 AVALON BLVD	SWEEPS UST, CA FID UST	Lower	650, 0.123, WSW
B16	ZAPOPAN CARBURETORS	4714 S AVALON BLVD	CERS HAZ WASTE	Higher	744, 0.141, NW
17		5101 S AVALON BLVD	UST	Lower	783, 0.148, WSW
D18	CONNER & JOHNSON MOR	4700 S AVALON BLVD	UST	Higher	822, 0.156, NW
D19	CONNER & JOHNSON MOR	4700 S AVALON BLVD	HAZMAT	Higher	822, 0.156, NW
D20	ZAPOPAN CARBURETORS	4715 S AVALON BLVD	HAZMAT	Lower	837, 0.159, NW
E21	WEBER SHOWCASE AND F		ENVIROSTOR	Lower	954, 0.181, West
E22	WEBER SHOWCASE AND F		FUDS	Lower	975, 0.185, West
23	DUNBAR ECONOMIC DEV	762 E 52ND PL	RCRA-SQG, FINDS, ECHO, HAZNET, HWTS	Lower	1030, 0.195, South
D24		4625 S AVALON BLVD	UST	Higher	1037, 0.196, NW
25	ROUNDTREE PROPERTY	5201 AVALON BOULEVAR	SEMS-ARCHIVE, ENVIROSTOR	Lower	1095, 0.207, SW
26		5001 S CENTRAL AVE	UST	Higher	1247, 0.236, East
27		4903 S CENTRAL AVE	UST	Higher	1305, 0.247, ENE
28	SAN MIGUEL MINI AUTO	4953 SOUTH CENTRAL A	CERS HAZ WASTE, HAZNET, HWTS	Higher	1305, 0.247, East
F29	TARIN PAINTING INC	413-1/2 E 52ND AVE	RCRA-SQG	Lower	1310, 0.248, WSW
F30	TARIN PAINTING INC	413 E 52ND ST	RCRA-SQG, FINDS, ECHO, HAZNET, HWTS	Lower	1310, 0.248, WSW
31	JEFFERSON NEW ELEMEN	WADWORTH AVENUE/52ND	ENVIROSTOR, SCH	Lower	1344, 0.255, SE
G32	DEPENDABLE REFRIGERA	5201 SOUTH CENTRAL A	ENVIROSTOR	Higher	1466, 0.278, ESE
G33	DEPENDABLE REFRIGERA	5201-5225 SOUTH CENT	SEMS-ARCHIVE	Higher	1466, 0.278, ESE
34	WINALL OIL #9	4442 AVALON BLVD. S.	LUST, Cortese, CERS	Higher	1582, 0.300, NNW
H35	AVALON BOULEVARD COM	AVALON BOULEVARD BET	US BROWNFIELDS, FINDS	Lower	1645, 0.312, SSW
H36	WETLANDS PARK	54TH ST. AND AVALON	US BROWNFIELDS, FINDS	Lower	1660, 0.314, SSW
H37	SOUTHERN CALIFORNIA	5413 AVALON BLVD.	ENVIROSTOR, WDS	Lower	1821, 0.345, SSW
H38	MTA AVALON FACILITY	5413 AVALON BLVD	RCRA-LQG, US BROWNFIELDS, FINDS, ECHO	Lower	1821, 0.345, SSW
H39	SOUTHERN CALIFORNIA	5413 AVALON BOULEVAR	SEMS-ARCHIVE	Lower	1821, 0.345, SSW

MAPPED SITES SUMMARY

Target Property Address:
750 EAST 49TH STREET
LOS ANGELES, CA 90011

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
H40	AVALON WETLANDS PARK	5413 AVALON BOULEVAR	ENVIROSTOR, EMI, HAZMAT, LA Co. Site Mitigation	Lower	1821, 0.345, SSW
41	CENTRAL REGION HIGH	EAST 52ND STREET/SAN	ENVIROSTOR, SCH	Lower	1824, 0.345, SW
I42	METAL FAB	616 EAST 55TH STREET	ENVIROSTOR	Lower	2004, 0.380, SSW
43	GREENFIELD DAIRY	5400 S CENTRAL AVE	SWRCY, SWEEPS UST, CA FID UST	Lower	2048, 0.388, SE
J44	CENTRAL REGION ELEME	EAST 45TH STREET AND	ENVIROSTOR, SCH	Higher	2099, 0.398, NE
K45	CHOES AUTO CENTRAL	4368 AVALON BLVD	LUST, Cortese, CERS	Higher	2100, 0.398, NNW
I46	HARD CHROME PRODUCTS	617 EAST 56TH STREET	RESPONSE, ENVIROSTOR, Cortese, CERS	Lower	2172, 0.411, SSW
I47	HARD CHROME PRODUCTS	6028 HOOPER AVENUE	SEMS, HIST Cal-Sites, SWEEPS UST, HIST UST, CA FID...	Lower	2172, 0.411, SSW
K48	W'S METAL RECYCLING	4363 AVALON BLVD	SWRCY	Higher	2210, 0.419, NNW
J49	ARCO #5225	4424 CENTRAL	HIST CORTESE	Higher	2227, 0.422, NE
J50	ARCO #5225	4424 CENTRAL AVE S	LUST, Cortese, CERS	Higher	2227, 0.422, NE
I51	HARD CHROME DISCOVER	VICINITY OF EAST 56T	ENVIROSTOR	Lower	2237, 0.424, SSW
52	DOROTHY V. JOHNSON O	333 EAST 54TH STREET	ENVIROSTOR, SCH, HAZMAT, CERS	Lower	2246, 0.425, SW
L53	JEFFERSON MIDDLE SCH	644 56TH ST	CPS-SLIC, ENF, HIST CORTESE, CERS	Lower	2279, 0.432, South
L54	LOS ANGELES ACADEMY	644 EAST 56TH STREET	ENVIROSTOR, SCH, WDR	Lower	2279, 0.432, South
55	FIRE STATION #21	1187 052ND ST E	LUST, Cortese, HIST CORTESE, CERS	Higher	2321, 0.440, ESE
56	DIEGOS RECYCLING	5519 S CENTRAL AVE	SWRCY	Lower	2422, 0.459, SE
57	OMAR RECYCLING CENTE	239 E 53RD ST	SWRCY	Lower	2423, 0.459, WSW
L58	JEFFERSON MIDDLE SCH	644 056TH	CPS-SLIC	Lower	2483, 0.470, South
59	HOOPER/MIRAMONTE PRI	57TH STREET/AVALON S	ENVIROSTOR, SCH	Lower	2548, 0.483, SSW
M60	EASY SEWING CO.	5716 MCKINLEY AVENUE	ENVIROSTOR	Lower	2853, 0.540, South
61	ADVANCED ALUMINIUM &	1001 E. SLAUSON AVE.	ENVIROSTOR, EMI	Lower	2974, 0.563, SSE
N62	L.A. CRANK & ENGINE	5728 S. CENRAL AVE.	ENVIROSTOR	Lower	2982, 0.565, SSE
63	RIO PRODUCTS COMPANY	401 E. 58TH STREET	SEMS-ARCHIVE, ENVIROSTOR	Lower	2983, 0.565, SSW
N64	J C HOLDERNESS	5732 SOUTH CENTRAL A	ENVIROSTOR	Lower	3013, 0.571, SSE
65	JEFFERSON HOOPER PRI	52ND STREET/HOOPER A	ENVIROSTOR, SCH	Higher	3022, 0.572, ESE
M66	UNITED ALLOYS, INC.	900 EAST SLAUSON AVE	ENVIROSTOR, CPS-SLIC, VCP, CERS	Lower	3124, 0.592, South
N67	J&A FURNITURE	5815 SOUTH CENTRAL A	ENVIROSTOR	Lower	3146, 0.596, SSE
68	LOS ANGELES MILLWORK	936 EAST SLAUSON AVE	ENVIROSTOR, HWTS	Lower	3175, 0.601, SSE
N69	AMERICAN LABS & RECO	1116 E 58TH ST	HWP	Lower	3232, 0.612, SE
70	JEFFERSON NEW ELEMEN	MCKINLEY AVENUE/42ND	ENVIROSTOR, SCH	Higher	3246, 0.615, North
71	CALIFORNIA METAL -X	366 EAST 58TH STREET	ENVIROSTOR, WDS	Lower	3258, 0.617, SSW
72	HOOPER/MIRAMONTE PRI	55TH STREET/HOOPER A	ENVIROSTOR, SCH	Lower	3418, 0.647, ESE
O73	NAVARRO PROPERTY	1250-1256 EAST 57TH	RESPONSE, ENVIROSTOR, LIENS, CERS	Lower	3461, 0.655, SE
P74	PETERSON SHOW CASE &	301 E 58TH STREET	SEMS-ARCHIVE, ENVIROSTOR	Lower	3504, 0.664, SW
O75	HOOPER/MIRAMONTE PRI	56TH STREET/HOOPER A	ENVIROSTOR, SCH	Lower	3583, 0.679, SE
76	AMERICAN BUMPER SALE	1150 EAST SLAUSON AV	ENVIROSTOR	Lower	3587, 0.679, SE
Q77	SLAUSON-CENTRAL SHOP	SLAUSON, S. CENTRAL,	ENVIROSTOR, VCP, DEED	Lower	3607, 0.683, SSE
P78	SOUTH CENTRAL DISCOV	SOUTH CENTRAL LOS AN	RESPONSE, ENVIROSTOR	Lower	3746, 0.709, SW

MAPPED SITES SUMMARY

Target Property Address:
750 EAST 49TH STREET
LOS ANGELES, CA 90011

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
R79	K. J. WELDING & IRON	1202 EAST SLAUSON AV	SEMS, ENVIROSTOR	Lower	3765, 0.713, SE
80	CALIFORNIA AERODYNAM	911 E 59TH ST	RCRA-SQG, ENVIROSTOR, SWEEPS UST, CA FID UST,...	Lower	3784, 0.717, SSE
R81	ATLAS PLATING COMPAN	1206 E. SLAUSON AVEN	ENVIROSTOR	Lower	3807, 0.721, SE
R82	PUCKETT LUCILLE M. T	1206 SLAUSON AVENUE	ENVIROSTOR	Lower	3807, 0.721, SE
Q83	LE MANS MOTORS	5872 SOUTH CENTRAL A	ENVIROSTOR	Lower	3825, 0.724, SSE
84	RUDY & MARY CONCHA P	750 E. 59TH STREET	SEMS-ARCHIVE, ENVIROSTOR	Lower	3857, 0.730, South
85	L.A. SANI FELT CO	830 E 59TH ST	ENVIROSTOR, EMI, HAZMAT, CERS	Lower	3875, 0.734, South
86	SNAPE'S SERVICE STAT	5201 COMPTON AVE	ENVIROSTOR, HIST UST, HAZMAT	Higher	3979, 0.754, ESE
87	HALL'S STORE FIXTURE	5890 SOUTH CENTRAL A	ENVIROSTOR	Lower	4038, 0.765, SSE
88	CRES #16 SITE 3 5640	MAIN STREET/57TH STR	ENVIROSTOR, SCH	Lower	4073, 0.771, SW
89	CROCKER PLATING WORK	5908 CROCKER ST	RCRA-LQG, ENVIROSTOR, SWEEPS UST, HIST UST, CA FID	Lower	4135, 0.783, SSW
90	ASCOT AVENUE ES ADDI	1447 EAST 45TH STREE	ENVIROSTOR, SCH	Higher	4165, 0.789, ENE
S91	PLATING SHOP	5816 HOOPER AVENUE	ENVIROSTOR	Lower	4213, 0.798, SE
S92	MASTER BODY SHOP	1322 EAST SLAUSON AV	ENVIROSTOR	Lower	4231, 0.801, SE
S93	BAUHAUS GROUP	1316 EAST SLAUSON AV	ENVIROSTOR	Lower	4285, 0.812, SE
94	OLD COUNTRY MIL WORK	1212 E. 58TH DR.	ENVIROSTOR, CDL	Lower	4290, 0.812, SE
95	HI-TECH IRON WORKS	701 EAST 60TH STREET	SEMS-ARCHIVE, ENVIROSTOR, HAZMAT, HWTS	Lower	4300, 0.814, South
96	SLAUSON & WALL PROJE	5867 S. LOS ANGELES	ENVIROSTOR, VCP	Lower	4306, 0.816, SW
T97	ATOMIC RAGS #3	851 EAST 60TH ST.	ENVIROSTOR	Lower	4310, 0.816, South
T98	ATOMIC RAGS COMPANY	859 E. 60TH STREET	SEMS-ARCHIVE, ENVIROSTOR	Lower	4319, 0.818, South
T99	ATOMIC RAGS #2	909 EAST 60TH STREET	ENVIROSTOR	Lower	4330, 0.820, SSE
100	KERR GLASS MANUFACTU	4855 EAST 57TH PLACE	ENVIROSTOR	Lower	4334, 0.821, SSW
T101	RELIABLE REMANUFACTU	918 E 60TH ST	ENVIROSTOR, EMI, HAZMAT	Lower	4442, 0.841, South
102	MUNOZ CARRILLO AUTO	5870 HOOPER AVE	ENVIROSTOR, EMI, HAZNET, HWTS	Lower	4495, 0.851, SE
103	ARTWOOD DESK DESIGN	6000 S AVALON BLVD	ENVIROSTOR, EMI, HAZMAT	Lower	4518, 0.856, South
104	ALLOY METALS CO. INC	1000 E 60TH ST	ENVIROSTOR, VCP, HIST UST	Lower	4538, 0.859, SSE
105	JEFFERSON NEW ELEM S	416-460 MARTIN LUTHE	ENVIROSTOR, SCH	Higher	4618, 0.875, NNW
U106	AMERICAN LABS INC	5701 S COMPTON AVE	SEMS, CORRACTS, RCRA-TSDF, ENVIROSTOR, RCRA NonGen	Lower	4650, 0.881, ESE
U107	FOUR STAR CHEMICAL	5701 COMPTON AVE.	ENVIROSTOR	Lower	4650, 0.881, ESE
108	ANTES COLUMBUS YOUTH	120 WEST SLAUSON AVE	ENVIROSTOR, SCH	Lower	4671, 0.885, SW
109	JEFFERSON ELEMENTARY	MARTIN LUTHER KING J	ENVIROSTOR, SCH	Higher	4689, 0.888, NNW
V110	MEL BROWN	709 EAST 61ST STREET	ENVIROSTOR, HAZMAT	Lower	4758, 0.901, South
W111	LESLIE MARCY JOHNNY	831 EAST 61ST STREET	ENVIROSTOR	Lower	4758, 0.901, South
V112	GRAND RAPIDS-ZIMMERL	641 EAST 61ST STREET	ENVIROSTOR, EMI	Lower	4759, 0.901, South
113	MEMLEY PLATING WORKS	5966 SOUTH SAN PEDRO	ENVIROSTOR, HIST CORTESE, LA Co. Site Mitigation	Lower	4773, 0.904, SSW
X114	FOX TRADING	901 EAST 61ST STREET	SEMS, ENVIROSTOR	Lower	4776, 0.905, South
X115	JULIES TRADING CO.	931 EAST 61ST STREET	ENVIROSTOR	Lower	4814, 0.912, SSE
116	J W MINDER CHAIN AND	6011 CENTRAL AVENUE	ENVIROSTOR, HIST CORTESE	Lower	4858, 0.920, SSE
W117	LEMCO CORPORATION	802 E 61ST ST	ENVIROSTOR, HAZNET, HWTS	Lower	4871, 0.923, South

MAPPED SITES SUMMARY

Target Property Address:
750 EAST 49TH STREET
LOS ANGELES, CA 90011

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MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
V118	OVAL SOUP CLEANERS	724/728 EAST 61ST ST	ENVIROSTOR	Lower	4889, 0.926, South
119	FLINT INK CORPORATIO	6100 AVALON BOULEVAR	ENVIROSTOR	Lower	4905, 0.929, South
120	SOUTH REGION ELEMENT	125 58TH PLACE	ENVIROSTOR, SCH, CERS	Lower	4945, 0.937, SW
Y121	PACIFIC PRINTING IND	707 E 62ND ST	RCRA-SQG, ENVIROSTOR, FINDS, ECHO, EMI, HAZNET,...	Lower	5188, 0.983, South
Y122	PACIFIC PRINTING IND	701/707 EAST 62ND ST	ENVIROSTOR	Lower	5205, 0.986, South
123	ESPINOZA PROPERTY	308 EAST 61ST STREET	ENVIROSTOR	Lower	5231, 0.991, SSW
124	AMERICAN SUPERIOR VI	1001 EAST 62ND STREE	ENVIROSTOR	Lower	5270, 0.998, SSE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
LAUSD 49TH ST ELEM S 750 E 49TH ST LOS ANGELES, CA 90011	ECHO Registry ID: 110002780768	N/A
LAUSD/ 49TH ST ELEM 750 E 49TH ST LOS ANGELES, CA 90011	HAZNET GEPAID: CAD982025165 HAZMAT Database: LOS ANGELES HM, Date of Government Version: 04/19/2021 HWTS	N/A
LAUSD 49TH ST ELEM S 750 E 49TH ST LOS ANGELES, CA 90011	RCRA-SQG EPA ID:: CAD982025165 FINDS Registry ID:: 110002780768	CAD982025165

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-VSQG ---- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---- Land Use Control Information System
US ENG CONTROLS ---- Engineering Controls Sites List
US INST CONTROLS ---- Institutional Controls Sites List

Federal ERNS list

ERNS ---- Emergency Response Notification System

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF ---- Solid Waste Information System

Lists of state and tribal leaking storage tanks

INDIAN LUST ---- Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ---- Underground Storage Tank Listing
AST ---- Aboveground Petroleum Storage Tank Facilities
INDIAN UST ---- Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

VCP ---- Voluntary Cleanup Program Properties
INDIAN VCP ---- Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS ---- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT ---- Waste Management Unit Database
HAULERS ---- Registered Waste Tire Haulers Listing
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
ODI ---- Open Dump Inventory
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
AOCONCERN ---- Key Areas of Concerns in Los Angeles County

CDL ---- Clandestine Drug Labs
Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register
AQUEOUS FOAM ---- Former Fire Training Facility Assessments Listing
PFAS ---- PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

HIST UST ---- Hazardous Substance Storage Container Database
CERS TANKS ---- California Environmental Reporting System (CERS) Tanks

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information
DEED ---- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
CHMIRS ---- California Hazardous Material Incident Report System
LDS ---- Land Disposal Sites Listing
MCS ---- Military Cleanup Sites Listing
SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
ROD ---- Records Of Decision
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
ICIS ---- Integrated Compliance Information System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
HIST FTTS ---- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---- Incident and Accident Data
CONSENT ---- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---- Indian Reservations
FUSRAP ---- Formerly Utilized Sites Remedial Action Program
UMTRA ---- Uranium Mill Tailings Sites
LEAD SMELTERS ---- Lead Smelter Sites

US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
UXO	Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	ICE
LOS ANGELES CO. HMS	HMS: Street Number List
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
LA Co. Site Mitigation	Site Mitigation List
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
CIWQS	California Integrated Water Quality System
CERS	CERS
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)
LOS ANGELES CO LF METHANE	Methane Producing Landfills
MINES MRDS	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	Recovered Government Archive Solid Waste Facilities List
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal sites subject to CERCLA removals and CERCLA orders

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 10/20/2021 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HARD CHROME PRODUCTS Site ID: 0905242 EPA Id: CA0001095934	***6028 HOOPER AVENUE***	***SSW 1/4 - 1/2 (0.411 mi.)***	***I47***	***144***

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 10/20/2021 has revealed that there are 3 SEMS-ARCHIVE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DEPENDABLE REFRIGERA	5201-5225 SOUTH CENT	ESE 1/4 - 1/2 (0.278 mi.)	G33	76

Lower Elevation	Address	Direction / Distance	Map ID	Page
ROUNDTREE PROPERTY	***5201 AVALON BOULEVAR***	***SW 1/8 - 1/4 (0.207 mi.)***	***25***	***52***

Lower Elevation	Address	Direction / Distance	Map ID	Page
SOUTHERN CALIFORNIA Site ID: 0905528 EPA Id: CASFN0905528	5413 AVALON BOULEVAR	SSW 1/4 - 1/2 (0.345 mi.)	H39	101

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 09/13/2021 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
AMERICAN LABS INC EPA ID:: CAD981459175	***5701 S COMPTON AVE***	***ESE 1/2 - 1 (0.881 mi.)***	***U106***	***416***

Lists of Federal RCRA generators

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 09/13/2021 has revealed that there are 2 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER RESIDENCE TO EPA ID:: CAR000224386	4916 S MCKINLEY AVE	ENE 0 - 1/8 (0.021 mi.)	5	30

Lower Elevation	Address	Direction / Distance	Map ID	Page
FORMER RESIDENCE TO EPA ID:: CAR000224352	670 E 49TH ST	WNW 0 - 1/8 (0.003 mi.)	4	28

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 09/13/2021 has revealed that there are 3

RCRA-SQG sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DUNBAR ECONOMIC DEV EPA ID:: CAR000107540	***762 E 52ND PL***	***S 1/8 - 1/4 (0.195 mi.)***	***23***	***47***
TARIN PAINTING INC EPA ID:: CAR000011064	413-1/2 E 52ND AVE	WSW 1/8 - 1/4 (0.248 mi.)	F29	64
TARIN PAINTING INC EPA ID:: CAR000011049	***413 E 52ND ST***	***WSW 1/8 - 1/4 (0.248 mi.)***	***F30***	***66***

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the RESPONSE list, as provided by EDR, has revealed that there are 3 RESPONSE sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HARD CHROME PRODUCTS Database: RESPONSE, Date of Government Version: 07/22/2021 Status: Active Facility Id: 19340231	***617 EAST 56TH STREET***	***SSW 1/4 - 1/2 (0.411 mi.)***	***I46***	***121***
NAVARRO PROPERTY Database: RESPONSE, Date of Government Version: 07/22/2021 Status: Certified Facility Id: 70000049	***1250-1256 EAST 57TH***	***SE 1/2 - 1 (0.655 mi.)***	***O73***	***247***
SOUTH CENTRAL DISCOV Database: RESPONSE, Date of Government Version: 07/22/2021 Status: No Further Action Facility Id: 60001403	***SOUTH CENTRAL LOS AN***	***SW 1/2 - 1 (0.709 mi.)***	***P78***	***267***

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 07/22/2021 has revealed that there are 79 ENVIROSTOR sites within approximately 1 mile of the target property.

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HOOPER/MIRAMONTE PRI Facility Id: 19760022 Status: Inactive - Withdrawn	***48TH STREET/AVALON A***	***NW 0 - 1/8 (0.091 mi.)***	***B8***	***37***
DEPENDABLE REFRIGERA Facility Id: 19760023 Status: Inactive - Action Required	5201 SOUTH CENTRAL A	ESE 1/4 - 1/2 (0.278 mi.)	G32	75
CENTRAL REGION ELEME Facility Id: 60000819 Status: Certified	***EAST 45TH STREET AND***	***NE 1/4 - 1/2 (0.398 mi.)***	***J44***	***112***
JEFFERSON HOOPER PRI Facility Id: 19880054 Status: Inactive - Withdrawn	***52ND STREET/HOOPER A***	***ESE 1/2 - 1 (0.572 mi.)***	***65***	***203***
JEFFERSON NEW ELEMEN Facility Id: 19010029 Status: No Further Action	***MCKINLEY AVENUE/42ND***	***N 1/2 - 1 (0.615 mi.)***	***70***	***239***
SNAPE'S SERVICE STAT Facility Id: 19550028 Status: Inactive - Action Required	***5201 COMPTON AVE***	***ESE 1/2 - 1 (0.754 mi.)***	***86***	***286***
ASCOT AVENUE ES ADDI Facility Id: 19820041 Status: No Action Required	***1447 EAST 45TH STREE***	***ENE 1/2 - 1 (0.789 mi.)***	***90***	***378***
JEFFERSON NEW ELEM S Facility Id: 19820100 Status: No Action Required	***416-460 MARTIN LUTHE***	***NNW 1/2 - 1 (0.875 mi.)***	***105***	***413***
JEFFERSON ELEMENTARY Facility Id: 19880018 Status: Certified	***MARTIN LUTHER KING J***	***NNW 1/2 - 1 (0.888 mi.)***	***109***	***456***

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEBER SHOWCASE AND F Facility Id: 80001154 Status: Inactive - Needs Evaluation		W 1/8 - 1/4 (0.181 mi.)	E21	46
ROUNDTREE PROPERTY Facility Id: 60001711 Facility Id: 19550027 Status: Refer: EPA Status: Inactive - Action Required	***5201 AVALON BOULEVAR***	***SW 1/8 - 1/4 (0.207 mi.)***	***25***	***52***
JEFFERSON NEW ELEMEN Facility Id: 19880016 Status: Certified	***WADWORTH AVENUE/52ND***	***SE 1/4 - 1/2 (0.255 mi.)***	***31***	***70***
SOUTHERN CALIFORNIA Facility Id: 60001669 Status: Refer: EPA	***5413 AVALON BLVD.***	***SSW 1/4 - 1/2 (0.345 mi.)***	***H37***	***93***
AVALON WETLANDS PARK Facility Id: 60000138 Status: No Action Required	***5413 AVALON BOULEVAR***	***SSW 1/4 - 1/2 (0.345 mi.)***	***H40***	***102***
CENTRAL REGION HIGH	***EAST 52ND STREET/SAN***	***SW 1/4 - 1/2 (0.345 mi.)***	***41***	***104***

Facility Id: 60000392 Status: Certified				
METAL FAB Facility Id: 60001120 Status: No Further Action	616 EAST 55TH STREET	SSW 1/4 - 1/2 (0.380 mi.)	I42	110
HARD CHROME PRODUCTS Facility Id: 19340231 Status: Active	***617 EAST 56TH STREET***	***SSW 1/4 - 1/2 (0.411 mi.)***	***I46***	***121***
HARD CHROME DISCOVER Facility Id: 60000687 Status: No Action Required	VICINITY OF EAST 56T	SSW 1/4 - 1/2 (0.424 mi.)	I51	163
DOROTHY V. JOHNSON O Facility Id: 19820039 Status: No Further Action	***333 EAST 54TH STREET***	***SW 1/4 - 1/2 (0.425 mi.)***	***52***	***166***
LOS ANGELES ACADEMY Facility Id: 19820012 Status: Active	***644 EAST 56TH STREET***	***S 1/4 - 1/2 (0.432 mi.)***	***L54***	***172***
HOOPER/MIRAMONTE PRI Facility Id: 19880077 Status: Inactive - Withdrawn	***57TH STREET/AVALON S***	***SSW 1/4 - 1/2 (0.483 mi.)***	***59***	***194***
EASY SEWING CO. Facility Id: 60001728 Status: Refer: Other Agency	5716 MCKINLEY AVENUE	S 1/2 - 1 (0.540 mi.)	M60	196
ADVANCED ALUMINIUM & Facility Id: 19340787 Status: Inactive - Action Required	***1001 E. SLAUSON AVE.***	***SSE 1/2 - 1 (0.563 mi.)***	***61***	***197***
L.A. CRANK & ENGINE Facility Id: 19390062 Status: Inactive - Action Required	5728 S. CENRAL AVE.	SSE 1/2 - 1 (0.565 mi.)	N62	199
RIO PRODUCTS COMPANY Facility Id: 19230001 Status: No Further Action	***401 E. 58TH STREET***	***SSW 1/2 - 1 (0.565 mi.)***	***63***	***200***
J C HOLDERNESS Facility Id: 60001715 Status: Refer: EPA	5732 SOUTH CENTRAL A	SSE 1/2 - 1 (0.571 mi.)	N64	202
UNITED ALLOYS, INC. Facility Id: 19340754 Status: Active	***900 EAST SLAUSON AVE***	***S 1/2 - 1 (0.592 mi.)***	***M66***	***206***
J&A FURNITURE Facility Id: 19570001 Status: No Further Action	5815 SOUTH CENTRAL A	SSE 1/2 - 1 (0.596 mi.)	N67	235
LOS ANGELES MILLWORK Facility Id: 19240004 Status: No Further Action	***936 EAST SLAUSON AVE***	***SSE 1/2 - 1 (0.601 mi.)***	***68***	***236***
CALIFORNIA METAL -X Facility Id: 19210003 Status: Inactive - Action Required	***366 EAST 58TH STREET***	***SSW 1/2 - 1 (0.617 mi.)***	***71***	***242***
HOOPER/MIRAMONTE PRI Facility Id: 19880075	***55TH STREET/HOOPER A***	***ESE 1/2 - 1 (0.647 mi.)***	***72***	***244***

Status: Inactive - Withdrawn				
NAVARRO PROPERTY	***1250-1256 EAST 57TH***	***SE 1/2 - 1 (0.655 mi.)***	***O73***	***247***
Facility Id: 70000049				
Status: Certified				
PETERSON SHOW CASE &	***301 E 58TH STREET***	***SW 1/2 - 1 (0.664 mi.)***	***P74***	***254***
Facility Id: 19250030				
Status: Inactive - Needs Evaluation				
HOOPER/MIRAMONTE PRI	***56TH STREET/HOOPER A***	***SE 1/2 - 1 (0.679 mi.)***	***O75***	***256***
Facility Id: 19590017				
Status: Inactive - Withdrawn				
AMERICAN BUMPER SALE	1150 EAST SLAUSON AV	SE 1/2 - 1 (0.679 mi.)	76	259
Facility Id: 19750098				
Status: Inactive - Action Required				
SLAUSON-CENTRAL SHOP	***SLAUSON, S. CENTRAL,***	***SSE 1/2 - 1 (0.683 mi.)***	***Q77***	***260***
Facility Id: 19300240				
Status: Certified O&M - Land Use Restrictions Only				
SOUTH CENTRAL DISCOV	***SOUTH CENTRAL LOS AN***	***SW 1/2 - 1 (0.709 mi.)***	***P78***	***267***
Facility Id: 60001403				
Status: No Further Action				
K. J. WELDING & IRON	***1202 EAST SLAUSON AV***	***SE 1/2 - 1 (0.713 mi.)***	***R79***	***270***
Facility Id: 19340789				
Status: Inactive - Action Required				
CALIFORNIA AERODYNAM	***911 E 59TH ST***	***SSE 1/2 - 1 (0.717 mi.)***	***80***	***273***
Facility Id: 60002410				
Status: Refer: EPA				
ATLAS PLATING COMPAN	1206 E. SLAUSON AVEN	SE 1/2 - 1 (0.721 mi.)	R81	277
Facility Id: 19340777				
Status: Inactive - Needs Evaluation				
PUCKETT LUCILLE M. T	1206 SLAUSON AVENUE	SE 1/2 - 1 (0.721 mi.)	R82	279
Facility Id: 60001683				
Status: Refer: EPA				
LE MANS MOTORS	5872 SOUTH CENTRAL A	SSE 1/2 - 1 (0.724 mi.)	Q83	280
Facility Id: 19750099				
Status: No Action Required				
RUDY & MARY CONCHA P	***750 E. 59TH STREET***	***S 1/2 - 1 (0.730 mi.)***	***84***	***281***
Facility Id: 19990039				
Status: No Further Action				
L.A. SANI FELT CO	***830 E 59TH ST***	***S 1/2 - 1 (0.734 mi.)***	***85***	***283***
Facility Id: 60001718				
Status: Refer: EPA				
HALL'S STORE FIXTURE	5890 SOUTH CENTRAL A	SSE 1/2 - 1 (0.765 mi.)	87	288
Facility Id: 60001744				
Status: Refer: EPA				
CRES #16 SITE 3 5640	***MAIN STREET/57TH STR***	***SW 1/2 - 1 (0.771 mi.)***	***88***	***289***
Facility Id: 60000097				
Status: Certified				
CROCKER PLATING WORK	***5908 CROCKER ST***	***SSW 1/2 - 1 (0.783 mi.)***	***89***	***296***
Facility Id: 71002333				
Status: Refer: Other Agency				
PLATING SHOP	5816 HOOPER AVENUE	SE 1/2 - 1 (0.798 mi.)	S91	380

Facility Id: 19340778 Status: Inactive - Needs Evaluation				
MASTER BODY SHOP Facility Id: 60002094 Status: Refer: EPA	1322 EAST SLAUSON AV	SE 1/2 - 1 (0.801 mi.)	S92	382
BAUHAUS GROUP Facility Id: 19320198 Status: Inactive - Action Required	1316 EAST SLAUSON AV	SE 1/2 - 1 (0.812 mi.)	S93	383
OLD COUNTRY MIL WORK Facility Id: 60001699 Status: No Action Required	***1212 E. 58TH DR.***	***SE 1/2 - 1 (0.812 mi.)***	***94***	***384***
HI-TECH IRON WORKS Facility Id: 19340782 Status: No Further Action	***701 EAST 60TH STREET***	***S 1/2 - 1 (0.814 mi.)***	***95***	***385***
SLAUSON & WALL PROJE Facility Id: 60002602 Status: Active	***5867 S. LOS ANGELES***	***SW 1/2 - 1 (0.816 mi.)***	***96***	***389***
ATOMIC RAGS #3 Facility Id: 19281219 Status: Inactive - Needs Evaluation	851 EAST 60TH ST.	S 1/2 - 1 (0.816 mi.)	T97	396
ATOMIC RAGS COMPANY Facility Id: 19281221 Status: Inactive - Needs Evaluation	***859 E. 60TH STREET***	***S 1/2 - 1 (0.818 mi.)***	***T98***	***397***
ATOMIC RAGS #2 Facility Id: 19281220 Status: Inactive - Needs Evaluation	909 EAST 60TH STREET	SSE 1/2 - 1 (0.820 mi.)	T99	399
KERR GLASS MANUFACTU Facility Id: 19320190 Status: No Further Action	4855 EAST 57TH PLACE	SSW 1/2 - 1 (0.821 mi.)	100	401
RELIABLE REMANUFACTU Facility Id: 60001681 Status: Refer: EPA	***918 E 60TH ST***	***S 1/2 - 1 (0.841 mi.)***	***T101***	***402***
MUNOZ CARRILLO AUTO Facility Id: 60002829 Status: Inactive - Needs Evaluation	***5870 HOOPER AVE***	***SE 1/2 - 1 (0.851 mi.)***	***102***	***404***
ARTWOOD DESK DESIGN Facility Id: 60002432 Status: Refer: EPA	***6000 S AVALON BLVD***	***S 1/2 - 1 (0.856 mi.)***	***103***	***408***
ALLOY METALS CO. INC Facility Id: 19330384 Status: Inactive - Action Required	***1000 E 60TH ST***	***SSE 1/2 - 1 (0.859 mi.)***	***104***	***410***
AMERICAN LABS INC Facility Id: 80001478 Status: Active	***5701 S COMPTON AVE***	***ESE 1/2 - 1 (0.881 mi.)***	***U106***	***416***
FOUR STAR CHEMICAL Facility Id: 19281224 Status: Inactive - Action Required	5701 COMPTON AVE.	ESE 1/2 - 1 (0.881 mi.)	U107	450
ANTES COLUMBUS YOUTH Facility Id: 60000771	***120 WEST SLAUSON AVE***	***SW 1/2 - 1 (0.885 mi.)***	***108***	***452***

Status: No Action Required				
MEL BROWN Facility Id: 60001705 Status: Refer: EPA	***709 EAST 61ST STREET***	***S 1/2 - 1 (0.901 mi.)***	***V110***	***462***
LESLIE MARCY JOHNNY Facility Id: 19390052 Status: No Further Action	831 EAST 61ST STREET	S 1/2 - 1 (0.901 mi.)	W111	463
GRAND RAPIDS-ZIMMERL Facility Id: 60001735 Status: Refer: EPA	***641 EAST 61ST STREET***	***S 1/2 - 1 (0.901 mi.)***	***V112***	***464***
MEMLEY PLATING WORKS Facility Id: 19340274 Status: Refer: Other Agency	***5966 SOUTH SAN PEDRO***	***SSW 1/2 - 1 (0.904 mi.)***	***113***	***465***
FOX TRADING Facility Id: 19281222 Status: Inactive - Needs Evaluation	***901 EAST 61ST STREET***	***S 1/2 - 1 (0.905 mi.)***	***X114***	***467***
JULIES TRADING CO. Facility Id: 60001716 Status: Refer: EPA	931 EAST 61ST STREET	SSE 1/2 - 1 (0.912 mi.)	X115	469
J W MINDER CHAIN AND Facility Id: 19350094 Status: No Further Action	***6011 CENTRAL AVENUE***	***SSE 1/2 - 1 (0.920 mi.)***	***116***	***470***
LEMCO CORPORATION Facility Id: 60002409 Status: Refer: EPA	***802 E 61ST ST***	***S 1/2 - 1 (0.923 mi.)***	***W117***	***472***
OVAL SOUP CLEANERS Facility Id: 60001698 Status: Refer: EPA	724/728 EAST 61ST ST	S 1/2 - 1 (0.926 mi.)	V118	483
FLINT INK CORPORATIO Facility Id: 19280969 Status: Refer: RCRA	6100 AVALON BOULEVAR	S 1/2 - 1 (0.929 mi.)	119	484
SOUTH REGION ELEMENT Facility Id: 60000520 Status: Certified	***125 58TH PLACE***	***SW 1/2 - 1 (0.937 mi.)***	***120***	***486***
PACIFIC PRINTING IND Facility Id: 60002412 Status: Refer: EPA	***707 E 62ND ST***	***S 1/2 - 1 (0.983 mi.)***	***Y121***	***497***
PACIFIC PRINTING IND Facility Id: 60001693 Status: Refer: EPA	701/707 EAST 62ND ST	S 1/2 - 1 (0.986 mi.)	Y122	507
ESPINOZA PROPERTY Facility Id: 60001729 Status: Refer: EPA	308 EAST 61ST STREET	SSW 1/2 - 1 (0.991 mi.)	123	508
AMERICAN SUPERIOR VI Facility Id: 60001122 Status: Inactive - Action Required	1001 EAST 62ND STREE	SSE 1/2 - 1 (0.998 mi.)	124	509

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the LUST list, as provided by EDR, has revealed that there are 4 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WINALL OIL #9	***4442 AVALON BLVD. S.***	***NNW 1/4 - 1/2 (0.300 mi.)***	***34***	***77***
Database: LUST, Date of Government Version: 09/07/2021 Status: Completed - Case Closed Global Id: T0603728537				
CHOES AUTO CENTRAL	***4368 AVALON BLVD***	***NNW 1/4 - 1/2 (0.398 mi.)***	***K45***	***118***
Database: LUST, Date of Government Version: 09/07/2021 Status: Completed - Case Closed Global Id: T10000011039				
ARCO #5225	***4424 CENTRAL AVE S***	***NE 1/4 - 1/2 (0.422 mi.)***	***J50***	***160***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 09/07/2021 Status: Completed - Case Closed Facility Id: 900110107 Status: Case Closed Global Id: T0603700499 Global ID: T0603700499				
FIRE STATION #21	***1187 052ND ST E***	***ESE 1/4 - 1/2 (0.440 mi.)***	***55***	***189***
Database: LUST REG 4, Date of Government Version: 09/07/2004 Database: LUST, Date of Government Version: 09/07/2021 Status: Completed - Case Closed Facility Id: 900110070 Status: Case Closed Global Id: T0603700496 Global ID: T0603700496				

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 2 CPS-SLIC sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
JEFFERSON MIDDLE SCH	***644 56TH ST***	***S 1/4 - 1/2 (0.432 mi.)***	***L53***	***169***
Database: CPS-SLIC, Date of Government Version: 09/07/2021 Global Id: SL184741457 Facility Status: Open - Inactive				
JEFFERSON MIDDLE SCH	644 056TH	S 1/4 - 1/2 (0.470 mi.)	L58	193
Database: SLIC REG 4, Date of Government Version: 11/17/2004				

Lists of state and tribal registered storage tanks

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, has revealed that there are 7 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CONNER & JOHNSON MOR Database: LOS ANGELES UST, Date of Government Version: 04/19/2021	4700 S AVALON BLVD	NW 1/8 - 1/4 (0.156 mi.)	D18	45
Not reported Database: LOS ANGELES UST, Date of Government Version: 04/19/2021	4625 S AVALON BLVD	NW 1/8 - 1/4 (0.196 mi.)	D24	52
Not reported Database: LOS ANGELES UST, Date of Government Version: 04/19/2021	5001 S CENTRAL AVE	E 1/8 - 1/4 (0.236 mi.)	26	55
Not reported Database: LOS ANGELES UST, Date of Government Version: 04/19/2021	4903 S CENTRAL AVE	ENE 1/8 - 1/4 (0.247 mi.)	27	56

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported Database: LOS ANGELES UST, Date of Government Version: 04/19/2021	5026 S AVALON BLVD	WSW 0 - 1/8 (0.098 mi.)	C12	41
Not reported Database: LOS ANGELES UST, Date of Government Version: 04/19/2021	5014 S AVALON BLVD	WSW 0 - 1/8 (0.098 mi.)	C14	41
Not reported Database: LOS ANGELES UST, Date of Government Version: 04/19/2021	5101 S AVALON BLVD	WSW 1/8 - 1/4 (0.148 mi.)	17	45

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 06/10/2021 has revealed that there are 3 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
AVALON BOULEVARD COM ACRES property ID: 11459 Cleanup Completion Date: -	***AVALON BOULEVARD BET***	***SSW 1/4 - 1/2 (0.312 mi.)***	***H35***	***83***
WETLANDS PARK ACRES property ID: 165735 Cleanup Completion Date: 09/08/2011 Cleanup Completion Date: -	***54TH ST. AND AVALON***	***SSW 1/4 - 1/2 (0.314 mi.)***	***H36***	***86***
MTA AVALON FACILITY	***5413 AVALON BLVD***	***SSW 1/4 - 1/2 (0.345 mi.)***	***H38***	***95***

ACRES property ID: 60781
Cleanup Completion Date: -

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 09/07/2021 has revealed that there are 5 SWRCY sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
W'S METAL RECYCLING Cert Id: RC304892.001	4363 AVALON BLVD	NNW 1/4 - 1/2 (0.419 mi.)	K48	159

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALLI'S RECYCLING Cert Id: RC277658.001	5026 AVALON BLVD	WSW 0 - 1/8 (0.098 mi.)	C13	41
GREENFIELD DAIRY Cert Id: RC9551	***5400 S CENTRAL AVE***	***SE 1/4 - 1/2 (0.388 mi.)***	***43***	***111***
DIEGOS RECYCLING Cert Id: RC274859.001	5519 S CENTRAL AVE	SE 1/4 - 1/2 (0.459 mi.)	56	192
OMAR RECYCLING CENTE Cert Id: RC287492.001	239 E 53RD ST	WSW 1/4 - 1/2 (0.459 mi.)	57	193

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HARD CHROME PRODUCTS	***6028 HOOPER AVENUE***	***SSW 1/4 - 1/2 (0.411 mi.)***	***I47***	***144***

SCH: This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category. depending on the level of threat to public health and safety or the. environment they pose.

A review of the SCH list, as provided by EDR, and dated 07/22/2021 has revealed that there is 1 SCH site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HOOPER/MIRAMONTE PRI	***48TH STREET/AVALON A***	***NW 0 - 1/8 (0.091 mi.)***	***B8***	***37***

Facility Id: 19760022
Status: Inactive - Withdrawn

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 07/15/2021 has revealed that there are 2 CERS HAZ WASTE sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ZAPOPAN CARBURETORS	4714 S AVALON BLVD	NW 1/8 - 1/4 (0.141 mi.)	B16	42
SAN MIGUEL MINI AUTO	***4953 SOUTH CENTRAL A***	***E 1/8 - 1/4 (0.247 mi.)***	***28***	***56***

Local Lists of Registered Storage Tanks

SWEEPS UST: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WILLIE BESS MORGAN	***5102 AVALON BLVD***	***WSW 0 - 1/8 (0.123 mi.)***	***C15***	***42***
Comp Number: 7436				

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WILLIE BESS MORGAN	***5102 AVALON BLVD***	***WSW 0 - 1/8 (0.123 mi.)***	***C15***	***42***
Facility Id: 19054611				
Status: I				

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 09/13/2021 has revealed that

there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ESTELLA VILLASENOR EPA ID:: CAC003046763	886 1/2 E 50TH ST	ESE 0 - 1/8 (0.053 mi.)	6	33

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 08/10/2021 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEBER SHOWCASE AND F		W 1/8 - 1/4 (0.185 mi.)	E22	47

Cortese: The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

A review of the Cortese list, as provided by EDR, and dated 09/20/2021 has revealed that there are 5 Cortese sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WINALL OIL #9 Cleanup Status: COMPLETED - CASE CLOSED	***4442 AVALON BLVD. S.***	***NNW 1/4 - 1/2 (0.300 mi.)***	***34***	***77***
CHOES AUTO CENTRAL Cleanup Status: COMPLETED - CASE CLOSED	***4368 AVALON BLVD***	***NNW 1/4 - 1/2 (0.398 mi.)***	***K45***	***118***
ARCO #5225 Cleanup Status: COMPLETED - CASE CLOSED	***4424 CENTRAL AVE S***	***NE 1/4 - 1/2 (0.422 mi.)***	***J50***	***160***
FIRE STATION #21 Cleanup Status: COMPLETED - CASE CLOSED	***1187 052ND ST E***	***ESE 1/4 - 1/2 (0.440 mi.)***	***55***	***189***

Lower Elevation	Address	Direction / Distance	Map ID	Page
HARD CHROME PRODUCTS Envirostor Id: 19340231 Cleanup Status: ACTIVE	***617 EAST 56TH STREET***	***SSW 1/4 - 1/2 (0.411 mi.)***	***I46***	***121***

HIST CORTESE: The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARCO #5225 Reg Id: 900110107	4424 CENTRAL	NE 1/4 - 1/2 (0.422 mi.)	J49	160
FIRE STATION #21	***1187 052ND ST E***	***ESE 1/4 - 1/2 (0.440 mi.)***	***55***	***189***

Reg Id: 900110070

Lower Elevation	Address	Direction / Distance	Map ID	Page
JEFFERSON MIDDLE SCH	***644 56TH ST***	***S 1/4 - 1/2 (0.432 mi.)***	***L53***	***169***
Reg Id: 4B190106N10				

HWP: Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

A review of the HWP list, as provided by EDR, and dated 08/13/2021 has revealed that there are 2 HWP sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
AMERICAN LABS & RECO	1116 E 58TH ST	SE 1/2 - 1 (0.612 mi.)	N69	238
EPA ID: CAL000099147				
Cleanup Status: NON-OPERATING				
AMERICAN LABS INC	***5701 S COMPTON AVE***	***ESE 1/2 - 1 (0.881 mi.)***	***U106***	***416***
EPA ID: CAD981459175				
Cleanup Status: UNDERGOING CLOSURE				

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 2 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HAM WOODROW	5008 S AVALON	WSW 0 - 1/8 (0.097 mi.)	C10	40
DEVEREAUX LLOYD	5026 S AVALON	WSW 0 - 1/8 (0.098 mi.)	C11	40

EXECUTIVE SUMMARY

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

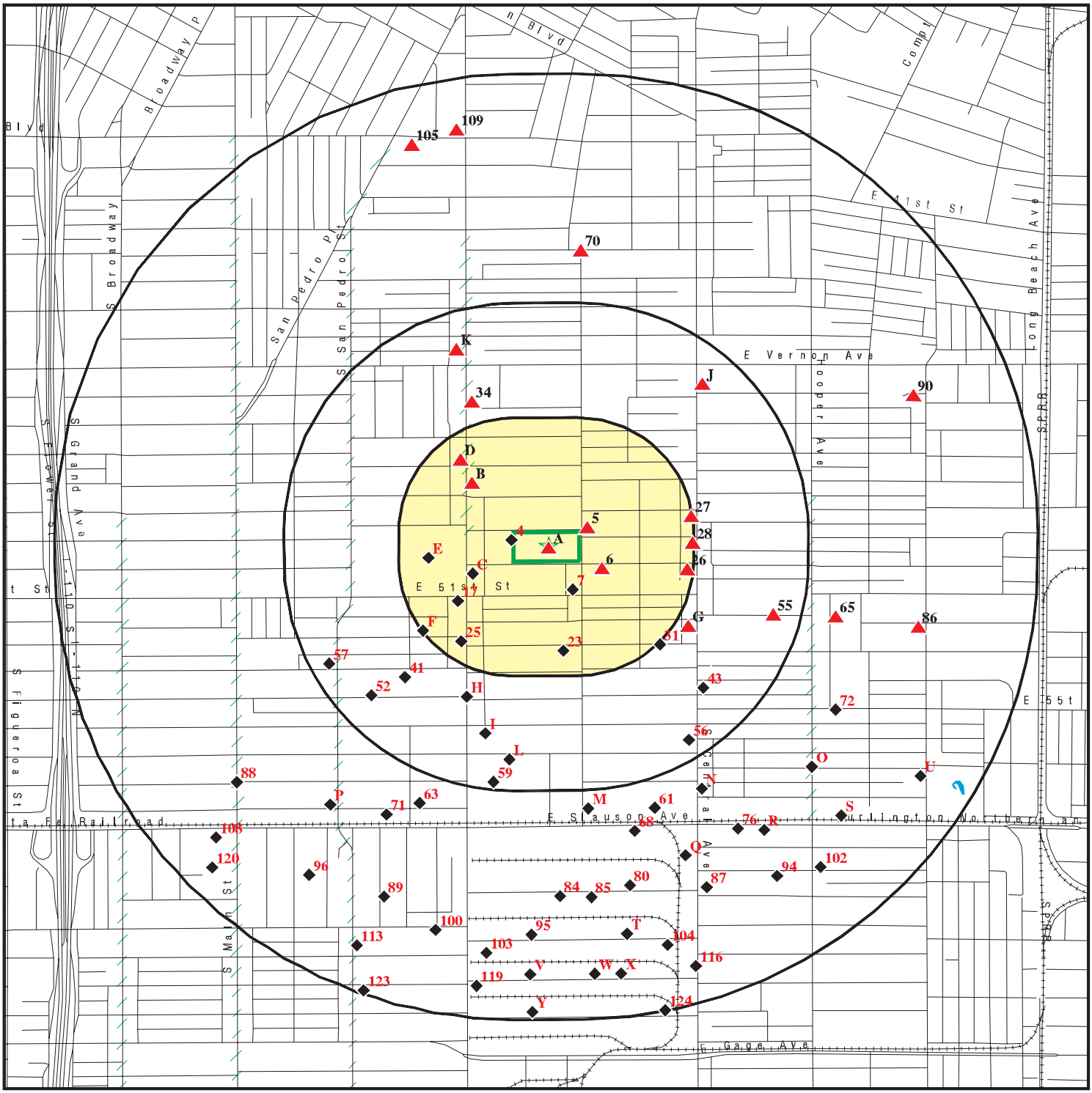
Lower Elevation	Address	Direction / Distance	Map ID	Page
FRAISSE W P	5006 S AVALON BLVD	WSW 0 - 1/8 (0.092 mi.)	C9	40

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name	Database(s)
	CDL

OVERVIEW MAP - 6792994.2S



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 750 East 49th Street	CLIENT: Tetra Tech Inc.
ADDRESS: 750 East 49th Street Los Angeles CA 90011	CONTACT: Tanya Maclean
LAT/LONG: 33.998102 / 118.262105	INQUIRY #: 6792994.2s DATE: December 17, 2021 4:01 pm

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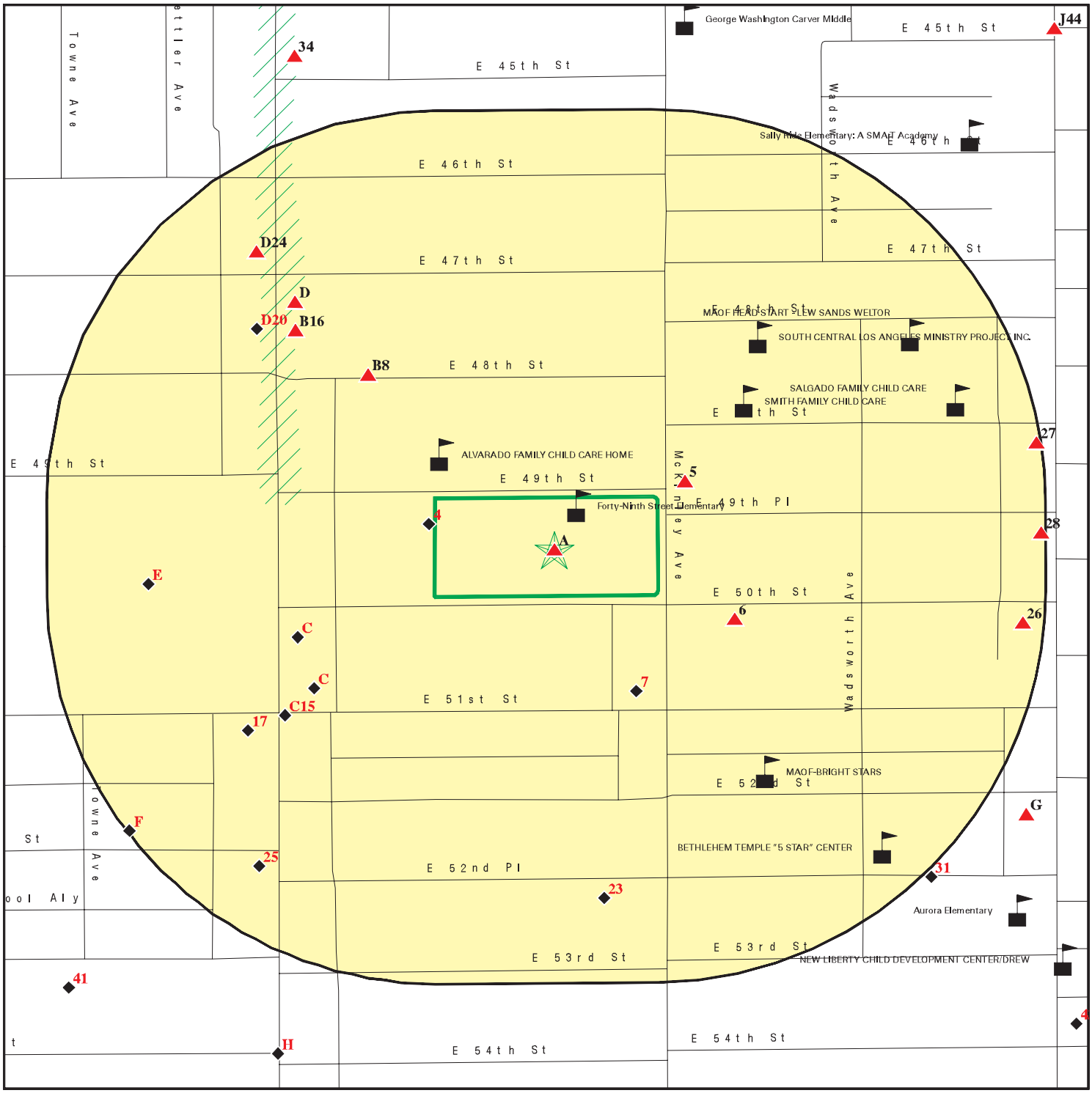
DETAIL MAP - 6792994.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	750 East 49th Street	CLIENT:	Tetra Tech Inc.
ADDRESS:	750 East 49th Street Los Angeles CA 90011	CONTACT:	Tanya Maclean
		INQUIRY #:	6792994.2s
LAT/LONG:	33.998102 / 118.262105	DATE:	December 17, 2021 4:02 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	1	NR	NR	1
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	1	2	NR	NR	3
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	1	NR	1
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		2	0	NR	NR	NR	2
RCRA-SQG	0.250	1	0	3	NR	NR	NR	4
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	1	2	NR	3
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		1	2	12	64	NR	79
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	4	NR	NR	4
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	2	NR	NR	2
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		2	5	NR	NR	NR	7
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	3	NR	NR	3
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		1	0	4	NR	NR	5
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
AOCONCERN	1.000		0	0	0	0	NR	0
HIST Cal-Sites	1.000		0	0	1	0	NR	1
SCH	0.250		1	0	NR	NR	NR	1
CDL	TP		NR	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		0	2	NR	NR	NR	2
US CDL	TP		NR	NR	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		1	0	NR	NR	NR	1
HIST UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA FID UST	0.250		1	0	NR	NR	NR	1
CERS TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	0	NR	NR	NR	1
FUDS	1.000		0	1	0	0	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
ECHO	TP	1	NR	NR	NR	NR	NR	1

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	5	NR	NR	5
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP	1	NR	NR	NR	NR	NR	1
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	3	NR	NR	3
LOS ANGELES CO. HMS	TP		NR	NR	NR	NR	NR	0
HWP	1.000		0	0	0	2	NR	2
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
LA Co. Site Mitigation	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
LOS ANGELES CO LF METHANE	0.500		0	0	0	NR	NR	0
HWTS	TP	1	NR	NR	NR	NR	NR	1
MINES MRDS	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		2	NR	NR	NR	NR	2
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		5	13	14	38	69	0	139

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **LAUSD 49TH ST ELEM SCHOOL** **ECHO** **1025891133**
Target Property **750 E 49TH ST** **N/A**
LOS ANGELES, CA 90011

Site 1 of 3 in cluster A

Actual: 181 ft.

ECHO:

Envid:	1025891133
Registry ID:	110002780768
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002780768
Name:	LAUSD 49TH ST ELEM SCHOOL
Address:	750 E 49TH ST
City,State,Zip:	LOS ANGELES, CA 90011

A2 **LAUSD/ 49TH ST ELEM** **HAZNET** **S113012753**
Target **750 E 49TH ST** **HAZMAT** **N/A**
Property **LOS ANGELES, CA 90011** **HWTS**

Site 2 of 3 in cluster A

Actual: 181 ft.

HAZNET:

Name:	LAUSD/ 49TH ST ELEM
Address:	750 E 49TH ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900110000
Contact:	PAT SCHAENEN
Telephone:	2132413921
Mailing Name:	Not reported
Mailing Address:	333 S BEAUDRY AVE FL 28
Year:	2015
Gepaid:	CAD982025165
TSD EPA ID:	CAD009007626
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.23
Year:	2010
Gepaid:	CAD982025165
TSD EPA ID:	CAD028409019
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.035
Year:	2010
Gepaid:	CAD982025165
TSD EPA ID:	AZC950823111
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	12
Year:	2010
Gepaid:	CAD982025165
TSD EPA ID:	CAD009007626
CA Waste Code:	151 - Asbestos containing waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)

LAUSD/ 49TH ST ELEM (Continued) **S113012753**

Tons: 0.8

Year: 2009
Gepaid: CAD982025165
TSD EPA ID: CAD009007626
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 0.4

Year: 2008
Gepaid: CAD982025165
TSD EPA ID: AZC950823111
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 42

Year: 2008
Gepaid: CAD982025165
TSD EPA ID: CAT000646117
CA Waste Code: 611 - Contaminated soil from site clean-up
Disposal Method: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons: 870.84

Year: 2005
Gepaid: CAD982025165
TSD EPA ID: AZC950823111
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: -
Tons: 75.852

Year: 2004
Gepaid: CAD982025165
TSD EPA ID: AZC950823111
CA Waste Code: 151 - Asbestos containing waste
Disposal Method: -
Tons: 16.856

Year: 2003
Gepaid: CAD982025165
TSD EPA ID: AZR000005454
CA Waste Code: 261 - Polychlorinated biphenyls and material containing PCBs
Disposal Method: R01 - Recycler
Tons: 0.551

Click this hyperlink while viewing on your computer to access
5 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2010
Gen EPA ID: CAD982025165

Shipment Date: 20101228
Creation Date: 3/28/2011 18:30:35

LAUSD/ 49TH ST ELEM (Continued) **S113012753**

Receipt Date:	20101228
Manifest ID:	001355750GBF
Trans EPA ID:	CAR000181891
Trans Name:	BDC SPECIAL WASTE SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	AZUSA LAND RECLAMATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.8
Waste Quantity:	2
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20101203
Creation Date:	2/23/2011 18:30:18
Receipt Date:	20101207
Manifest ID:	006762087JJK
Trans EPA ID:	CAL000115612
Trans Name:	S & R SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	12
Waste Quantity:	30
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20100722
Creation Date:	10/8/2010 18:30:08
Receipt Date:	20100729
Manifest ID:	006836964JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019

LAUSD/ 49TH ST ELEM (Continued) **S113012753**

Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAD982025165
Shipment Date:	20030728
Creation Date:	7/26/2004 18:30:41
Receipt Date:	20030806
Manifest ID:	21804679
Trans EPA ID:	CAR000107656
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000005454
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	261 - Not reported
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.551
Waste Quantity:	500
Quantity Unit:	K
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAD982025165
Shipment Date:	20081223
Creation Date:	2/2/2009 18:30:18
Receipt Date:	20081223
Manifest ID:	002152769FLE
Trans EPA ID:	CAR000170076
Trans Name:	LUCAS LOGISTICS TRUCKING
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

LAUSD/ 49TH ST ELEM (Continued) **S113012753**

TSDF EPA ID:	CAT000646117
Trans Name:	CWM-KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	21.24
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081223
Creation Date:	2/2/2009 18:30:18
Receipt Date:	20081223
Manifest ID:	002152770FLE
Trans EPA ID:	CAR000185660
Trans Name:	ROMERO TRUCKING
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CWM-KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	21.24
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081223
Creation Date:	2/2/2009 18:30:18
Receipt Date:	20081223
Manifest ID:	002152767FLE
Trans EPA ID:	CAR000194076
Trans Name:	ENCORE HAULING
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CWM-KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As

LAUSD/ 49TH ST ELEM (Continued) **S113012753**

	Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	21.24
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081223
Creation Date:	2/2/2009 18:30:25
Receipt Date:	20081224
Manifest ID:	002152766FLE
Trans EPA ID:	CAD983670175
Trans Name:	MIKE & SON TRUCKING
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CWM-KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	21.24
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081223
Creation Date:	2/2/2009 18:30:18
Receipt Date:	20081223
Manifest ID:	002152742FLE
Trans EPA ID:	CAR000182816
Trans Name:	P VALDEZ TRUCKING
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CWM-KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	21.24
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

LAUSD/ 49TH ST ELEM (Continued) **S113012753**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081223
Creation Date:	2/2/2009 18:30:18
Receipt Date:	20081223
Manifest ID:	002152741FLE
Trans EPA ID:	CAR000043331
Trans Name:	MASHBURN TRANSPORTATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CWM-KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	21.24
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081223
Creation Date:	2/2/2009 18:30:18
Receipt Date:	20081223
Manifest ID:	002152740FLE
Trans EPA ID:	CAR000159343
Trans Name:	KNIGHT ENTERPRISES TRANSPORTATION
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CWM-KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	21.24
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081223
Creation Date:	2/2/2009 18:30:18
Receipt Date:	20081223
Manifest ID:	002152739FLE

LAUSD/ 49TH ST ELEM (Continued) **S113012753**

Trans EPA ID:	CAR000159343
Trans Name:	KNIGHT ENTERPRISES TRUCKING
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CWM-KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	21.24
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081223
Creation Date:	2/2/2009 18:30:18
Receipt Date:	20081223
Manifest ID:	002152738FLE
Trans EPA ID:	CAR000159343
Trans Name:	KNIGHT ENTERPRISES TRUCKING
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CWM-KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	21.24
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081223
Creation Date:	2/2/2009 18:30:18
Receipt Date:	20081223
Manifest ID:	002152737FLE
Trans EPA ID:	CAR000159343
Trans Name:	KNIGHT ENTERPRISES TRUCKING
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CWM-KETTLEMAN
TSDF Alt EPA ID:	Not reported

LAUSD/ 49TH ST ELEM (Continued) **S113012753**

TSDF Alt Name:	Not reported
Waste Code Description:	611 - Contaminated soil from site clean-ups
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	21.24
Waste Quantity:	18
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAD982025165
Shipment Date:	20050804
Creation Date:	10/28/2005 18:30:54
Receipt Date:	20050809
Manifest ID:	24458946
Trans EPA ID:	CAL000115612
Trans Name:	S&R SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	AZC950823111
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050713
Creation Date:	10/11/2005 18:31:29
Receipt Date:	20050715
Manifest ID:	24458973
Trans EPA ID:	CAL000115612
Trans Name:	S&R SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	AZC950823111
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported

LAUSD/ 49TH ST ELEM (Continued) **S113012753**

Quantity Tons:	10.1136
Waste Quantity:	12
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050712
Creation Date:	10/11/2005 18:31:29
Receipt Date:	20050714
Manifest ID:	24458972
Trans EPA ID:	CAL000115612
Trans Name:	S&R SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	AZC950823111
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	10.1136
Waste Quantity:	12
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050711
Creation Date:	10/11/2005 18:31:29
Receipt Date:	20050713
Manifest ID:	24458965
Trans EPA ID:	CAL000115612
Trans Name:	S&R SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	AZC950823111
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	10.1136
Waste Quantity:	12
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LAUSD/ 49TH ST ELEM (Continued) **S113012753**

Shipment Date:	20050708
Creation Date:	10/11/2005 18:31:29
Receipt Date:	20050714
Manifest ID:	24458966
Trans EPA ID:	CAL000115612
Trans Name:	S&R SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	AZC950823111
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	10.1136
Waste Quantity:	12
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050707
Creation Date:	10/27/2005 10:09:28
Receipt Date:	20050708
Manifest ID:	24458962
Trans EPA ID:	CAL000115612
Trans Name:	S&R SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	AZC950823111
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	12.642
Waste Quantity:	15
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050706
Creation Date:	10/27/2005 10:09:28
Receipt Date:	20050707
Manifest ID:	24458961
Trans EPA ID:	CAL000115612
Trans Name:	S & R SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111

LAUSD/ 49TH ST ELEM (Continued) **S113012753**

Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	AZC950823111
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	10.1136
Waste Quantity:	12
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAD982025165
Shipment Date:	20040413
Creation Date:	10/14/2004 7:35:58
Receipt Date:	20040419
Manifest ID:	21867516
Trans EPA ID:	CAL000115612
Trans Name:	S & R SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZC950823111
Trans Name:	LA PAZ COUNTY LANDFILL
TSDF Alt EPA ID:	AZC950823111
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAD982025165
Shipment Date:	20010905
Creation Date:	12/17/2001 0:00:00
Receipt Date:	20010913
Manifest ID:	21480539
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008364432

LAUSD/ 49TH ST ELEM (Continued) **S113012753**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010531
Creation Date:	8/14/2001 0:00:00
Receipt Date:	20010620
Manifest ID:	20977861
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010531
Creation Date:	8/14/2001 0:00:00
Receipt Date:	20010620
Manifest ID:	20977861
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	CAT000624247
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P

LAUSD/ 49TH ST ELEM (Continued) **S113012753**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010419
Creation Date:	7/10/2001 0:00:00
Receipt Date:	20010510
Manifest ID:	20139098
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010419
Creation Date:	7/10/2001 0:00:00
Receipt Date:	20010510
Manifest ID:	20139098
Trans EPA ID:	CAD982030173
Trans Name:	Not reported
Trans 2 EPA ID:	CAD063547996
Trans 2 Name:	Not reported
TSDF EPA ID:	WAD991281767
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAD982025165

LAUSD/ 49TH ST ELEM (Continued) **S113012753**

Shipment Date:	19980730
Creation Date:	9/22/1998 0:00:00
Receipt Date:	19980810
Manifest ID:	96015280
Trans EPA ID:	CAL000174121
Trans Name:	Not reported
Trans 2 EPA ID:	CAR000017657
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	9.2708
Waste Quantity:	11
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2009
Gen EPA ID:	CAD982025165

Shipment Date:	20091210
Creation Date:	4/12/2010 18:30:39
Receipt Date:	20091223
Manifest ID:	003709740JJK
Trans EPA ID:	CAD073609893
Trans Name:	KARCHER ENVIRONMENTAL INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD009007626
Trans Name:	AZUSA LAND RECLAMATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.4
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAD982025165

LAUSD/ 49TH ST ELEM (Continued) **S113012753**

Shipment Date:	20151205
Creation Date:	2/10/2016 22:15:31
Receipt Date:	20151211
Manifest ID:	007655720FLE
Trans EPA ID:	CAL000400337
Trans Name:	EAGLE CONTRACTING INC
Trans 2 EPA ID:	CAR000049064
Trans 2 Name:	ECTI
TSDF EPA ID:	CAD009007626
Trans Name:	AZUSA LAND RECLAMATION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	151 - Asbestos-containing waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.23
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LOS ANGELES HM:

Name:	LAUSD - 49TH STREET SCHOOL
Address:	750 E 49TH ST
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	FA0011423
Last Run Date:	04/19/2021
Status:	INACTIVE

HWTS:

Name:	LAUSD/ 49TH ST ELEM
Address:	750 E 49TH ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900110000
EPA ID:	CAD982025165
Inactive Date:	Not reported
Create Date:	06/17/1988
Last Act Date:	08/27/2020
Mailing Name:	Not reported
Mailing Address:	333 S BEAUDRY AVE FL 21
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900170000
Owner Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Owner Address:	333 S BEAUDRY AVE FL 21
Owner Address 2:	LAUSD OEHS
Owner City,State,Zip:	LOS ANGELES, CA 900170000
Contact Name:	SAMANTHA HAN
Contact Address:	333 S. BEAUDRY AVE, 21ST FLOOR
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90017

NAICS:

EPA ID:	CAD982025165

LAUSD/ 49TH ST ELEM (Continued) **S113012753**

Create Date:	2002-03-14 16:36:26.000
NAICS Code:	61111
NAICS Description:	Elementary and Secondary Schools
Issued EPA ID Date:	1988-06-17 00:00:00
Inactive Date:	Not reported
Facility Name:	LAUSD/ 49TH ST ELEM
Facility Address:	750 E 49TH ST
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	900110000

A3 **LAUSD 49TH ST ELEM SCHOOL** **RCRA-SQG 1000378435**
Target **750 E 49TH ST** **FINDS CAD982025165**
Property **LOS ANGELES, CA 90011**

Site 3 of 3 in cluster A

Actual: **181 ft.**

RCRA-SQG:

Date Form Received by Agency:	19870820
Handler Name:	LAUSD 49TH ST ELEM SCHOOL
Handler Address:	750 E 49TH ST
Handler City,State,Zip:	LOS ANGELES, CA 90011
EPA ID:	CAD982025165
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	750 E FORTY NINETH ST
Contact City,State,Zip:	LOS ANGELES, CA 90011
Contact Telephone:	213-742-7371
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Other
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	4R
Mailing Address:	1425 S SAN PEDRO ST RM 215
Mailing City,State,Zip:	LOS ANGELES, CA 90015
Owner Name:	LAUSD
Owner Type:	Municipal
Operator Name:	NOT REQUIRED
Operator Type:	Municipal
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No

LAUSD 49TH ST ELEM SCHOOL (Continued) **1000378435**

Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	LAUSD
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported

LAUSD 49TH ST ELEM SCHOOL (Continued) **1000378435**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Municipal
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19870820
Handler Name:	LAUSD 49TH ST ELEM SCHOOL
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

FINDS:

Registry ID: 110002780768

Click Here:

Environmental Interest/Information System:

California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LAUSD 49TH ST ELEM SCHOOL (Continued) **1000378435**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

4
WNW
< 1/8
0.003 mi.
18 ft.

FORMER RESIDENCE TO BECOME VACANT LOT
670 E 49TH ST
LOS ANGELES, CA 90011

RCRA-LQG **1014950498**
CAR000224352

Relative:
Lower

Actual:
180 ft.

RCRA-LQG:

Date Form Received by Agency:	20120328
Handler Name:	FORMER RESIDENCE TO BECOME VACANT LOT
Handler Address:	670 E 49TH ST
Handler City,State,Zip:	LOS ANGELES, CA 90011
EPA ID:	CAR000224352
Contact Name:	JOEL LAUNCHBAUGH
Contact Address:	315 W 9TH ST
Contact City,State,Zip:	LOS ANGELES, CA 90015
Contact Telephone:	213-270-1729
Contact Fax:	213-270-1739
Contact Email:	JLAUNCHBAUGH@RESTORENEIGHBORHOODSLA.ORG
Contact Title:	SR CONSTRUCTION MGR
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	315 W 9TH ST
Mailing City,State,Zip:	LOS ANGELES, CA 90062
Owner Name:	RESTORE NEIGHBORHOODS LA INC
Owner Type:	Private
Operator Name:	RESTORE NEIGHBORHOODS LA INC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No

FORMER RESIDENCE TO BECOME VACANT LOT (Continued) **1014950498**

Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20120409
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	RESTORE NEIGHBORHOODS LA INC
Legal Status:	Private
Date Became Current:	20100122
Date Ended Current:	Not reported
Owner/Operator Address:	315 W 9TH ST
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90015
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	RESTORE NEIGHBORHOODS LA INC
Legal Status:	Private

FORMER RESIDENCE TO BECOME VACANT LOT (Continued) **1014950498**

Date Became Current:	20100122
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20120328
Handler Name:	FORMER RESIDENCE TO BECOME VACANT LOT
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	53139
NAICS Description:	OTHER ACTIVITIES RELATED TO REAL ESTATE

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

5
ENE
< 1/8
0.021 mi.
113 ft.

FORMER RESIDENCE TO BECOME VACANT LOT **RCRA-LQG** **1014950501**
4916 S MCKINLEY AVE **CAR000224386**
LOS ANGELES, CA 90011

Relative:
Higher

Actual:
183 ft.

RCRA-LQG:

Date Form Received by Agency:	20120328
Handler Name:	FORMER RESIDENCE TO BECOME VACANT LOT
Handler Address:	4916 S MCKINLEY AVE
Handler City,State,Zip:	LOS ANGELES, CA 90011
EPA ID:	CAR000224386
Contact Name:	JOEL LAUNCHBAUGH
Contact Address:	315 W 9TH ST
Contact City,State,Zip:	LOS ANGELES, CA 90015
Contact Telephone:	213-270-1729
Contact Fax:	213-270-1739
Contact Email:	JLAUNCHBAUGH@RESTORENEIGHBORHOODSLA.ORG
Contact Title:	SR CONSTRUCTION MGR
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator

FORMER RESIDENCE TO BECOME VACANT LOT (Continued) **1014950501**

Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	315 W 9TH ST
Mailing City,State,Zip:	LOS ANGELES, CA 90062
Owner Name:	RESTORE NEIGHBORHOOD LA INC
Owner Type:	Private
Operator Name:	JOEL LAUNCHBAUGH
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No

FORMER RESIDENCE TO BECOME VACANT LOT (Continued) **1014950501**

Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20120409
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	RESTORE NEIGHBORHOOD LA INC
Legal Status:	Private
Date Became Current:	20091218
Date Ended Current:	Not reported
Owner/Operator Address:	315 W 9TH ST
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90015
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	JOEL LAUNCHBAUGH
Legal Status:	Private
Date Became Current:	20091215
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20120328
Handler Name:	FORMER RESIDENCE TO BECOME VACANT LOT
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

FORMER RESIDENCE TO BECOME VACANT LOT (Continued) **1014950501**

List of NAICS Codes and Descriptions:
NAICS Code: 53139
NAICS Description: OTHER ACTIVITIES RELATED TO REAL ESTATE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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6 **ESTELLA VILLASENOR** **RCRA NonGen / NLR** **1026040658**
ESE **886 1/2 E 50TH ST** **CAC003046763**
< 1/8 **LOS ANGELES, CA 90011**
0.053 mi.
278 ft.

Relative:
Higher

Actual:
182 ft.

RCRA NonGen / NLR:

Date Form Received by Agency:		20191211
Handler Name:	ESTELLA VILLASENOR	
Handler Address:		886 1/2 E 50TH ST
Handler City,State,Zip:		LOS ANGELES, CA 90011-4162
EPA ID:		CAC003046763
Contact Name:		ESTELLA VILLASENOR
Contact Address:		3926 CUDAHY ST
Contact City,State,Zip:		HUNTINGTON PARK, CA 90255-6852
Contact Telephone:		661-606-8949
Contact Fax:		Not reported
Contact Email:		TAMMYHURLEY@ALLIANCE-ENVIRO.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		3926 CUDAHY ST
Mailing City,State,Zip:		HUNTINGTON PARK, CA 90255-6852
Owner Name:		ESTELLA VILLASENOR
Owner Type:		Other
Operator Name:		ESTELLA VILLASENOR
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No

ESTELLA VILLASENOR (Continued) **1026040658**

Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20200210
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	ESTELLA VILLASENOR
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	3926 CUDAHY ST
Owner/Operator City,State,Zip:	HUNTINGTON PARK, CA 90255-6852
Owner/Operator Telephone:	661-606-8949
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported

ESTELLA VILLASENOR (Continued) **1026040658**

Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ESTELLA VILLASENOR
Legal Status: Other
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 3926 CUDAHY ST
Owner/Operator City,State,Zip: HUNTINGTON PARK, CA 90255-6852
Owner/Operator Telephone: 661-606-8949
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20191211
Handler Name: ESTELLA VILLASENOR
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 56299
NAICS Description: ALL OTHER WASTE MANAGEMENT SERVICES

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

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7 **VERIZON WIRELESS: WALL STREET** **HAZMAT** **S123535162**
SSE **775 E. 51ST STREET** **CERS** **N/A**
< 1/8 **LOS ANGELES, CA 90011**
0.062 mi.
326 ft.

Relative:
Lower

Actual:
180 ft.

LOS ANGELES HM:
Name: VERIZON WIRELESS: WALL STREET
Address: 775 E 51ST ST
City,State,Zip: LOS ANGELES, CA 90011
Facility ID: FA0040847
Last Run Date: 04/19/2021
Status: ACTIVE

CERS:
Name: VERIZON WIRELESS: WALL STREET

VERIZON WIRELESS: WALL STREET (Continued) **S123535162**

Address: 775 E. 51ST STREET
City,State,Zip: LOS ANGELES, CA 90011
Site ID: 83091
CERS ID: 10165347
CERS Description: Chemical Storage Facilities

Affiliation:
Affiliation Type Desc: Identification Signer
Entity Name: Myrna Allende
Entity Title: Regulatory Specialist
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
Entity Name: Verizon Wireless [Southern California]
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer
Entity Name: Myrna Allende
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: 15505 Sand Canyon Avenue, MS D-104
Affiliation City: Irvine
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92618
Affiliation Phone: Not reported

Affiliation Type Desc: CUPA District
Entity Name: Los Angeles City Fire Department
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Room 1780
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90012
Affiliation Phone: (213) 978-3680

Affiliation Type Desc: Environmental Contact

VERIZON WIRELESS: WALL STREET (Continued) **S123535162**

Entity Name:	Environmental Compliance
Entity Title:	Not reported
Affiliation Address:	15505 Sand Canyon Avenue, MS D-104
Affiliation City:	Irvine
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	92618
Affiliation Phone:	Not reported
Affiliation Type Desc:	Legal Owner
Entity Name:	Verizon Wireless
Entity Title:	Not reported
Affiliation Address:	15505 Sand Canyon Avenue, MS D-104
Affiliation City:	Irvine
Affiliation State:	CA
Affiliation Country:	United States
Affiliation Zip:	92618
Affiliation Phone:	(949) 286-7000
Affiliation Type Desc:	Operator
Entity Name:	Verizon Wireless
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	(949) 286-7000

B8 **HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 6** **ENVIROSTOR** **S105840725**
NW **48TH STREET/AVALON AVENUE/49TH STREET** **SCH** **N/A**
< 1/8 **LOS ANGELES, CA 90011**
0.091 mi.
479 ft. **Site 1 of 2 in cluster B**

Relative: Higher
Actual: 181 ft.

ENVIROSTOR:

Name:	HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 6
Address:	48TH STREET/AVALON AVENUE/49TH STREET
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	19760022
Status:	Inactive - Withdrawn
Status Date:	03/20/2000
Site Code:	304160
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	2.16
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Juan Koponen
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	59
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED

HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 6 (Continued) **S105840725**

Funding: School District
Latitude: 33.99974
Longitude: -118.2642
APN: NONE SPECIFIED
Past Use: * MISCELLANEOUS REPAIR SERVICES
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: HOOPER/MIRAMONTE PRIMARY SCHOOL #6
Alias Type: Alternate Name
Alias Name: LAUSD-HOOPER/MIRAMONTE PRIMARY #6/CDE
Alias Type: Alternate Name
Alias Name: LAUSD-HOOPER/MIRAMONTE PRIMARY #6/VCA
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 304077
Alias Type: Project Code (Site Code)
Alias Name: 304160
Alias Type: Project Code (Site Code)
Alias Name: 19760022
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/11/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/20/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 6
Address: 48TH STREET/AVALON AVENUE/49TH STREET
City,State,Zip: LOS ANGELES, CA 90011

HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 6 (Continued) **S105840725**

Facility ID:	19760022
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	2.16
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Juan Koponen
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304160
Assembly:	59
Senate:	30
Special Program Status:	Not reported
Status:	Inactive - Withdrawn
Status Date:	03/20/2000
Restricted Use:	NO
Funding:	School District
Latitude:	33.99974
Longitude:	-118.2642
APN:	NONE SPECIFIED
Past Use:	* MISCELLANEOUS REPAIR SERVICES
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	HOOPER/MIRAMONTE PRIMARY SCHOOL #6
Alias Type:	Alternate Name
Alias Name:	LAUSD-HOOPER/MIRAMONTE PRIMARY #6/CDE
Alias Type:	Alternate Name
Alias Name:	LAUSD-HOOPER/MIRAMONTE PRIMARY #6/VCA
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	304077
Alias Type:	Project Code (Site Code)
Alias Name:	304160
Alias Type:	Project Code (Site Code)
Alias Name:	19760022
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	02/11/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo

HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 6 (Continued) **S105840725**

Completed Date: 03/20/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

C9 **FRAISSE W P** **EDR Hist Cleaner** **1009190787**
WSW **5006 S AVALON BLVD** **N/A**
< 1/8 **LOS ANGELES, CA**
0.092 mi.
487 ft. **Site 1 of 7 in cluster C**

Relative: EDR Hist Cleaner
Lower

Actual: Year: Name: Type:
176 ft. 1933 FRAISSE W P CLOTHES PRESSERS AND CLEANERS
1937 FRAISSE W P CLOTHES PRESSERS AND CLEANERS

C10 **HAM WOODROW** **EDR Hist Auto** **1021309452**
WSW **5008 S AVALON** **N/A**
< 1/8 **LOS ANGELES, CA 90011**
0.097 mi.
510 ft. **Site 2 of 7 in cluster C**

Relative: EDR Hist Auto
Lower

Actual: Year: Name: Type:
176 ft. 1971 HAM WOODROW Gasoline Service Stations
1972 HAM WOODROW Gasoline Service Stations
1973 HAM WOODROW Gasoline Service Stations
1974 HAM WOODROW Gasoline Service Stations
1975 HAM WOODROW Gasoline Service Stations

C11 **DEVEREAUX LLOYD** **EDR Hist Auto** **1020196743**
WSW **5026 S AVALON** **N/A**
< 1/8 **LOS ANGELES, CA 90011**
0.098 mi.
516 ft. **Site 3 of 7 in cluster C**

Relative: EDR Hist Auto
Lower

Actual: Year: Name: Type:
176 ft. 1969 DEVEREAUX LLOYD Gasoline Service Stations
1970 DEVEREAUX LLOYD Gasoline Service Stations

C12 **UST** **U004302993**
WSW **5026 S AVALON BLVD** **N/A**
< 1/8 **LOS ANGELES, CA**
0.098 mi.
516 ft. **Site 4 of 7 in cluster C**

Relative: LOS ANGELES UST:
Lower
Actual: Name: Not reported
176 ft. Address: 5026 S AVALON BLVD
City,State,Zip: LOS ANGELES, CA
Facility ID: Not reported
Last Run Date: 01/01/1900
Status: HISTORICAL

C13 **ALLI'S RECYCLING** **SWRCY** **S118822764**
WSW **5026 AVALON BLVD** **N/A**
< 1/8 **LOS ANGELES, CA 90011**
0.098 mi.
516 ft. **Site 5 of 7 in cluster C**

Relative: SWRCY:
Lower
Actual: Name: ALLI'S RECYCLING
176 ft. Address: 5026 AVALON BLVD
City,State,Zip: LOS ANGELES, CA 90011
Reg Id: Not reported
Cert Id: RC277658.001
Mailing Address: 8628 6th St
Mailing City: Downey
Mailing State: CA
Mailing Zip Code: 90241
Website: Not reported
Email: Not reported
Phone Number: (323) 377-1087
Rural: N
Operation Begin Date: 12/17/2018
Aluminium: Not reported
Glass: Not reported
Plastic: Not reported
Bimetal: Not reported
Hours of Operation: Mon - Sat 8:00 am - 6:00 pm; Sun 8:00 am - 4:00 pm
Organization ID: Not reported
Organization Name: Olympic Recycling Inc

C14 **UST** **U004302986**
WSW **5014 S AVALON BLVD** **N/A**
< 1/8 **LOS ANGELES, CA**
0.098 mi.
520 ft. **Site 6 of 7 in cluster C**

Relative: LOS ANGELES UST:
Lower
Actual: Name: Not reported
176 ft. Address: 5014 S AVALON BLVD
City,State,Zip: LOS ANGELES, CA
Facility ID: Not reported
Last Run Date: 01/01/1900
Status: HISTORICAL

C15 **WILLIE BESS MORGAN** **SWEEPS UST** **S101586925**
WSW **5102 AVALON BLVD** **CA FID UST** **N/A**
< 1/8 **LOS ANGELES, CA 90011**
0.123 mi.
650 ft. **Site 7 of 7 in cluster C**

Relative: **Lower**

Actual: **175 ft.**

SWEEPS UST:

Name:	WILLIE BESS MORGAN
Address:	5102 AVALON BLVD
City:	LOS ANGELES
Status:	Not reported
Comp Number:	7436
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	0

CA FID UST:

Facility ID:	19054611
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2130000000
Mail To:	Not reported
Mailing Address:	5102 AVALON AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900110000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

B16 **ZAPOPAN CARBURETORS** **CERS HAZ WASTE** **S123537234**
NW **4714 S AVALON BLVD** **N/A**
1/8-1/4 **LOS ANGELES, CA 90011**
0.141 mi.
744 ft. **Site 2 of 2 in cluster B**

Relative: **Higher**

Actual: **181 ft.**

CERS HAZ WASTE:

Name:	ZAPOPAN CARBURETORS
Address:	4714 S AVALON BLVD
City,State,Zip:	LOS ANGELES, CA 90011
Site ID:	172821
CERS ID:	10247827
CERS Description:	Hazardous Waste Generator

ZAPOPAN CARBURETORS (Continued) **S123537234**

Violations:

Site ID:	172821
Site Name:	ZAPOPAN CARBURETORS
Violation Date:	09-04-2015
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 09/04/2015. OBSERVATION: Hazardous Waste (HW) storage area: 1-275gallon tote storing used oil, no HW marking/labeling All hazardous waste containers shall be marked with the following information: 1) the words G Hazardous WasteG ; 2) name and address of generator; 3) hazardous properties; 4) physical state; 5) composition (contents); 6) accumulation start date. CORRECTIVE ACTION: Immediately label these containers and ensure that all hazardous waste containers are marked with all the required information. HW label affixed during the inspection, accumulation start date 8/13/15
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	172821
Site Name:	ZAPOPAN CARBURETORS
Violation Date:	09-04-2015
Citation:	22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130
Violation Description:	Failure to properly handle, manage, label, and recycle used oil and fuel filters.
Violation Notes:	Returned to compliance on 09/04/2015. OBSERVATION: Generator failed to properly handle, manage, label, and/or recycle used oil and fuel filters. Hazardous Waste (HW) storage area 1-55gallon metal drum storing drain used oil filters with no "drained used oil filter" label. CORRECTIVE ACTION: Owner/Operator shall immediately comply with the Title 22 regulations with regards to the proper handling, management, labeling and recycling of used oil and fuel filters. Verify compliance with the PA by 10/3/15. Drained Used Oil Filter label affixed during the inspection, accumulation start date 8/13/15
Violation Division:	Los Angeles County Fire Department
Violation Program:	HW
Violation Source:	CERS

Site ID:	172821
Site Name:	ZAPOPAN CARBURETORS
Violation Date:	09-04-2015
Citation:	22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12
Violation Description:	Failure to obtain and/or maintain an Active EPA ID.
Violation Notes:	Returned to compliance on 09/14/2015. OBSERVATION: This facility does not have a valid EPA ID number to manage hazardous waste. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without an EPA ID number. Corrective ACTION: Immediately obtain an EPA ID number through DTSC to manage hazardous waste and submit evidence to the PA by 10/03/15. DTSC 1358 form was completed and sent to idnumber@dtsc.ca.gov

ZAPOPAN CARBURETORS (Continued) **S123537234**

Violation Division: Los Angeles County Fire Department
Violation Program: HW
Violation Source: CERS

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-04-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Gregorio Lopez Jr., Manager
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Other/Unknown
Eval Date: 09-15-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: EPA ID# CAL000410087 assigned to Zapopan Carburetor INC on 09/14/15. HW violation abated.
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 09-20-2018
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: An inspection consent was granted by Trinidad Campois(Manager)
Eval Division: Los Angeles County Fire Department
Eval Program: HW
Eval Source: CERS

Affiliation:
Affiliation Type Desc: CUPA District
Entity Name: Los Angeles City Fire Department
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Room 1780
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 90012
Affiliation Phone: (213) 978-3680

Affiliation Type Desc: Parent Corporation
Entity Name: ZAPOPAN CARBURETORS
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address

ZAPOPAN CARBURETORS (Continued) **S123537234**

Entity Title:	Not reported
Affiliation Address:	4714 S AVALON BLVD
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90011
Affiliation Phone:	Not reported

17
WSW
1/8-1/4
0.148 mi.
783 ft.

5101 S AVALON BLVD **UST** **U004303026**
LOS ANGELES, CA **N/A**

Relative:
Lower

Actual:
174 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	5101 S AVALON BLVD
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

D18
NW
1/8-1/4
0.156 mi.
822 ft.

CONNER & JOHNSON MORTUARY **UST** **U004305804**
4700 S AVALON BLVD **N/A**
LOS ANGELES, CA 90011

Site 1 of 4 in cluster D

Relative:
Higher

Actual:
181 ft.

LOS ANGELES UST:

Name:	CONNER & JOHNSON MORTUARY
Address:	4700 S AVALON BLVD
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	FA0004454
Last Run Date:	04/19/2021
Status:	INACTIVE

D19
NW
1/8-1/4
0.156 mi.
822 ft.

CONNER & JOHNSON MORTUARY **HAZMAT** **S123542653**
4700 S AVALON BLVD **N/A**
LOS ANGELES, CA 90011

Site 2 of 4 in cluster D

Relative:
Higher

Actual:
181 ft.

LOS ANGELES HM:

Name:	CONNER & JOHNSON MORTUARY
Address:	4700 S AVALON BLVD
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	FA0004454
Last Run Date:	04/19/2021
Status:	INACTIVE

D20 **ZAPOPAN CARBURETORS** **HAZMAT** **S123549850**
NW **4715 S AVALON BLVD** **N/A**
1/8-1/4 **LOS ANGELES, CA 90011**
0.159 mi.
837 ft. **Site 3 of 4 in cluster D**

Relative:
Lower

Actual:
180 ft.

LOS ANGELES HM:

Name:	ZAPOPAN CARBURETORS
Address:	4715 S AVALON BLVD
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	FA0027742
Last Run Date:	04/19/2021
Status:	INACTIVE

E21 **WEBER SHOWCASE AND FIXTURE CO.** **ENVIROSTOR** **S107737591**
West **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.181 mi.
954 ft. **Site 1 of 2 in cluster E**

Relative:
Lower

Actual:
175 ft.

ENVIROSTOR:

Name:	WEBER SHOWCASE AND FIXTURE CO.
Address:	Not reported
City,State,Zip:	LOS ANGELES, CA
Facility ID:	80001154
Status:	Inactive - Needs Evaluation
Status Date:	07/01/2005
Site Code:	Not reported
Site Type:	Military Evaluation
Site Type Detailed:	FUDS
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	59
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.99777
Longitude:	-118.2666
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CA99799FA48400
Alias Type:	Federal Facility ID
Alias Name:	J09CA7458
Alias Type:	INPR
Alias Name:	80001154
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

WEBER SHOWCASE AND FIXTURE CO. (Continued) **S107737591**

Completed Document Type:	Inventory Project Report (INPR)
Completed Date:	05/11/1999
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

E22 **WEBER SHOWCASE AND FIXTURE CO.** **FUDS** **1024904105**
West **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.185 mi.
975 ft. **Site 2 of 2 in cluster E**

Relative: FUDS:
Lower

Actual: EPA Region:	9
175 ft. Installation ID:	CA99799FA48400
Congressional District Number:	40
Name:	WEBER SHOWCASE AND FIXTURE CO.
FUDS Number:	J09CA7458
City:	LOS ANGELES
State:	CA
County:	LOS ANGELES
Object ID:	8333
USACE Division:	SPD
USACE District:	Los Angeles District (SPL)
Status:	Properties without projects
Current Owner:	Not reported
EMS Map Link:	https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=63194
Eligibility:	Ineligible
Has Projects:	No
NPL Status:	Not on the NPL
Property History:	N/A
Project Required:	No
Feature Description:	Not reported
Latitude:	33.99777778
Longitude:	-118.26666667000001

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23 **DUNBAR ECONOMIC DEV** **RCRA-SQG** **1004678324**
South **762 E 52ND PL** **FINDS** **CAR000107540**
1/8-1/4 **LOS ANGELES, CA 90011** **ECHO**
0.195 mi. **HAZNET**
1030 ft. **HWTS**

Relative: RCRA-SQG:
Lower

Actual: Date Form Received by Agency:		20011011
177 ft. Handler Name:	DUNBAR ECONOMIC DEV	
Handler Address:		762 E 52ND PL
Handler City,State,Zip:		LOS ANGELES, CA 90011

DUNBAR ECONOMIC DEV (Continued) **1004678324**

EPA ID:	CAR000107540
Contact Name:	KAREN HAMILTON
Contact Address:	4225 S CENTRAL AVE
Contact City,State,Zip:	LOS ANGELES, CA 90011
Contact Telephone:	323-234-4657
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	4225 S CENTRAL AVE
Mailing City,State,Zip:	LOS ANGELES, CA 90011
Owner Name:	DUNBAR ECON DEV
Owner Type:	Other
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No

DUNBAR ECONOMIC DEV (Continued) **1004678324**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20021007
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D008
Waste Description:	LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	DUNBAR ECON DEV
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	4225 S CENTRAL AVE NO 102
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90011
Owner/Operator Telephone:	323-234-7882
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20011011
Handler Name: DUNBAR ECONOMIC DEV	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

DUNBAR ECONOMIC DEV (Continued) **1004678324**

NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

FINDS:
Registry ID: 110012195739

Click Here:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004678324
Registry ID:	110012195739
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110012195739
Name:	DUNBAR ECONOMIC DEV
Address:	762 E 52ND PL
City,State,Zip:	LOS ANGELES, CA 90011

HAZNET:

Name:	DUNBAR ECONOMIC DEV
Address:	762 E 52ND PL
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90011
Contact:	KAREN HAMILTON PRESIDENT & CEO
Telephone:	3232344657
Mailing Name:	Not reported
Mailing Address:	4225 S Central Ave
Year:	2001
Gepaid:	CAR000107540
TSD EPA ID:	CAD028409019
CA Waste Code:	352 - Other organic solids
Disposal Method:	H01 - Transfer Station
Tons:	0.675

DUNBAR ECONOMIC DEV (Continued) **1004678324**

Additional Info:

Year:	2001
Gen EPA ID:	CAR000107540
Shipment Date:	20011018
Creation Date:	1/16/2002 0:00:00
Receipt Date:	20011022
Manifest ID:	20709479
Trans EPA ID:	CAR000093625
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D008
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.675
Waste Quantity:	1350
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	DUNBAR ECONOMIC DEV
Address:	762 E 52ND PL
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90011
EPA ID:	CAR000107540
Inactive Date:	06/30/2008
Create Date:	03/04/2003
Last Act Date:	04/23/2009
Mailing Name:	Not reported
Mailing Address:	4225 S Central Ave
Mailing Address 2:	No 102
Mailing City,State,Zip:	Los Angeles, CA 900110000
Owner Name:	Dunbar Econ Dev
Owner Address:	4225 S Central Ave No 102
Owner Address 2:	Not reported
Owner City,State,Zip:	Los Angeles, CA 900110000
Contact Name:	KAREN HAMILTON PRESIDENT & CEO
Contact Address:	4225 S Central Ave
Contact Address 2:	No 102
City,State,Zip:	Los Angeles, CA 900110000

NAICS:

EPA ID:	CAR000107540
Create Date:	2008-03-20 15:51:28.017
NAICS Code:	53111
NAICS Description:	Lessors of Residential Buildings and Dwellings
Issued EPA ID Date:	2003-03-04 14:25:35.18700
Inactive Date:	2008-06-30 00:00:00

DUNBAR ECONOMIC DEV (Continued) **1004678324**

Facility Name:	Dunbar Economic Dev
Facility Address:	762 E 52nd Pl
Facility Address 2:	Not reported
Facility City:	Los Angeles
Facility County:	Not reported
Facility State:	CA
Facility Zip:	90011

D24 **UST** **U004302825**
NW **4625 S AVALON BLVD** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.196 mi.
1037 ft. **Site 4 of 4 in cluster D**

Relative: **Higher**
Actual: **181 ft.**

LOS ANGELES UST:

Name:	Not reported
Address:	4625 S AVALON BLVD
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

---

25 **ROUNDTREE PROPERTY** **SEMS-ARCHIVE** **1001491870**
SW **5201 AVALON BOULEVARD** **ENVIROSTOR** **CASFN0905527**
1/8-1/4 **LOS ANGELES, CA 90011**
0.207 mi.
1095 ft.

Relative: **Lower**
Actual: **172 ft.**

SEMS Archive:

Site ID:	0905527
EPA ID:	CASFN0905527
Name:	ROUNDTREE PROPERTY
Address:	5201 AVALON BOULEVARD
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90011
Cong District:	Not reported
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0905527
EPA ID:	CASFN0905527
Site Name:	ROUNDTREE PROPERTY
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2013-11-08 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

ROUNDTREE PROPERTY (Continued) **1001491870**

Region:	09
Site ID:	0905527
EPA ID:	CASFN0905527
Site Name:	ROUNDTREE PROPERTY
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	2
Start Date:	Not reported
Finish Date:	2007-06-07 04:00:00
Qual:	N
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0905527
EPA ID:	CASFN0905527
Site Name:	ROUNDTREE PROPERTY
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1998-08-12 04:00:00
Finish Date:	1998-08-12 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0905527
EPA ID:	CASFN0905527
Site Name:	ROUNDTREE PROPERTY
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	2002-07-01 04:00:00
Finish Date:	2003-06-27 04:00:00
Qual:	L
Current Action Lead:	St Perf

ENVIROSTOR:

Name:	LOT
Address:	5201 AVALON BLVD
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	60001711
Status:	Refer: EPA
Status Date:	05/13/1999
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1

ROUNDTREE PROPERTY (Continued) **1001491870**

NPL: NO
Regulatory Agencies: US EPA
Lead Agency: US EPA
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 59
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.99513
Longitude: -118.2656
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 60001711
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/13/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Name: ROUNDTREE PROPERTY
Address: 5201 AVALON BOULEVARD
City,State,Zip: LOS ANGELES, CA 90011
Facility ID: 19550027
Status: Inactive - Action Required
Status Date: 06/30/2003
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0.2
NPL: NO
Regulatory Agencies: US EPA
Lead Agency: US EPA
Program Manager: Not reported
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Assembly: 59
Senate: 30
Special Program: Not reported

ROUNDTREE PROPERTY (Continued) **1001491870**

Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.99513
Longitude: -118.2656
APN: 5109026029
Past Use: MACHINE SHOP
Potential COC: * WASTE OIL & MIXED OIL Lead
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: B & H COMPLETED AUTO
Alias Type: Alternate Name
Alias Name: LAS TORRES AUTO SALES
Alias Type: Alternate Name
Alias Name: STEVENS GRAVEN AUTO SALES
Alias Type: Alternate Name
Alias Name: 5109026029
Alias Type: APN
Alias Name: CASFN0905527
Alias Type: CERCLIS ID
Alias Name: 110009349829
Alias Type: EPA (FRS #)
Alias Name: 19550027
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/30/2003
Comments: Completed Preliminary Assessment of Roundtree Property for Federal EPA.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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26 **UST** **U004302965**
East **5001 S CENTRAL AVE** **N/A**
1/8-1/4 **LOS ANGELES, CA**
0.236 mi.
1247 ft.

Relative: LOS ANGELES UST:
Higher
Name: Not reported
Actual: Address: 5001 S CENTRAL AVE
184 ft. City,State,Zip: LOS ANGELES, CA
Facility ID: Not reported
Last Run Date: 01/01/1900
Status: HISTORICAL

27
ENE
1/8-1/4
0.247 mi.
1305 ft.

4903 S CENTRAL AVE
LOS ANGELES, CA

UST **U004302925**
N/A

Relative:
Higher

Actual:
186 ft.

LOS ANGELES UST:

Name:	Not reported
Address:	4903 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA
Facility ID:	Not reported
Last Run Date:	01/01/1900
Status:	HISTORICAL

28
East
1/8-1/4
0.247 mi.
1305 ft.

SAN MIGUEL MINI AUTO ELECTRIC PARTS
4953 SOUTH CENTRAL AVE
LOS ANGELES, CA 90011

CERS HAZ WASTE **S113113109**
HAZNET **N/A**
HWTS

Relative:
Higher

Actual:
185 ft.

CERS HAZ WASTE:

Name:	CLEMENTE'S AUTO ELECTRIC
Address:	4953 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA 90011
Site ID:	20423
CERS ID:	10258183
CERS Description:	Hazardous Waste Generator

Evaluation:

Eval General Type:	Compliance Evaluation Inspection
Eval Date:	11-18-2014
Violations Found:	No
Eval Type:	Routine done by local agency
Eval Notes:	Business moved out about 2 years ago. See License Investigation.
Eval Division:	Los Angeles County Fire Department
Eval Program:	HW
Eval Source:	CERS

Coordinates:

Site ID:	20423
Facility Name:	CLEMENTE'S AUTO ELECTRIC
Env Int Type Code:	HWG
Program ID:	10258183
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.998300
Longitude:	-118.256530

Affiliation:

Affiliation Type Desc:	Facility Mailing Address
Entity Name:	Mailing Address
Entity Title:	Not reported
Affiliation Address:	4953 CENTRAL AV
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90011
Affiliation Phone:	Not reported

SAN MIGUEL MINI AUTO ELECTRIC PARTS (Continued) **S113113109**

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles City Fire Department
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Room 1780
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	(213) 978-3680

Affiliation Type Desc:	Parent Corporation
Entity Name:	CLEMENTE'S AUTO ELECTRIC
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

HAZNET:

Name:	SAN MIGUEL MINI AUTO ELECTRIC PARTS
Address:	4953 SOUTH CENTRAL AVE
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900110000
Contact:	VALENTIN HERNANDEZ/OWNER
Telephone:	3232344765
Mailing Name:	Not reported
Mailing Address:	5336 S BROADWAY
Year:	2014
Gepaid:	CAL000224137
TSD EPA ID:	CAD099452708
CA Waste Code:	133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.1668
Year:	2013
Gepaid:	CAL000224137
TSD EPA ID:	CAD099452708
CA Waste Code:	133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.28356
Year:	2012
Gepaid:	CAL000224137
TSD EPA ID:	CAD099452708
CA Waste Code:	133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.19182
Year:	2011
Gepaid:	CAL000224137

SAN MIGUEL MINI AUTO ELECTRIC PARTS (Continued) **S113113109**

TSD EPA ID: CAD099452708
CA Waste Code: 133 - Aqueous solution with total organic residues 10 percent or more
Disposal Method: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons: 0.14595

Additional Info:
Year: 2011
Gen EPA ID: CAL000224137

Shipment Date: 20111219
Creation Date: 3/16/2012 20:30:17
Receipt Date: 20111220
Manifest ID: 001512444GBF
Trans EPA ID: ILR000130062
Trans Name: HERITAGE-CRYSTAL CLEAN LLC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD099452708
Trans Name: INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 133 - Aqueous solution with 10% or more total organic residues
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 0.07089
Waste Quantity: 17
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20110913
Creation Date: 11/30/2011 18:30:36
Receipt Date: 20110913
Manifest ID: 001485342GBF
Trans EPA ID: ILR000130062
Trans Name: HERITAGE-CRYSTAL CLEAN LLC
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD099452708
Trans Name: INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 133 - Aqueous solution with 10% or more total organic residues
RCRA Code: Not reported
Meth Code: H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons: 0.0417
Waste Quantity: 10
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported

SAN MIGUEL MINI AUTO ELECTRIC PARTS (Continued) **S113113109**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20110623
Creation Date:	8/26/2011 18:30:36
Receipt Date:	20110627
Manifest ID:	001245210GBF
Trans EPA ID:	ILR000130062
Trans Name:	HERITAGE-CRYSTAL CLEAN LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.03336
Waste Quantity:	8
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAL000224137
Shipment Date:	20140805
Creation Date:	11/3/2014 22:14:40
Receipt Date:	20140806
Manifest ID:	002466226GBF
Trans EPA ID:	ILR000130062
Trans Name:	HERITAGE-CRYSTAL CLEAN LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0834
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

SAN MIGUEL MINI AUTO ELECTRIC PARTS (Continued) **S113113109**

Shipment Date:	20140325
Creation Date:	5/20/2014 22:14:59
Receipt Date:	20140327
Manifest ID:	002438352GBF
Trans EPA ID:	ILR000130062
Trans Name:	HERITAGE-CRYSTAL CLEAN LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0834
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAL000224137
Shipment Date:	20120827
Creation Date:	10/29/2012 22:15:06
Receipt Date:	20120828
Manifest ID:	001825789GBF
Trans EPA ID:	ILR000130062
Trans Name:	HERITAGE-CRYSTAL CLEAN LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.04587
Waste Quantity:	11
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20120525
Creation Date:	8/1/2012 22:15:22
Receipt Date:	20120529

SAN MIGUEL MINI AUTO ELECTRIC PARTS (Continued) **S113113109**

Manifest ID:	001807067GBF
Trans EPA ID:	ILR000130062
Trans Name:	HERITAGE-CRYSTAL CLEAN LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0834
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20120215
Creation Date:	4/19/2012 20:30:10
Receipt Date:	20120229
Manifest ID:	001784415GBF
Trans EPA ID:	ILR000130062
Trans Name:	HERITAGE-CRYSTAL CLEAN LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.06255
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAL000224137

Shipment Date:	20131230
Creation Date:	3/6/2014 22:15:20
Receipt Date:	20131231
Manifest ID:	002337748GBF
Trans EPA ID:	ILR000130062
Trans Name:	HERITAGE-CRYSTAL CLEAN LLC

SAN MIGUEL MINI AUTO ELECTRIC PARTS (Continued) **S113113109**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131009
Creation Date:	12/4/2013 22:15:18
Receipt Date:	20131010
Manifest ID:	002275106GBF
Trans EPA ID:	ILR000130062
Trans Name:	HERITAGE-CRYSTAL CLEAN LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.0417
Waste Quantity:	10
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130709
Creation Date:	9/15/2013 22:15:33
Receipt Date:	20130710
Manifest ID:	002128696GBF
Trans EPA ID:	ILR000130062
Trans Name:	HERITAGE-CRYSTAL CLEAN LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues

SAN MIGUEL MINI AUTO ELECTRIC PARTS (Continued) **S113113109**

RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.05004
Waste Quantity:	12
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130416
Creation Date:	7/15/2013 22:15:07
Receipt Date:	20130417
Manifest ID:	002107935GBF
Trans EPA ID:	ILR000130062
Trans Name:	HERITAGE-CRYSTAL CLEAN, LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.05838
Waste Quantity:	14
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20130124
Creation Date:	4/10/2013 22:15:15
Receipt Date:	20130125
Manifest ID:	002044384GBF
Trans EPA ID:	ILR000130062
Trans Name:	HERITAGE-CRYSTAL CLEAN LLC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD099452708
Trans Name:	INDUSTRIAL SERVICE OIL COMPANY INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	133 - Aqueous solution with 10% or more total organic residues
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.09174
Waste Quantity:	22
Quantity Unit:	G
Additional Code 1:	Not reported

SAN MIGUEL MINI AUTO ELECTRIC PARTS (Continued) **S113113109**

Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HWTS:
Name: SAN MIGUEL MINI AUTO ELECTRIC PARTS
Address: 4953 SOUTH CENTRAL AVE
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 900110000
EPA ID: CAL000224137
Inactive Date: 06/30/2003
Create Date: 05/07/2001
Last Act Date: 01/27/2016
Mailing Name: Not reported
Mailing Address: 5336 S BROADWAY
Mailing Address 2: Not reported
Mailing City,State,Zip: LOS ANGELES, CA 900370000
Owner Name: VALENTINE HERNANDEZ
Owner Address: 4953 SOUTH CENTRAL AVE
Owner Address 2: Not reported
Owner City,State,Zip: LOS ANGELES, CA 900110000
Contact Name: VALENTIN HERNANDEZ/OWNER
Contact Address: 4953 SOUTH CENTRAL AVE
Contact Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 900110000

F29 **TARIN PAINTING INC** **RCRA-SQG** **1001085778**
WSW **413-1/2 E 52ND AVE** **CAR000011064**
1/8-1/4 **LOS ANGELES, CA 90011**
0.248 mi.
1310 ft. **Site 1 of 2 in cluster F**

Relative: RCRA-SQG:
Lower
Date Form Received by Agency: 19960410
Actual: Handler Name: TARIN PAINTING INC
172 ft. Handler Address: 413-1/2 E 52ND AVE
Handler City,State,Zip: LOS ANGELES, CA 90011-4515
EPA ID: CAR000011064
Contact Name: TONY HARRIS
Contact Address: 11755 WILSHIRE BLVD STE 1750
Contact City,State,Zip: LOS ANGELES, CA 90025-1523
Contact Telephone: 310-473-1449
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: WILSHIRE BLVD STE 1750
Mailing City,State,Zip: LOS ANGELES, CA 90025-1523

TARIN PAINTING INC (Continued) **1001085778**

Owner Name:	JD CONNER
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported

TARIN PAINTING INC (Continued) **1001085778**

Manifest Broker: Not reported
Sub-Part P Indicator: No

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: JD CONNER
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 413 E 52ND ST
Owner/Operator City,State,Zip: LOS ANGELES, CA 90011-4515
Owner/Operator Telephone: 213-231-0875
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19960410
Handler Name: TARIN PAINTING INC
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

F30 **TARIN PAINTING INC** **RCRA-SQG** **1001085776**
WSW **413 E 52ND ST** **FINDS** **CAR000011049**
1/8-1/4 **LOS ANGELES, CA 90011** **ECHO**
0.248 mi. **HAZNET**
1310 ft. **Site 2 of 2 in cluster F** **HWTS**

Relative: **Lower**
Actual: **172 ft.**

RCRA-SQG:
Date Form Received by Agency: 19960410
Handler Name: TARIN PAINTING INC
Handler Address: 413 E 52ND ST
Handler City,State,Zip: LOS ANGELES, CA 90011-4515
EPA ID: CAR000011049
Contact Name: TONY HARRIS
Contact Address: 11755 WILSHIRE BLVD STE 1750

TARIN PAINTING INC (Continued) **1001085776**

Contact City,State,Zip:	LOS ANGELES, CA 90025-1523
Contact Telephone:	310-473-1449
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	WILSHIRE BLVD STE 1750
Mailing City,State,Zip:	LOS ANGELES, CA 90025-1523
Owner Name:	JD CONNER
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No

TARIN PAINTING INC (Continued) **1001085776**

Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JD CONNER
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	413 E 52ND ST
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90011-4515
Owner/Operator Telephone:	213-231-0875
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960410
Handler Name: TARIN PAINTING INC	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

TARIN PAINTING INC (Continued) **1001085776**

FINDS:
Registry ID: 110002911421

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1001085776
Registry ID:	110002911421
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002911421
Name:	TARIN PAINTING INC
Address:	413-1/2 E 52ND AVE
City,State,Zip:	LOS ANGELES, CA 90011

HAZNET:

Name:	TARIN PAINTING INC
Address:	413 E 52ND ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900110000
Contact:	DEACT PER VQ96
Telephone:	3104731449
Mailing Name:	Not reported
Mailing Address:	11755 WILSHIRE BLVD STE 1750
Year:	1996
Gepaid:	CAR000011049
TSD EPA ID:	CAD000063316
CA Waste Code:	181 - Other inorganic solid waste
Disposal Method:	T01 - Treatment, Tank
Tons:	33.712

Additional Info:

Year:	1996
Gen EPA ID:	CAR000011049
Shipment Date:	19960419
Creation Date:	10/29/1996 0:00:00
Receipt Date:	19960423
Manifest ID:	95591347
Trans EPA ID:	CAD072953771
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD000063316
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported

TARIN PAINTING INC (Continued) **1001085776**

TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D008
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	33.712
Waste Quantity:	40
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	TARIN PAINTING INC
Address:	413 E 52ND ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900110000
EPA ID:	CAR000011049
Inactive Date:	06/30/1996
Create Date:	06/20/1996
Last Act Date:	07/06/2010
Mailing Name:	Not reported
Mailing Address:	11755 WILSHIRE BLVD STE 1750
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900250000
Owner Name:	JD CONNER
Owner Address:	413 E 52ND ST
Owner Address 2:	Not reported
Owner City,State,Zip:	LOS ANGELES, CA 900110000
Contact Name:	DEACT PER VQ96
Contact Address:	413 E 52ND ST
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900110000

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31 **JEFFERSON NEW ELEMENTARY SCHOOL NO. 7** **ENVIROSTOR** **S107736506**
SE **WADWORTH AVENUE/52ND PLACE** **SCH** **N/A**
1/4-1/2 **LOS ANGELES, CA 90011**
0.255 mi.
1344 ft.

Relative:
Lower

Actual:
180 ft.

ENVIROSTOR:

Name:	JEFFERSON NEW ELEMENTARY SCHOOL NO. 7
Address:	WADWORTH AVENUE/52ND PLACE
City,State,Zip:	LOS ANGELES, CA 90011-4648
Facility ID:	19880016
Status:	Certified
Status Date:	12/13/2003
Site Code:	304288
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	2.85
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Javier Hinojosa

JEFFERSON NEW ELEMENTARY SCHOOL NO. 7 (Continued) **S107736506**

Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 53
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.99489
Longitude: -118.2589
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: Lead
Confirmed COC: Lead
Potential Description: SOIL
Alias Name: JEFFERSON NEW ELEMENTARY SCHOOL NO. 7
Alias Type: Alternate Name
Alias Name: LAUSD-JEFFERSON NEW ES # 7
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 110033606685
Alias Type: EPA (FRS #)
Alias Name: 304288
Alias Type: Project Code (Site Code)
Alias Name: 19880016
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: LAUSD MASTER OVERSIGHT AGREEMENT (DOCKET NO. HSA-A 99/00-051) EXECUTED ON 2/10/00. As part of the Master Oversight Agreement between DTSC and the Los Angeles Unified School District (LAUSD), DTSC will provide oversight for a Preliminary Endangerment Assessment (PEA) for the proposed Jefferson New Elementary School No. 27 site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 02/15/2002
Comments: DTSC issued a Preliminary Endangerment Assessment determination, requiring further action at the proposed school site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/08/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/14/2003
Comments: RAW approved, no public comment period due to small volume and low interest.

JEFFERSON NEW ELEMENTARY SCHOOL NO. 7 (Continued) **S107736506**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 07/09/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 12/17/2003
Comments: DTSC approved the Supplemental Site Investigation (SSI) and determined neither an actual or a potential release of hazardous material, nor the presence of naturally occurring hazardous material indicated at the site pose a threat to human health or the environment under any land use. Therefore, DTSC concurred that no further environmental investigation or cleanup was required at this site, and approved the SSI. Cert site, Cert RA-RAC apprvd.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/09/2003
Comments: DTSC has determined that all appropriate response actions have been completed, that all acceptable engineering practices were implemented and that no further removal/remedial action is necessary and certified the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/17/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/15/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 10/08/2003
Comments: CEQA approved for the Removal Action. Notice of Exemption filed.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

JEFFERSON NEW ELEMENTARY SCHOOL NO. 7 (Continued) **S107736506**

Name:	JEFFERSON NEW ELEMENTARY SCHOOL NO. 7
Address:	WADWORTH AVENUE/52ND PLACE
City,State,Zip:	LOS ANGELES, CA 90011-4648
Facility ID:	19880016
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	2.85
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304288
Assembly:	53
Senate:	30
Special Program Status:	Not reported
Status:	Certified
Status Date:	12/13/2003
Restricted Use:	NO
Funding:	School District
Latitude:	33.99489
Longitude:	-118.2589
APN:	NONE SPECIFIED
Past Use:	RESIDENTIAL AREA
Potential COC:	Lead
Confirmed COC:	Lead
Potential Description:	SOIL
Alias Name:	JEFFERSON NEW ELEMENTARY SCHOOL NO. 7
Alias Type:	Alternate Name
Alias Name:	LAUSD-JEFFERSON NEW ES # 7
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	110033606685
Alias Type:	EPA (FRS #)
Alias Name:	304288
Alias Type:	Project Code (Site Code)
Alias Name:	19880016
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	LAUSD MASTER OVERSIGHT AGREEMENT (DOCKET NO. HSA-A 99/00-051) EXECUTED ON 2/10/00. As part of the Master Oversight Agreement between DTSC and the Los Angeles Unified School District (LAUSD), DTSC will provide oversight for a Preliminary Endangerment Assessment (PEA) for the proposed Jefferson New Elementary School No. 27 site.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	02/15/2002

JEFFERSON NEW ELEMENTARY SCHOOL NO. 7 (Continued) **S107736506**

Comments: DTSC issued a Preliminary Endangerment Assessment determination, requiring further action at the proposed school site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 12/08/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 10/14/2003
Comments: RAW approved, no public comment period due to small volume and low interest.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 07/09/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 12/17/2003
Comments: DTSC approved the Supplemental Site Investigation (SSI) and determined neither an actual or a potential release of hazardous material, nor the presence of naturally occurring hazardous material indicated at the site pose a threat to human health or the environment under any land use. Therefore, DTSC concurred that no further environmental investigation or cleanup was required at this site, and approved the SSI. Cert site, Cert RA-RAC apprvd.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/09/2003
Comments: DTSC has determined that all appropriate response actions have been completed, that all acceptable engineering practices were implemented and that no further removal/remedial action is necessary and certified the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 12/17/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 10/15/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

JEFFERSON NEW ELEMENTARY SCHOOL NO. 7 (Continued) **S107736506**

Completed Document Type:	* CEQA
Completed Date:	10/08/2003
Comments:	CEQA approved for the Removal Action. Notice of Exemption filed.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

G32 **DEPENDABLE REFRIGERATION** **ENVIROSTOR** **S105954467**
ESE **5201 SOUTH CENTRAL AVENUE** **N/A**
1/4-1/2 **LOS ANGELES, CA 90011**
0.278 mi.
1466 ft. **Site 1 of 2 in cluster G**

Relative: **Higher**

Actual: **181 ft.**

ENVIROSTOR:

Name:	DEPENDABLE REFRIGERATION
Address:	5201 SOUTH CENTRAL AVENUE
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	19760023
Status:	Inactive - Action Required
Status Date:	06/27/2003
Site Code:	301119
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0.12
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Not reported
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	30
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.99562
Longitude:	-118.2567
APN:	5103027013
Past Use:	MACHINE SHOP, METAL RECLAMATION, PAINT/DEPAINT FACILITY, RECYCLING - OTHER
Potential COC:	* UNSPECIFIED OIL CONTAINING WASTE * UNSPECIFIED SOLVENT MIXTURES Freon 113 Tetrachloroethylene (PCE
Confirmed COC:	30022-NO 10196-NO 10198-NO 30012-NO
Potential Description:	SOIL, SV
Alias Name:	5103027013
Alias Type:	APN
Alias Name:	CAN000905754
Alias Type:	CERCLIS ID
Alias Name:	301119
Alias Type:	Project Code (Site Code)

DEPENDABLE REFRIGERATION (Continued) **S105954467**

Alias Name: 19760023
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/27/2003
Comments: A Preliminary Assessment was conducted for the USEPA. Dependable Refrigeration refurbished used refrigerator compressors. Further investigation was suggested for this property where gas station and auto repair activities were historically performed.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

G33 **DEPENDABLE REFRIGERATION** **SEMS-ARCHIVE** **1003109096**
ESE **5201-5225 SOUTH CENTRAL AVENUE** **CAN000905754**
1/4-1/2 **LOS ANGELES, CA 90001**
0.278 mi.
1466 ft. **Site 2 of 2 in cluster G**

Relative: **Higher**
Actual: **181 ft.**

SEMS Archive:
Site ID: 0905754
EPA ID: CAN000905754
Name: DEPENDABLE REFRIGERATION
Address: 5201-5225 SOUTH CENTRAL AVENUE
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90001
Cong District: Not reported
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 09
Site ID: 0905754
EPA ID: CAN000905754
Site Name: DEPENDABLE REFRIGERATION
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 2013-11-08 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09

DEPENDABLE REFRIGERATION (Continued) **1003109096**

Site ID:	0905754
EPA ID:	CAN000905754
Site Name:	DEPENDABLE REFRIGERATION
NPL:	N
FF:	N
OU:	00
Action Code:	HX
Action Name:	PRE-CERC
SEQ:	1
Start Date:	Not reported
Finish Date:	2000-10-25 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0905754
EPA ID:	CAN000905754
Site Name:	DEPENDABLE REFRIGERATION
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	2000-10-25 04:00:00
Finish Date:	2000-10-25 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0905754
EPA ID:	CAN000905754
Site Name:	DEPENDABLE REFRIGERATION
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	2002-07-01 04:00:00
Finish Date:	2006-08-14 04:00:00
Qual:	N
Current Action Lead:	EPA Perf

---

34 **WINALL OIL #9** **LUST** **S107863296**
NNW **4442 AVALON BLVD. S.** **Cortese** **N/A**
1/4-1/2 **LOS ANGELES, CA 90011** **CERS**
0.300 mi.
1582 ft.

Relative:
Higher

Actual:
184 ft.

LUST:

Name:	WINALL OIL #9
Address:	4442 AVALON BLVD. S.
City,State,Zip:	LOS ANGELES, CA 90011
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603728537

WINALL OIL #9 (Continued) **S107863296**

Global Id: T0603728537
Latitude: 34.002714
Longitude: -118.264898
Status: Completed - Case Closed
Status Date: 07/01/2015
Case Worker: MR
RB Case Number: 900110125
Local Agency: LOS ANGELES, CITY OF
File Location: Not reported
Local Case Number: 3932
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603728537
Contact Type: Regional Board Caseworker
Contact Name: Maryam Renard
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: LOS ANGELES
Email: maryam.renard@waterboards.ca.gov
Phone Number: 2135766741

Global Id: T0603728537
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

LUST:
Global Id: T0603728537
Action Type: ENFORCEMENT
Date: 06/15/2009
Action: Staff Letter

Global Id: T0603728537
Action Type: Other
Date: 02/13/1997
Action: Leak Reported

Global Id: T0603728537
Action Type: RESPONSE
Date: 12/31/2009
Action: Pilot Study/ Treatability Report

Global Id: T0603728537
Action Type: RESPONSE
Date: 10/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603728537
Action Type: RESPONSE
Date: 07/15/2006

WINALL OIL #9 (Continued) **S107863296**

Action: Monitoring Report - Quarterly

Global Id: T0603728537
Action Type: ENFORCEMENT
Date: 06/06/2006
Action: Staff Letter

Global Id: T0603728537
Action Type: ENFORCEMENT
Date: 12/18/2008
Action: Staff Letter

Global Id: T0603728537
Action Type: RESPONSE
Date: 07/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603728537
Action Type: RESPONSE
Date: 07/15/2009
Action: Monitoring Report - Semi-Annually

Global Id: T0603728537
Action Type: RESPONSE
Date: 04/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603728537
Action Type: RESPONSE
Date: 01/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603728537
Action Type: RESPONSE
Date: 04/19/2006
Action: Monitoring Report - Quarterly

Global Id: T0603728537
Action Type: RESPONSE
Date: 01/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603728537
Action Type: RESPONSE
Date: 07/15/2010
Action: Monitoring Report - Semi-Annually

Global Id: T0603728537
Action Type: RESPONSE
Date: 07/15/2012
Action: Monitoring Report - Semi-Annually

Global Id: T0603728537
Action Type: RESPONSE
Date: 01/15/2012
Action: Monitoring Report - Semi-Annually

WINALL OIL #9 (Continued) **S107863296**

Global Id: T0603728537
Action Type: ENFORCEMENT
Date: 11/18/2010
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0603728537
Action Type: RESPONSE
Date: 01/15/2009
Action: Remedial Progress Report

Global Id: T0603728537
Action Type: RESPONSE
Date: 10/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603728537
Action Type: RESPONSE
Date: 10/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603728537
Action Type: RESPONSE
Date: 04/15/2006
Action: Monitoring Report - Quarterly

Global Id: T0603728537
Action Type: RESPONSE
Date: 07/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603728537
Action Type: ENFORCEMENT
Date: 09/25/2014
Action: Notification - Preclosure

Global Id: T0603728537
Action Type: RESPONSE
Date: 02/19/2009
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603728537
Action Type: RESPONSE
Date: 01/15/2009
Action: Monitoring Report - Quarterly

Global Id: T0603728537
Action Type: RESPONSE
Date: 09/11/2007
Action: CAP/RAP - Feasibility Study Report

Global Id: T0603728537
Action Type: RESPONSE
Date: 09/11/2007
Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0603728537
Action Type: RESPONSE

WINALL OIL #9 (Continued) **S107863296**

Date: 07/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603728537
Action Type: RESPONSE
Date: 10/15/2005
Action: Monitoring Report - Quarterly

Global Id: T0603728537
Action Type: RESPONSE
Date: 01/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603728537
Action Type: RESPONSE
Date: 01/15/2011
Action: Monitoring Report - Semi-Annually

Global Id: T0603728537
Action Type: RESPONSE
Date: 07/15/2013
Action: Remedial Progress Report

Global Id: T0603728537
Action Type: ENFORCEMENT
Date: 07/01/2015
Action: Closure/No Further Action Letter

Global Id: T0603728537
Action Type: Other
Date: 02/12/1997
Action: Leak Discovery

Global Id: T0603728537
Action Type: RESPONSE
Date: 08/05/2006
Action: Other Report / Document

Global Id: T0603728537
Action Type: RESPONSE
Date: 04/15/2008
Action: Monitoring Report - Quarterly

Global Id: T0603728537
Action Type: RESPONSE
Date: 04/15/2007
Action: Monitoring Report - Quarterly

Global Id: T0603728537
Action Type: RESPONSE
Date: 01/15/2013
Action: Monitoring Report - Semi-Annually

Global Id: T0603728537
Action Type: RESPONSE
Date: 07/15/2013
Action: Monitoring Report - Semi-Annually

WINALL OIL #9 (Continued) **S107863296**

Global Id: T0603728537
Action Type: REMEDIATION
Date: 07/01/2009
Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0603728537
Action Type: REMEDIATION
Date: 07/01/1997
Action: Excavation

LUST:
Global Id: T0603728537
Status: Open - Case Begin Date
Status Date: 02/12/1997

Global Id: T0603728537
Status: Open - Site Assessment
Status Date: 02/13/1997

Global Id: T0603728537
Status: Open - Remediation
Status Date: 12/18/2008

Global Id: T0603728537
Status: Open - Eligible for Closure
Status Date: 02/20/2013

Global Id: T0603728537
Status: Completed - Case Closed
Status Date: 07/01/2015

CORTESE:
Name: WINALL OIL #9
Address: 4442 AVALON BLVD. S.
City,State,Zip: LOS ANGELES, CA 90011
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603728537
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported

WINALL OIL #9 (Continued) **S107863296**

File Name: Active Open

CERS:
Name: WINALL OIL #9
Address: 4442 AVALON BLVD. S.
City,State,Zip: LOS ANGELES, CA 90011
Site ID: 206867
CERS ID: T0603728537
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Local Agency Caseworker
Entity Name: ELOY LUNA - LOS ANGELES, CITY OF
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Suite 1780
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: MARYAM TAIDY - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766741

H35 **AVALON BOULEVARD COMPLEX** **US BROWNFIELDS** **1023619128**
SSW **AVALON BOULEVARD BETWEEN 53RD AND 54TH STREETS** **FINDS** **N/A**
1/4-1/2 **LOS ANGELES, CA 90011**
0.312 mi.
1645 ft. **Site 1 of 6 in cluster H**

Relative: **Lower**
Actual: **171 ft.**

US BROWNFIELDS:
Name: AVALON BOULEVARD COMPLEX
Address: AVALON BOULEVARD BETWEEN 53RD AND 54TH STREETS
City,State,Zip: LOS ANGELES, CA 90011
Recipient Name: Los Angeles, City of
Grant Type: Assessment
Property Number: -
Parcel size: 9
Latitude: 33.99481
Longitude: -118.246684
HCM Label: -
Map Scale: -
Point of Reference: -
Highlights: -
Datum: -
Acres Property ID: 11459
IC Data Access: -
Start Date: -
Redev Completition Date: -
Completed Date: -

AVALON BOULEVARD COMPLEX (Continued) **1023619128**

Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	-
Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	98912501
Start Date:	-
Ownership Entity:	-
Completion Date:	-
Current Owner:	Metropolitan Transportation Authority
Did Owner Change:	-
Cleanup Required:	-
Video Available:	-
Photo Available:	-
Institutional Controls Required:	-
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	U
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-

AVALON BOULEVARD COMPLEX (Continued) **1023619128**

Sediments found:	-
Sediments cleaned:	-
Soil affected:	-
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	-
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	-
Below Poverty Number:	6248
Below Poverty Percent:	40.08
Meidan Income:	6950
Meidan Income Number:	12356
Meidan Income Percent:	79.26
Vacant Housing Number:	314

AVALON BOULEVARD COMPLEX (Continued) **1023619128**

Vacant Housing Percent: 8.37
Unemployed Number: 888
Unemployed Percent: 5.7

FINDS:
Registry ID: 110061036793

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

H36 **WETLANDS PARK** **US BROWNFIELDS** **1017407175**
SSW **54TH ST. AND AVALON** **FINDS** **N/A**
1/4-1/2 **LOS ANGELES, CA 90011**
0.314 mi.
1660 ft. **Site 2 of 6 in cluster H**

Relative: **Lower**

Actual: **171 ft.**

US BROWNFIELDS:

Name:	WETLANDS PARK
Address:	54TH ST. AND AVALON
City,State,Zip:	LOS ANGELES, CA 90011
Recipient Name:	Los Angeles, City of
Grant Type:	Cleanup
Property Number:	-
Parcel size:	9
Latitude:	33.9933325
Longitude:	-118.26520160000001
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Former Use: Welding Shop, Past Owners is MTA new Owner is LA. City.
Datum:	North American Datum of 1983
Acres Property ID:	165735
IC Data Access:	-
Start Date:	04/13/2009
Redev Completition Date:	02/09/2012
Completed Date:	09/08/2011
Acres Cleaned Up:	-
Cleanup Funding:	200000
Cleanup Funding Source:	EPA
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	26000000
Redev. Funding Source:	Los Angeles County Metropolitan Transit Authority (MTA)
Redev. Funding Entity Name:	Local Funding
Redevelopment Start Date:	04/01/2011
Assessment Funding Entity:	-
Cleanup Funding Entity:	US EPA - Brownfields Cleanup Cooperative Agreement
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	00T32901
Start Date:	-

WETLANDS PARK (Continued) **1017407175**

Ownership Entity:	Government
Completion Date:	-
Current Owner:	City Of L.A.
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	11/07/2011
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	Y
Groundwater cleaned:	-
Lead contaminant found:	Y
Lead cleaned up:	Y
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	Y
Other contaminants found:	-
Other contams found description:	-
PAHs found:	Y
PAHs cleaned up:	Y
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	Y
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	Y
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	9
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	9
Future use residential acreage:	-

WETLANDS PARK (Continued) **1017407175**

Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	Y
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Welding Shop, Past Owners is MTA new Owner is LA. City.
Below Poverty Number:	6108
Below Poverty Percent:	39.91
Meidan Income:	6950
Meidan Income Number:	12095
Meidan Income Percent:	79.03
Vacant Housing Number:	312
Vacant Housing Percent:	8.45
Unemployed Number:	875
Unemployed Percent:	5.72

Name:	WETLANDS PARK
Address:	54TH ST. AND AVALON
City,State,Zip:	LOS ANGELES, CA 90011
Recipient Name:	Los Angeles, City of
Grant Type:	Cleanup
Property Number:	-
Parcel size:	9
Latitude:	33.9933325
Longitude:	-118.26520160000001
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station

WETLANDS PARK (Continued) **1017407175**

Highlights:	Former Use: Welding Shop, Past Owners is MTA new Owner is LA. City.
Datum:	North American Datum of 1983
Acres Property ID:	165735
IC Data Access:	-
Start Date:	-
Redev Completition Date:	02/09/2012
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	200000
Assessment Funding Source:	MTA
Redevelopment Funding:	26000000
Redev. Funding Source:	Los Angeles County Metropolitan Transit Authority (MTA)
Redev. Funding Entity Name:	Local Funding
Redevelopment Start Date:	04/01/2011
Assessment Funding Entity:	Local Funding
Cleanup Funding Entity:	-
Grant Type:	Hazardous
Accomplishment Type:	Cleanup Planning
Accomplishment Count:	N
Cooperative Agreement Number:	00T32901
Start Date:	03/05/2009
Ownership Entity:	Government
Completion Date:	-
Current Owner:	City Of L.A.
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	11/07/2011
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	Y
Groundwater cleaned:	-
Lead contaminant found:	Y
Lead cleaned up:	Y
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	Y
Other contaminants found:	-

WETLANDS PARK (Continued) **1017407175**

Other contams found description:	-
PAHs found:	Y
PAHs cleaned up:	Y
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	Y
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	Y
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	9
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	9
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	Y
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported

WETLANDS PARK (Continued) **1017407175**

Property Description:	Welding Shop, Past Owners is MTA new Owner is LA. City.
Below Poverty Number:	6108
Below Poverty Percent:	39.91
Meidan Income:	6950
Meidan Income Number:	12095
Meidan Income Percent:	79.03
Vacant Housing Number:	312
Vacant Housing Percent:	8.45
Unemployed Number:	875
Unemployed Percent:	5.72
Name:	WETLANDS PARK
Address:	54TH ST. AND AVALON
City,State,Zip:	LOS ANGELES, CA 90011
Recipient Name:	Los Angeles, City of
Grant Type:	Cleanup
Property Number:	-
Parcel size:	9
Latitude:	33.9933325
Longitude:	-118.26520160000001
HCM Label:	Address Matching-House Number
Map Scale:	-
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Former Use: Welding Shop, Past Owners is MTA new Owner is LA. City.
Datum:	North American Datum of 1983
Acres Property ID:	165735
IC Data Access:	-
Start Date:	04/13/2009
Redev Completition Date:	02/09/2012
Completed Date:	09/08/2011
Acres Cleaned Up:	-
Cleanup Funding:	200000
Cleanup Funding Source:	EPA
Assessment Funding:	-
Assessment Funding Source:	-
Redevelopment Funding:	26000000
Redev. Funding Source:	Los Angeles County Metropolitan Transit Authority (MTA)
Redev. Funding Entity Name:	Local Funding
Redevelopment Start Date:	04/01/2011
Assessment Funding Entity:	-
Cleanup Funding Entity:	US EPA - Brownfields Cleanup Cooperative Agreement
Grant Type:	Hazardous
Accomplishment Type:	-
Accomplishment Count:	-
Cooperative Agreement Number:	00T32901
Start Date:	-
Ownership Entity:	Government
Completion Date:	-
Current Owner:	City Of L.A.
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	N
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-

WETLANDS PARK (Continued) **1017407175**

IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	N
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	11/07/2011
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	Y
Groundwater cleaned:	-
Lead contaminant found:	Y
Lead cleaned up:	Y
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	Y
Other contaminants found:	-
Other contams found description:	-
PAHs found:	Y
PAHs cleaned up:	Y
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	Y
Petro products cleaned:	Y
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	Y
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	9
Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	-
Past use industrial acreage:	-
Future use greenspace acreage:	9
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	Y
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-

WETLANDS PARK (Continued) **1017407175**

Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	Welding Shop, Past Owners is MTA new Owner is LA. City.
Below Poverty Number:	6108
Below Poverty Percent:	39.91
Meidan Income:	6950
Meidan Income Number:	12095
Meidan Income Percent:	79.03
Vacant Housing Number:	312
Vacant Housing Percent:	8.45
Unemployed Number:	875
Unemployed Percent:	5.72

FINDS:
Registry ID: 110063210699

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

H37 **SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT** **ENVIROSTOR** **S106102447**
SSW **5413 AVALON BLVD.** **WDS** **N/A**
1/4-1/2 **LOS ANGELES, CA 90011**
0.345 mi.
1821 ft. **Site 3 of 6 in cluster H**

Relative: **Lower**
Actual: **171 ft.**

ENVIROSTOR:

Name:	SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT
Address:	5413 AVALON BLVD.
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	60001669
Status:	Refer: EPA

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT (Continued) **S106102447**

Status Date: 05/19/1999
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: US EPA
Lead Agency: US EPA
Program Manager: Not reported
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 46
Senate: 30
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.99321
Longitude: -118.2653
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: Asbestos Containing Materials (ACM Dioxin (as 2,3,7,8-TCDD TEQ Lead Tetrachloroethylene (PCE Trichloroethylene (TCE Cadmium and compounds Ethylbenzene Polynuclear aromatic hydrocarbons (PAHs Toluene Xylenes
Confirmed COC: Dioxin (as 2,3,7,8-TCDD TEQ Lead Tetrachloroethylene (PCE Polynuclear aromatic hydrocarbons (PAHs Cadmium and compounds Ethylbenzene Xylenes Toluene Trichloroethylene (TCE Asbestos Containing Materials (ACM
Potential Description: NONE SPECIFIED
Alias Name: 60001669
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 05/19/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

WDS:
Name: LA CO METRO TRANS AUTH DIV 14
Address: 5413 Avalon Blvd
City: LOS ANGELES
Facility ID: 4 19I000499
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT (Continued) **S106102447**

	washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4
Facility Telephone:	2139226694
Facility Contact:	OROPEZA GASPER
Agency Name:	LA CO METRO TRANS AUTH
Agency Address:	1 Gateway Plz
Agency City,St,Zip:	Los Angeles 900122952
Agency Contact:	URBAN BEN
Agency Telephone:	2139224714
Agency Type:	?
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste Type:	Not reported
Primary Waste:	Not reported
Waste Type2:	Not reported
Waste2:	Not reported
Primary Waste Type:	Not reported
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Design Flow:	0
Baseline Flow:	0
Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

H38 **MTA AVALON FACILITY** **RCRA-LQG** **1016139913**
SSW **5413 AVALON BLVD** **US BROWNFIELDS** **CAL000358865**
1/4-1/2 **LOS ANGELES, CA 90011** **FINDS**
0.345 mi. **ECHO**
1821 ft. **Site 4 of 6 in cluster H**

Relative: RCRA-LQG:
Lower

Date Form Received by Agency:	20130308
Handler Name:	SOUTH LOS ANGELES WETLANDS PARK
Handler Address:	5413 AVALON BLVD.
Handler City,State,Zip:	LOS ANGELES, CA 90011
EPA ID:	CAL000358865
Contact Name:	JOHN SALDIN
Contact Address:	S. BROADWAY, SUITE 600
Contact City,State,Zip:	LOS ANGELES, CA 90015
Contact Telephone:	213-485-1411

Actual:
171 ft.

MTA AVALON FACILITY (Continued) **1016139913**

Contact Fax:	Not reported
Contact Email:	JOHN.SALDIN@LACITY.ORG
Contact Title:	PROJECT MNGR
EPA Region:	09
Land Type:	Municipal
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2011
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	E. FIRST STREET, ROOM 600
Mailing City,State,Zip:	LOS ANGELES, CA 90012
Owner Name:	CITY OF LA, DEPT. GENERAL SERVICES
Owner Type:	Municipal
Operator Name:	CITY OF LA, DEPT. GENERAL SERVICES
Operator Type:	Municipal
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A

MTA AVALON FACILITY (Continued) **1016139913**

Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20130311
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2011

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D008
Waste Description: LEAD

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	CITY OF LA, DEPT. GENERAL SERVICES
Legal Status:	Municipal
Date Became Current:	20090226
Date Ended Current:	Not reported
Owner/Operator Address:	111 E. FIRST STREET, ROOM 600
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90012
Owner/Operator Telephone:	213-978-3798
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	CITY OF LA, DEPT. GENERAL SERVICES
Legal Status:	Municipal
Date Became Current:	20090226
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:
Receive Date: 20130308
Handler Name: SOUTH LOS ANGELES WETLANDS PARK
Federal Waste Generator Description: Large Quantity Generator

MTA AVALON FACILITY (Continued) **1016139913**

State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	92411
NAICS Description:	ADMINISTRATION OF AIR AND WATER RESOURCE AND SOLID WASTE MANAGEMENT PROGRAMS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

US BROWNFIELDS:

Name:	MTA AVALON FACILITY
Address:	5413 AVALON BLVD
City,State,Zip:	LOS ANGELES, CA 90011
Recipient Name:	California Department of Toxic Substances Control
Grant Type:	Section 128(a) State/Tribal
Property Number:	5101-002-900
Parcel size:	9
Latitude:	33.99387
Longitude:	-118.26572
HCM Label:	Address Matching-House Number
Map Scale:	1:2400
Point of Reference:	Center of a Facility or Station
Highlights:	Former Use: The property was used as a maintenance yard for railcars and vehicles since approximately 1908. The property has always been owned by the Regional Transit District that later became the Metropolitan Transit Authority.
Datum:	World Geodetic System of 1984
Acres Property ID:	60781
IC Data Access:	-
Start Date:	-
Redev Completition Date:	-
Completed Date:	-
Acres Cleaned Up:	-
Cleanup Funding:	-
Cleanup Funding Source:	-
Assessment Funding:	49000
Assessment Funding Source:	EPA
Redevelopment Funding:	-
Redev. Funding Source:	-
Redev. Funding Entity Name:	-
Redevelopment Start Date:	-
Assessment Funding Entity:	US EPA - State & Tribal Section 128(a) Funding

MTA AVALON FACILITY (Continued) **1016139913**

Cleanup Funding Entity:	-
Grant Type:	-
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	Y
Cooperative Agreement Number:	97963101
Start Date:	11/29/2004
Ownership Entity:	Government
Completion Date:	11/29/2004
Current Owner:	Metro Transit Authority (MTA)
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	N
Photo Available:	Y
Institutional Controls Required:	U
IC Category Proprietary Controls:	-
IC Cat. Info. Devices:	-
IC Cat. Gov. Controls:	-
IC Cat. Enforcement Permit Tools:	-
IC in place date:	-
IC in place:	-
State/tribal program date:	-
State/tribal program ID:	-
State/tribal NFA date:	-
Air cleaned:	-
Asbestos found:	-
Asbestos cleaned:	-
Controled substance found:	-
Controled substance cleaned:	-
Drinking water affected:	-
Drinking water cleaned:	-
Groundwater affected:	-
Groundwater cleaned:	-
Lead contaminant found:	-
Lead cleaned up:	-
No media affected:	Not reported
Unknown media affected:	-
Other cleaned up:	-
Other metals found:	-
Other metals cleaned:	-
Other contaminants found:	-
Other contams found description:	-
PAHs found:	-
PAHs cleaned up:	-
PCBs found:	-
PCBs cleaned up:	-
Petro products found:	-
Petro products cleaned:	-
Sediments found:	-
Sediments cleaned:	-
Soil affected:	Y
Soil cleaned up:	-
Surface water cleaned:	-
VOCs found:	Y
VOCs cleaned:	-
Cleanup other description:	-
Num. of cleanup and re-dev. jobs:	-
Past use greenspace acreage:	-

MTA AVALON FACILITY (Continued) **1016139913**

Past use residential acreage:	-
Surface Water:	-
Past use commercial acreage:	9
Past use industrial acreage:	-
Future use greenspace acreage:	-
Future use residential acreage:	-
Future use commercial acreage:	-
Future use industrial acreage:	-
Superfund Fed. landowner flag:	-
Arsenic cleaned up:	-
Cadmium cleaned up:	-
Chromium cleaned up:	-
Copper cleaned up:	-
Iron cleaned up:	-
mercury cleaned up:	-
Nickel Cleaned Up:	-
No clean up:	-
Pesticides cleaned up:	-
Selenium cleaned up:	-
SVOCs cleaned up:	-
Unknown clean up:	-
Arsenic contaminant found:	-
Cadmium contaminant found:	-
Chromium contaminant found:	-
Copper contaminant found:	-
Iron contaminant found:	-
Mercury contaminant found:	-
Nickel contaminant found:	-
No contaminant found:	-
Pesticides contaminant found:	-
Selenium contaminant found:	-
SVOCs contaminant found:	-
Unknown contaminant found:	-
Future Use: Multistory	-
Media affected Bluiding Material:	-
Media affected indoor air:	-
Building material media cleaned up:	-
Indoor air media cleaned up:	-
Unknown media cleaned up:	-
Past Use: Multistory	Not reported
Property Description:	The property was used as a maintenance yard for railcars and vehicles since approximately 1908. The property has always been owned by the Regional Transit District that later became the Metropolitan Transit Authority.
Below Poverty Number:	5827
Below Poverty Percent:	39.78
Meidan Income:	6560
Meidan Income Number:	11624
Meidan Income Percent:	79.36
Vacant Housing Number:	303
Vacant Housing Percent:	8.61
Unemployed Number:	839
Unemployed Percent:	5.73

FINDS:
Registry ID: 110038754782

MTA AVALON FACILITY (Continued) **1016139913**

Click Here:

Environmental Interest/Information System:
US EPA Assessment, Cleanup and Redevelopment Exchange System (ACRES) is an federal online database for Brownfields Grantees to electronically submit data directly to EPA.
Registry ID: 110009535547

Click Here:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1016139913
Registry ID:	110009535547
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110009535547
Name:	SOUTH LOS ANGELES WETLANDS PARK
Address:	5413 AVALON BOULEVARD
City,State,Zip:	LOS ANGELES, CA 90011

H39 **SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT** **SEMS-ARCHIVE** **1001491871**
SSW **5413 AVALON BOULEVARD** **CASFN0905528**
1/4-1/2 **LOS ANGELES, CA 90012**
0.345 mi.
1821 ft. **Site 5 of 6 in cluster H**

Relative: **Lower**
Actual: **171 ft.**

SEMS Archive:

Site ID:	0905528
EPA ID:	CASFN0905528
Name:	SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT
Address:	5413 AVALON BOULEVARD
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90012
Cong District:	Not reported
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0905528
EPA ID:	CASFN0905528
Site Name:	SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT
NPL:	N

SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT (Continued) **1001491871**

FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2001-09-21 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	09
Site ID:	0905528
EPA ID:	CASFN0905528
Site Name:	SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1997-08-12 04:00:00
Finish Date:	1997-08-12 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0905528
EPA ID:	CASFN0905528
Site Name:	SOUTHERN CALIFORNIA RAPID TRANSIT DISTRICT
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	2000-08-15 04:00:00
Finish Date:	2001-06-29 04:00:00
Qual:	N
Current Action Lead:	St Perf

H40 **AVALON WETLANDS PARK PROJECT** **ENVIROSTOR** **S106839635**
SSW **5413 AVALON BOULEVARD** **EMI** **N/A**
1/4-1/2 **LOS ANGELES, CA 90011** **HAZMAT**
0.345 mi. **LA Co. Site Mitigation**
1821 ft. **Site 6 of 6 in cluster H**

Relative: ENVIROSTOR:
Lower

Name:	AVALON WETLANDS PARK PROJECT
Address:	5413 AVALON BOULEVARD
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	60000138
Status:	No Action Required
Status Date:	01/12/2005
Site Code:	301206
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	9

Actual:
171 ft.

AVALON WETLANDS PARK PROJECT (Continued) **S106839635**

NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Rita Kamat
Division Branch: Cleanup Chatsworth
Assembly: 59
Senate: 30
Special Program: EPA - Target Site Investigation
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.99303
Longitude: -118.2654
APN: 5101-002-900, 5101002900
Past Use: RAIL ROAD MAINTENANCE SHOP
Potential COC: Arsenic Lead
Confirmed COC: Arsenic Lead
Potential Description: SOIL
Alias Name: South L.A. Wetlands Park
Alias Type: Alternate Name
Alias Name: South LA Wetlands Park
Alias Type: Alternate Name
Alias Name: South Los Angeles Wetlands Park
Alias Type: Alternate Name
Alias Name: 5101-002-900
Alias Type: APN
Alias Name: 5101002900
Alias Type: APN
Alias Name: 110009535547
Alias Type: EPA (FRS #)
Alias Name: 301206
Alias Type: Project Code (Site Code)
Alias Name: 60000138
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/12/2005
Comments: Additional site assessment recommended near clarifier area on site.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

EMI:
Name: SO CAL RTD DIV #14
Address: 5413 S AVALON BL
City,State,Zip: LOS ANGELES, CA 90013

AVALON WETLANDS PARK PROJECT (Continued) **S106839635**

Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	44734
Air District Name:	SC
SIC Code:	4131
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

LOS ANGELES HM:

Name:	CITY OF LA - GSD - SO LA WETLANDS
Address:	5413 S AVALON BLVD
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	FA0021294
Last Run Date:	04/19/2021
Status:	INACTIVE

LA Co. Site Mitigation:

Name:	SOUTH LOS ANGELES WETLANDS PARK
Address:	5413 S AVALON BLVD
City,State,Zip:	LOS ANGELES, CA 90037
Facility ID:	Not reported
Status:	Not reported
Site ID:	SD0000244
Jurisdiction:	Not reported
Case ID:	RO0000248
Abated:	Yes
Assigned To:	Kim Clark
Entered Date:	Not reported
Abated Date:	12/15/2011

41
SW
1/4-1/2
0.345 mi.
1824 ft.

CENTRAL REGION HIGH SCHOOL #16, SITE3A **ENVIROSTOR** **S108054481**
EAST 52ND STREET/SAN PEDRO STREET AND TOWNE AVENUE/EAST 54TH **SCH** **N/A**
LOS ANGELES, CA 90011

Relative:
Lower

Actual:
170 ft.

ENVIROSTOR:

Name:	CENTRAL REGION HIGH SCHOOL #16, SITE3A
Address:	EAST 52ND STREET/SAN PEDRO STREET AND TOWNE AVENUE/EAST 54TH STREET/AVALON BLVD.
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	60000392
Status:	Certified
Status Date:	10/26/2010
Site Code:	304535
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	13.24

CENTRAL REGION HIGH SCHOOL #16, SITE3A (Continued) **S108054481**

NPL: NO
Regulatory Agencies: SMBRP, ORANGE COUNTY
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 53
Senate: 24
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 34.05630
Longitude: -118.2573
APN: 5101-001-900
Past Use: RESIDENTIAL AREA, RETAIL, RETAIL - VEHICLES, SCHOOL - OTHER, TRANSPORTATION - WAREHOUSING
Potential COC: Benzene Chlordane DDD DDE DDT Endrin Lead Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE Toxaphene TPH-diesel TPH-gas TPH-MOTOR OIL Trichloroethylene (TCE Dieldrin Heptachlor Heptachlor epoxide
Confirmed COC: 30003-NO Chlordane 30207-NO 30019-NO Tetrachloroethylene (PCE 30024-NO 30025-NO Heptachlor epoxide 3002502-NO 30023-NO 30027-NO Heptachlor Lead DDD DDE DDT 30010-NO
Potential Description: SOIL, SV
Alias Name: Los Angeles Unified School District
Alias Type: Alternate Name
Alias Name: 5101-001-900
Alias Type: APN
Alias Name: 110033619412
Alias Type: EPA (FRS #)
Alias Name: 304535
Alias Type: Project Code (Site Code)
Alias Name: 60000392
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 08/18/2006
Comments: DTSC concurs with Scoping Document. Sampling scheduled to begin 8/21/2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/21/2007
Comments: DTSC issues FA determination for VOCs and metals. Methane and CrVI not properly characterized.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/07/2008
Comments: DTSC determined that Further Action is required based on the Supplemental Site Investigation report

CENTRAL REGION HIGH SCHOOL #16, SITE3A (Continued) **S108054481**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 08/11/2008
Comments: DTSC approved the Remedial Action plan for implementation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 07/02/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 10/16/2008
Comments: DTSC approved the Remedial Design Document for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 02/26/2009
Comments: DTSC approved the Remedial Action Completion Report for Areas C and D.
Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/01/2006
Comments: Phase I submitted for background information.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 08/12/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 01/28/2010
Comments: DTSC concurs with the recommendation of No Further Action for the Area B RACR. The entire site has now been investigated/remediated.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 08/11/2008
Comments: Initial Study/Negative Declaration and Notice of Determination completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 07/23/2008
Comments: Not reported

CENTRAL REGION HIGH SCHOOL #16, SITE3A (Continued) **S108054481**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	10/18/2010
Comments:	DTSC certified that response action according to the DTSC-approved RAW is complete.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	10/18/2010
Comments:	Not reported

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Name:	CENTRAL REGION HIGH SCHOOL #16, SITE3A
Address:	EAST 52ND STREET/SAN PEDRO STREET AND TOWNE AVENUE/EAST 54TH STREET/AVALON BLV
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	60000392
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	13.24
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP, ORANGE COUNTY
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304535
Assembly:	53
Senate:	24
Special Program Status:	Not reported
Status:	Certified
Status Date:	10/26/2010
Restricted Use:	NO
Funding:	Responsible Party
Latitude:	34.05630
Longitude:	-118.2573
APN:	5101-001-900
Past Use:	RESIDENTIAL AREA, RETAIL, RETAIL - VEHICLES, SCHOOL - OTHER, TRANSPORTATION - WAREHOUSING
Potential COC:	Benzene, Chlordane, DDD, DDE, DDT, Endrin, Lead, Polynuclear aromatic hydrocarbons (PAHs, Tetrachloroethylene (PCE, Toxaphene, TPH-diesel, TPH-gas, TPH-MOTOR OIL, Trichloroethylene (TCE, Dieldrin, Heptachlor, Heptachlor epoxide

CENTRAL REGION HIGH SCHOOL #16, SITE3A (Continued) **S108054481**

Confirmed COC: 30003-NO, Chlordane, 30207-NO, 30019-NO, Tetrachloroethylene (PCE, 30024-NO, 30025-NO, Heptachlor epoxide, 3002502-NO, 30023-NO, 30027-NO, Heptachlor, Lead, DDD, DDE, DDT, 30010-NO
Potential Description: SOIL, SV
Alias Name: Los Angeles Unified School District
Alias Type: Alternate Name
Alias Name: 5101-001-900
Alias Type: APN
Alias Name: 110033619412
Alias Type: EPA (FRS #)
Alias Name: 304535
Alias Type: Project Code (Site Code)
Alias Name: 60000392
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 08/18/2006
Comments: DTSC concurs with Scoping Document. Sampling scheduled to begin 8/21/2006.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 05/21/2007
Comments: DTSC issues FA determination for VOCs and metals. Methane and CrVI not properly characterized.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 01/07/2008
Comments: DTSC determined that Further Action is required based on the Supplemental Site Investigation report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 08/11/2008
Comments: DTSC approved the Remedial Action plan for implementation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 07/02/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 10/16/2008
Comments: DTSC approved the Remedial Design Document for implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report

CENTRAL REGION HIGH SCHOOL #16, SITE3A (Continued) **S108054481**

Completed Date:	02/26/2009
Comments:	DTSC approved the Remedial Action Completion Report for Areas C and D.
	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	02/01/2006
Comments:	Phase I submitted for background information.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Report
Completed Date:	08/12/2009
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Completion Report
Completed Date:	01/28/2010
Comments:	DTSC concurs with the recommendation of No Further Action for the Area B RACR. The entire site has now been investigated/remediated.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Initial Study/ Neg. Declaration
Completed Date:	08/11/2008
Comments:	Initial Study/Negative Declaration and Notice of Determination completed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	School Cleanup Agreement
Completed Date:	07/23/2008
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	10/18/2010
Comments:	DTSC certified that response action according to the DTSC-approved RAW is complete.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	10/18/2010
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported

CENTRAL REGION HIGH SCHOOL #16, SITE3A (Continued) **S108054481**

Schedule Revised Date: Not reported

I42 **METAL FAB** **ENVIROSTOR** **S109821376**
SSW **616 EAST 55TH STREET** **N/A**
1/4-1/2 **LOS ANGELES, CA 90001**
0.380 mi.
2004 ft. **Site 1 of 4 in cluster I**

Relative:
Lower

Actual:
171 ft.

ENVIROSTOR:

Name:	METAL FAB
Address:	616 EAST 55TH STREET
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	60001120
Status:	No Further Action
Status Date:	10/12/2011
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Rita Kamat
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	30
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	33.99238
Longitude:	-118.2642
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	60001120
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	PA/SI Site Screening
Completed Date:	06/30/2009
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

43
SE
1/4-1/2
0.388 mi.
2048 ft.

GREENFIELD DAIRY
5400 S CENTRAL AVE
LOS ANGELES, CA 90021

SWRCY
SWEEPS UST
CA FID UST

S101586761
N/A

Relative:
Lower

Actual:
179 ft.

SWRCY:

Name:	HERNANDEZ RECYCLING CENTER
Address:	5400 S CENTRAL AVE
City,State,Zip:	LOS ANGELES, CA 90011
Reg Id:	24230
Cert Id:	RC9551
Mailing Address:	1276 E 55th St
Mailing City:	Los Angeles
Mailing State:	CA
Mailing Zip Code:	90011
Website:	Not reported
Email:	uhernandez5@hotmail.com
Phone Number:	(323) 893-1951
Rural:	N
Operation Begin Date:	02/01/1999
Aluminium:	Y
Glass:	Y
Plastic:	Y
Bimetal:	Y
Hours of Operation:	Mon - Sun 7:00 am - 6:00 pm
Organization ID:	24230
Organization Name:	Hernandez Recycling Center

SWEEPS UST:

Name:	GREENFIELD DAIRY
Address:	5400 S CENTRAL AVE
City:	LOS ANGELES
Status:	Not reported
Comp Number:	5533
Number:	Not reported
Board Of Equalization:	Not reported
Referral Date:	Not reported
Action Date:	Not reported
Created Date:	Not reported
Owner Tank Id:	Not reported
SWRCB Tank Id:	Not reported
Tank Status:	Not reported
Capacity:	Not reported
Active Date:	Not reported
Tank Use:	Not reported
STG:	Not reported
Content:	Not reported
Number Of Tanks:	0

CA FID UST:

Facility ID:	19054437
Regulated By:	UTNKI
Regulated ID:	Not reported
Cortese Code:	Not reported
SIC Code:	Not reported
Facility Phone:	2132325496
Mail To:	Not reported

GREENFIELD DAIRY (Continued) **S101586761**

Mailing Address:	5400 S CENTRAL AVE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	LOS ANGELES 900210000
Contact:	Not reported
Contact Phone:	Not reported
DUNs Number:	Not reported
NPDES Number:	Not reported
EPA ID:	Not reported
Comments:	Not reported
Status:	Inactive

J44 **CENTRAL REGION ELEMENTARY SCHOOL #21** **ENVIROSTOR** **S108974319**
NE **EAST 45TH STREET AND SOUTH CENTRAL AVENUE** **SCH** **N/A**
1/4-1/2 **LOS ANGELES, CA 90011**
0.398 mi.
2099 ft. **Site 1 of 3 in cluster J**

Relative: **Higher**
Actual: **193 ft.**

ENVIROSTOR:

Name:	CENTRAL REGION ELEMENTARY SCHOOL #21
Address:	EAST 45TH STREET AND SOUTH CENTRAL AVENUE
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	60000819
Status:	Certified
Status Date:	06/03/2010
Site Code:	304591
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	2.74
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	59
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.0027
Longitude:	-118.2571
APN:	5108-026-007, 5108-026-008, 5108-026-011, 5108-026-012, 5108-026-013, 5108-026-014, 5108-026-023, 5108-026-029, 5108-026-033, 5108-026-034, 5108-026-035, 5108-026-900, 5108026007, 5108026008, 5108026011, 5108026012, 5108026013, 5108026014, 5108026023, 5108026029, 5108026033, 5108026034, 5108026035, 5108026900
Past Use:	DRY CLEANING, FUEL - VEHICLE STORAGE/ REFUELING, LAUNDRY SERVICES, MANUFACTURING - OTHER, RESIDENTIAL AREA, RETAIL - SERVICE STATION, VEHICLE MAINTENANCE
Potential COC:	Arsenic DDT Lead Polychlorinated biphenyls (PCBs Dieldrin
Confirmed COC:	Arsenic Lead DDT Dieldrin Polychlorinated biphenyls (PCBs
Potential Description:	SOIL, SV
Alias Name:	5108-026-007
Alias Type:	APN
Alias Name:	5108-026-008
Alias Type:	APN
Alias Name:	5108-026-011

CENTRAL REGION ELEMENTARY SCHOOL #21 (Continued) **S108974319**

Alias Type: APN
Alias Name: 5108-026-012
Alias Type: APN
Alias Name: 5108-026-013
Alias Type: APN
Alias Name: 5108-026-014
Alias Type: APN
Alias Name: 5108-026-023
Alias Type: APN
Alias Name: 5108-026-029
Alias Type: APN
Alias Name: 5108-026-033
Alias Type: APN
Alias Name: 5108-026-034
Alias Type: APN
Alias Name: 5108-026-035
Alias Type: APN
Alias Name: 5108-026-900
Alias Type: APN
Alias Name: 5108026007
Alias Type: APN
Alias Name: 5108026008
Alias Type: APN
Alias Name: 5108026011
Alias Type: APN
Alias Name: 5108026012
Alias Type: APN
Alias Name: 5108026013
Alias Type: APN
Alias Name: 5108026014
Alias Type: APN
Alias Name: 5108026023
Alias Type: APN
Alias Name: 5108026029
Alias Type: APN
Alias Name: 5108026033
Alias Type: APN
Alias Name: 5108026034
Alias Type: APN
Alias Name: 5108026035
Alias Type: APN
Alias Name: 5108026900
Alias Type: APN
Alias Name: 304591
Alias Type: Project Code (Site Code)
Alias Name: 60000819
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/13/2008
Comments: Phase I submitted for background information. Project Scoping document to follow

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

CENTRAL REGION ELEMENTARY SCHOOL #21 (Continued) **S108974319**

Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 05/15/2008
Comments: DTSC approved the PEA scoping document with comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 10/16/2008
Comments: DTSC approved the PEA with a Further Action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/10/2009
Comments: DTSC approved the RAW for implementation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 03/05/2009
Comments: DTSC approved the fact sheet

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 02/24/2009
Comments: DTSC accepted the community profile.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 02/24/2009
Comments: DTSC approved the public notice

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/03/2010
Comments: DTSC approved the Removal Action Completion Report with a No Further Action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 07/28/2009
Comments: signed 4.15 sent to district

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 06/09/2009
Comments: DTSC finalized the NOE concurrent with approval of the RAW for implementation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement

CENTRAL REGION ELEMENTARY SCHOOL #21 (Continued) **S108974319**

Completed Date:	08/18/2009
Comments:	Rec'd signed agreement from district
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	06/03/2010
Comments:	DTSC certified that the response action according to the DTSC-approved RAW is complete
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	06/03/2010
Comments:	DTSC prepared a project close out Cost Recovery Unit Memorandum
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Name:	CENTRAL REGION ELEMENTARY SCHOOL #21
Address:	EAST 45TH STREET AND SOUTH CENTRAL AVENUE
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	60000819
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	2.74
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304591
Assembly:	59
Senate:	30
Special Program Status:	Not reported
Status:	Certified
Status Date:	06/03/2010
Restricted Use:	NO
Funding:	School District
Latitude:	34.0027
Longitude:	-118.2571
APN:	5108-026-007, 5108-026-008, 5108-026-011, 5108-026-012, 5108-026-013, 5108-026-014, 5108-026-023, 5108-026-029, 5108-026-033, 5108-026-034, 5108-026-035, 5108-026-900, 5108026007, 5108026008, 5108026011, 5108026012, 5108026013, 5108026014, 5108026023, 5108026029,

CENTRAL REGION ELEMENTARY SCHOOL #21 (Continued) **S108974319**

	5108026033, 5108026034, 5108026035, 5108026900
Past Use:	DRY CLEANING, FUEL - VEHICLE STORAGE/ REFUELING, LAUNDRY SERVICES, MANUFACTURING - OTHER, RESIDENTIAL AREA, RETAIL - SERVICE STATION, VEHICLE MAINTENANCE
Potential COC:	Arsenic, DDT, Lead, Polychlorinated biphenyls (PCBs, Dieldrin
Confirmed COC:	Arsenic, Lead, DDT, Dieldrin, Polychlorinated biphenyls (PCBs
Potential Description:	SOIL, SV
Alias Name:	5108-026-007
Alias Type:	APN
Alias Name:	5108-026-008
Alias Type:	APN
Alias Name:	5108-026-011
Alias Type:	APN
Alias Name:	5108-026-012
Alias Type:	APN
Alias Name:	5108-026-013
Alias Type:	APN
Alias Name:	5108-026-014
Alias Type:	APN
Alias Name:	5108-026-023
Alias Type:	APN
Alias Name:	5108-026-029
Alias Type:	APN
Alias Name:	5108-026-033
Alias Type:	APN
Alias Name:	5108-026-034
Alias Type:	APN
Alias Name:	5108-026-035
Alias Type:	APN
Alias Name:	5108-026-900
Alias Type:	APN
Alias Name:	5108026007
Alias Type:	APN
Alias Name:	5108026008
Alias Type:	APN
Alias Name:	5108026011
Alias Type:	APN
Alias Name:	5108026012
Alias Type:	APN
Alias Name:	5108026013
Alias Type:	APN
Alias Name:	5108026014
Alias Type:	APN
Alias Name:	5108026023
Alias Type:	APN
Alias Name:	5108026029
Alias Type:	APN
Alias Name:	5108026033
Alias Type:	APN
Alias Name:	5108026034
Alias Type:	APN
Alias Name:	5108026035
Alias Type:	APN
Alias Name:	5108026900
Alias Type:	APN
Alias Name:	304591
Alias Type:	Project Code (Site Code)

CENTRAL REGION ELEMENTARY SCHOOL #21 (Continued) **S108974319**

Alias Name: 60000819
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/13/2008
Comments: Phase I submitted for background information. Project Scoping document to follow

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 05/15/2008
Comments: DTSC approved the PEA scoping document with comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 10/16/2008
Comments: DTSC approved the PEA with a Further Action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 06/10/2009
Comments: DTSC approved the RAW for implementation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 03/05/2009
Comments: DTSC approved the fact sheet

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 02/24/2009
Comments: DTSC accepted the community profile.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 02/24/2009
Comments: DTSC approved the public notice

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/03/2010
Comments: DTSC approved the Removal Action Completion Report with a No Further Action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 07/28/2009

CENTRAL REGION ELEMENTARY SCHOOL #21 (Continued) **S108974319**

Comments:	signed 4.15 sent to district
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Notice of Exemption
Completed Date:	06/09/2009
Comments:	DTSC finalized the NOE concurrent with approval of the RAW for implementation
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	School Cleanup Agreement
Completed Date:	08/18/2009
Comments:	Rec'd signed agreement from district
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	06/03/2010
Comments:	DTSC certified that the response action according to the DTSC-approved RAW is complete
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	06/03/2010
Comments:	DTSC prepared a project close out Cost Recovery Unit Memorandum
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

K45 **CHOES AUTO CENTRAL** **LUST** **S121307867**
NNW **4368 AVALON BLVD** **Cortese** **N/A**
1/4-1/2 **LOS ANGELES, CA 90011** **CERS**
0.398 mi.
2100 ft. **Site 1 of 2 in cluster K**

Relative: LUST:
Higher

Actual: Name:	CHOES AUTO CENTRAL
186 ft. Address:	4368 AVALON BLVD
City,State,Zip:	LOS ANGELES, CA 90011
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Type:	LUST Cleanup Site
Geo Track:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000011039
Global Id:	T10000011039
Latitude:	34.00427
Longitude:	-118.26474
Status:	Completed - Case Closed
Status Date:	08/28/2018
Case Worker:	AT
RB Case Number:	900110143

CHOES AUTO CENTRAL (Continued) **S121307867**

Local Agency: Not reported
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel, Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

LUST:
Global Id: T10000011039
Contact Type: Regional Board Caseworker
Contact Name: ARMAN TOUMARI
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 WEST 4TH STREET, SUITE 200
City: LOS ANGELES
Email: atoumari@waterboards.ca.gov
Phone Number: 2135766708

LUST:
Global Id: T10000011039
Action Type: ENFORCEMENT
Date: 06/15/2018
Action: Notification - Preclosure

Global Id: T10000011039
Action Type: ENFORCEMENT
Date: 11/06/2017
Action: Staff Letter

Global Id: T10000011039
Action Type: ENFORCEMENT
Date: 05/02/2018
Action: Staff Letter

Global Id: T10000011039
Action Type: RESPONSE
Date: 12/06/2017
Action: Correspondence

Global Id: T10000011039
Action Type: Other
Date: 03/18/2002
Action: Leak Stopped

Global Id: T10000011039
Action Type: RESPONSE
Date: 06/01/2018
Action: Site Assessment Report

Global Id: T10000011039
Action Type: ENFORCEMENT
Date: 02/21/2018
Action: Staff Letter

Global Id: T10000011039
Action Type: Other
Date: 10/20/2017
Action: Leak Discovery

CHOES AUTO CENTRAL (Continued) **S121307867**

Global Id: T10000011039
Action Type: ENFORCEMENT
Date: 10/20/2017
Action: Referral to Regional Board

Global Id: T10000011039
Action Type: ENFORCEMENT
Date: 08/28/2018
Action: Closure/No Further Action Letter

Global Id: T10000011039
Action Type: Other
Date: 10/20/2017
Action: Leak Reported

Global Id: T10000011039
Action Type: Other
Date: 10/20/2017
Action: Leak Began

LUST:
Global Id: T10000011039
Status: Open - Active
Status Date: 10/20/2017

Global Id: T10000011039
Status: Open - Case Begin Date
Status Date: 10/20/2017

Global Id: T10000011039
Status: Completed - Case Closed
Status Date: 08/28/2018

CORTESE:
Name: CHOES AUTO CENTRAL
Address: 4368 AVALON BLVD
City,State,Zip: LOS ANGELES, CA 90011
Region: CORTESE
Envirostor Id: Not reported
Global ID: T10000011039
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported

CHOES AUTO CENTRAL (Continued) **S121307867**

Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

CERS:
Name: CHOES AUTO CENTRAL
Address: 4368 AVALON BLVD
City,State,Zip: LOS ANGELES, CA 90011
Site ID: 427916
CERS ID: T10000011039
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: ARMAN TOUMARI - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 WEST 4TH STREET, SUITE 200
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: 2135766708

I46 **HARD CHROME PRODUCTS** **RESPONSE** **S103667025**
SSW **617 EAST 56TH STREET** **ENVIROSTOR** **N/A**
1/4-1/2 **LOS ANGELES, CA 90011** **Cortese**
0.411 mi. **CERS**
2172 ft. **Site 2 of 4 in cluster I**

Relative: **Lower**
Actual: **171 ft.**

RESPONSE:
Name: HARD CHROME PRODUCTS
Address: 617 EAST 56TH STREET
City,State,Zip: LOS ANGELES, CA 90011
Facility ID: 19340231
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 0.25
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Folashade Simpson
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Site Code: 908400
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 59
Senate: 30
Special Program Status: Not reported
Status: Active
Status Date: 07/01/2001
Restricted Use: NO
Funding: Orphan Funds
Latitude: 33.99183
Longitude: -118.2643
APN: 5103-012-020, 5103012020
Past Use: METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER
Potential COC : Lead Chromium III Chromium VI

HARD CHROME PRODUCTS (Continued) **S103667025**

Confirmed COC: Chromium III Chromium VI Lead
Potential Description: OTH, SED, SOIL
Alias Name: HARD CHROME PLATING
Alias Type: Alternate Name
Alias Name: 5103-012-020
Alias Type: APN
Alias Name: 5103012020
Alias Type: APN
Alias Name: CA0001095934
Alias Type: EPA Identification Number
Alias Name: 110009266258
Alias Type: EPA (FRS #)
Alias Name: 300457
Alias Type: Project Code (Site Code)
Alias Name: 308400
Alias Type: Project Code (Site Code)
Alias Name: 908400
Alias Type: Project Code (Site Code)
Alias Name: 19340231
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 07/30/2007
Comments: Completed and approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 06/30/1994
Comments: A Preliminary Endangerment Assessment Agreement for the site is signed by PRPs and DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/04/1982
Comments: Facility identified LA CHAM OF COMM BUS DIR 1963 Plating.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/06/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 01/03/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/27/2019
Comments: Not reported

HARD CHROME PRODUCTS (Continued) **S103667025**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 02/05/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 12/10/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 03/17/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 11/20/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/29/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 05/20/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 03/18/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 05/15/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Notice
Completed Date: 01/27/2015
Comments: Abstract of Judgment for Hard Chrome Products - Orange County

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract

HARD CHROME PRODUCTS (Continued) **S103667025**

Completed Date: 05/04/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Access Agreement
Completed Date: 04/12/2016
Comments: LAUSD Access Agreement finalized for access to LA Academy Middle School

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 11/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 08/07/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 04/27/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 10/30/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 04/28/2016
Comments: No Comment

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 02/28/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 02/11/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 05/08/2012
Comments: Not reported

HARD CHROME PRODUCTS (Continued) **S103667025**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 01/28/2014
Comments: Work Order for Tetra Tech to perform groundwater monitoring at HCP site

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 04/17/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 04/19/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 03/29/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 06/02/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 04/03/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Orphan Site Designation
Completed Date: 10/09/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 11/30/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 11/20/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

HARD CHROME PRODUCTS (Continued) **S103667025**

Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 09/30/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 05/10/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/19/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 06/02/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 01/28/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 01/31/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 01/01/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 06/30/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 12/31/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 05/22/2006
Comments: This was uploaded after completion of the Contract.

HARD CHROME PRODUCTS (Continued) **S103667025**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 08/20/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/29/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 05/08/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 01/10/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/20/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Field Order
Completed Date: 10/13/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 06/08/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/31/2007
Comments: Uploaded 02/03/2010

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 02/11/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract

HARD CHROME PRODUCTS (Continued) **S103667025**

Completed Date: 12/31/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 04/15/1994
Comments: PRPs hired Fero Engineering to conduct Phase II investiga- tion and Phase III Remediation at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/05/1992
Comments: On April 28, 1992, DTSC received a referral from LA County Haz Mat Control Program. The County attempted several times to resolve problems at the site and finally recommended DTSC to enter arbitration proceedings to cleanup the site. The site is contaminated with heavy metals. Subsurface investigations indicate acidic soils with lead and total chromium above STLC. A PEA is required because of the documented evidence of contamination at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 10/02/2007
Comments: RAP Completed. No comments were received during the 30-day public comment period which would affect the proposed remedy. The remedy as described in the RAP involves shallow soil excavation to remove some of the source areas and remaining features from the former chrome plating facility followed by Calcium Polysulfide injection into the vadose zone and groundwater to remediate the hexavalent chromium.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Design
Completed Date: 03/28/2005
Comments: DTSC installs additional groundwater monitoring well on Hard Chrome Site. Samples are collect for bench scale testing.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 05/20/2004
Comments: DTSC approves RI Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Design
Completed Date: 07/13/2006
Comments: Pilot Test workplan has been approved by DTSC

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 02/28/2007
Comments: FS completed and approved

HARD CHROME PRODUCTS (Continued) **S103667025**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 05/11/2010
Comments: Hard Chrome RACR Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/25/2008
Comments: Excavation, site restoration, and shallow vadose zone CPS well construction completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/30/2007
Comments: Fact Sheet announcing Public Comment period for Draft RAP finalized

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/23/2008
Comments: Groundwater sampling of Onsite groundwater monitoring wells at Hard Chrome was completed on 6/23/08.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 02/08/2008
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 02/08/2008
Comments: Hard Chrome Products Final Pilot Study Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 02/13/2012
Comments: Revised proposal reviewed, evaluated and approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed: Operating Properly & Successfully
Completed Date: 11/21/2012
Comments: Completion of Calcium Polysulfide injections at HCP Site

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/28/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE

HARD CHROME PRODUCTS (Continued) **S103667025**

Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 08/13/2012
Comments: Groundwater remedy implementation began

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 12/11/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/16/2014
Comments: 2nd Round of groundwater sampling completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/30/2017
Comments: 3rd Quarter WDR Groundwater Monitoring Report for Hard Chrome Finalized

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/30/2015
Comments: Final Tech Memo Workplan Reviewed and Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/27/2016
Comments: HCP Tech Memo Approval

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/04/2017
Comments: Final WDR Permit for Hard Chrome Products

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/30/2017
Comments: Phase III CPS Injections completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 07/28/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report

HARD CHROME PRODUCTS (Continued) **S103667025**

Completed Date: 06/28/1999
Comments: Preliminary Assessment with Sampling completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/06/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/07/1997
Comments: The Report of Completion for of the Interim Removal Action at the neighboring properties is approved. An estimate of 50 tons of contaminated surface soils are excavated, treated and disposed of off-site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 08/25/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 05/23/1996
Comments: The PA is completed and approved. The site is to be advanced to the SI stage of evaluation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/25/1995
Comments: PEA review complete. PEA indicates contamination of total Cr (42,000 mg/kg at 10'bgs), Cr6 (2,300 mg.kg at 2.5'bgs), soluable Pb (22.5 mg/l at 15'bgs) and acid waste were identified at the site Groundwater contamination of total Cr (208 mg/l) and Cr6 (192 mg/l) was also confirmed. Depth to groundwater was measured at 156'bgs. Temporary stabilization measures described in the report, including the removal of top stained soils, placement of asphalt cover for the entire site and installation of one on-site monitoring well appear to be satisfactory. Further action in the form of a Deed Restriction, cap maintenance, and groundwater monitoring is necessary. RP has been informed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fence & Post Order
Completed Date: 08/24/1998
Comments: DTSC issues an order to the current property owner (and other RPs) to Fence and Post the property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption

HARD CHROME PRODUCTS (Continued) **S103667025**

Completed Date:	08/25/1997
Comments:	An interim removal action workplan (RAW) is approved on 8/25/97. A notice of exemption (NOE) is approved and filed with the OPR as required by CEQA laws and guidelines (8/25/97). The RAW includes excavation, treatment and disposal of contaminated soils in the neighboring properties of the Hard Chrome Products property.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date:	03/07/1997
Comments:	DTSC issued an Imminent and Substantial Endangerment Determination and Remedial Action Order.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	PROJECT WIDE
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Site Characterization Report
Schedule Due Date:	10/28/2021
Schedule Revised Date:	04/08/2022

ENVIROSTOR:

Name:	HARD CHROME PRODUCTS
Address:	617 EAST 56TH STREET
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	19340231
Status:	Active
Status Date:	07/01/2001
Site Code:	908400
Site Type:	State Response
Site Type Detailed:	State Response or NPL
Acres:	0.25
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Folashade Simpson
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Orphan Funds
Latitude:	33.99183
Longitude:	-118.2643
APN:	5103-012-020, 5103012020
Past Use:	METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER
Potential COC:	Lead Chromium III Chromium VI
Confirmed COC:	Chromium III Chromium VI Lead
Potential Description:	OTH, SED, SOIL
Alias Name:	HARD CHROME PLATING
Alias Type:	Alternate Name
Alias Name:	5103-012-020

HARD CHROME PRODUCTS (Continued) **S103667025**

Alias Type: APN
Alias Name: 5103012020
Alias Type: APN
Alias Name: CA0001095934
Alias Type: EPA Identification Number
Alias Name: 110009266258
Alias Type: EPA (FRS #)
Alias Name: 300457
Alias Type: Project Code (Site Code)
Alias Name: 308400
Alias Type: Project Code (Site Code)
Alias Name: 908400
Alias Type: Project Code (Site Code)
Alias Name: 19340231
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 07/30/2007
Comments: Completed and approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 06/30/1994
Comments: A Preliminary Endangerment Assessment Agreement for the site is signed by PRPs and DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 03/04/1982
Comments: Facility identified LA CHAM OF COMM BUS DIR 1963 Plating.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/06/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 01/03/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/27/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 02/05/2019

HARD CHROME PRODUCTS (Continued) **S103667025**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 12/10/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 03/17/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 11/20/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/29/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 05/20/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 03/18/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 05/15/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Notice
Completed Date: 01/27/2015
Comments: Abstract of Judgment for Hard Chrome Products - Orange County

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 05/04/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE

HARD CHROME PRODUCTS (Continued) **S103667025**

Completed Sub Area Name: Not reported
Completed Document Type: Access Agreement
Completed Date: 04/12/2016
Comments: LAUSD Access Agreement finalized for access to LA Academy Middle School

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 11/21/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Decree
Completed Date: 08/07/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 04/27/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 10/30/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 04/28/2016
Comments: No Comment

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 02/28/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 02/11/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 05/08/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order

HARD CHROME PRODUCTS (Continued) **S103667025**

Completed Date: 01/28/2014
Comments: Work Order for Tetra Tech to perform groundwater monitoring at HCP site

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 04/17/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 04/19/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 03/29/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 06/02/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 04/03/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Orphan Site Designation
Completed Date: 10/09/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 11/30/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 11/20/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 09/30/2013
Comments: Not reported

HARD CHROME PRODUCTS (Continued) **S103667025**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 05/10/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/19/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 06/02/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 01/28/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 01/31/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 01/01/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 06/30/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 12/31/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 05/22/2006
Comments: This was uploaded after completion of the Contract.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract

HARD CHROME PRODUCTS (Continued) **S103667025**

Completed Date: 08/20/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/29/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 05/08/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 01/10/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/20/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Field Order
Completed Date: 10/13/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 06/08/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/31/2007
Comments: Uploaded 02/03/2010

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 02/11/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/31/2009
Comments: Not reported

HARD CHROME PRODUCTS (Continued) **S103667025**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 04/15/1994
Comments: PRPs hired Fero Engineering to conduct Phase II investiga- tion and Phase III Remediation at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/05/1992
Comments: On April 28, 1992, DTSC received a referral from LA County Haz Mat Control Program. The County attempted several times to resolve problems at the site and finally recommended DTSC to enter arbitration proceedings to cleanup the site. The site is contaminated with heavy metals. Subsurface investigations indicate acidic soils with lead and total chromium above STLC. A PEA is required because of the documented evidence of contamination at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 10/02/2007
Comments: RAP Completed. No comments were received during the 30-day public comment period which would affect the proposed remedy. The remedy as described in the RAP involves shallow soil excavation to remove some of the source areas and remaining features from the former chrome plating facility followed by Calcium Polysulfide injection into the vadose zone and groundwater to remediate the hexavalent chromium.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Design
Completed Date: 03/28/2005
Comments: DTSC installs additional groundwater monitoring well on Hard Chrome Site. Samples are collect for bench scale testing.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 05/20/2004
Comments: DTSC approves RI Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Design
Completed Date: 07/13/2006
Comments: Pilot Test workplan has been approved by DTSC

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 02/28/2007
Comments: FS completed and approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

HARD CHROME PRODUCTS (Continued) **S103667025**

Completed Document Type: Remedial Action Completion Report
Completed Date: 05/11/2010
Comments: Hard Chrome RACR Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/25/2008
Comments: Excavation, site restoration, and shallow vadose zone CPS well construction completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/30/2007
Comments: Fact Sheet announcing Public Comment period for Draft RAP finalized

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/23/2008
Comments: Groundwater sampling of Onsite groundwater monitoring wells at Hard Chrome was completed on 6/23/08.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 02/08/2008
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 02/08/2008
Comments: Hard Chrome Products Final Pilot Study Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 02/13/2012
Comments: Revised proposal reviewed, evaluated and approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed: Operating Properly & Successfully
Completed Date: 11/21/2012
Comments: Completion of Calcium Polysulfide injections at HCP Site

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 06/28/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork

HARD CHROME PRODUCTS (Continued) **S103667025**

Completed Date: 08/13/2012
Comments: Groundwater remedy implementation began

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 12/11/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 07/16/2014
Comments: 2nd Round of groundwater sampling completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/30/2017
Comments: 3rd Quarter WDR Groundwater Monitoring Report for Hard Chrome Finalized

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/30/2015
Comments: Final Tech Memo Workplan Reviewed and Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 06/27/2016
Comments: HCP Tech Memo Approval

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/04/2017
Comments: Final WDR Permit for Hard Chrome Products

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/30/2017
Comments: Phase III CPS Injections completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 07/28/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 06/28/1999
Comments: Preliminary Assessment with Sampling completed.

HARD CHROME PRODUCTS (Continued) **S103667025**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 10/06/1998
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/07/1997
Comments: The Report of Completion for of the Interim Removal Action at the neighboring properties is approved. An estimate of 50 tons of contaminated surface soils are excavated, treated and disposed of off-site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 08/25/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 05/23/1996
Comments: The PA is completed and approved. The site is to be advanced to the SI stage of evaluation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/25/1995
Comments: PEA review complete. PEA indicates contamination of total Cr (42,000 mg/kg at 10'bgs), Cr6 (2,300 mg.kg at 2.5'bgs), soluable Pb (22.5 mg/l at 15'bgs) and acid waste were identified at the site Groundwater contamination of total Cr (208 mg/l) and Cr6 (192 mg/l) was also confirmed. Depth to groundwater was measured at 156'bgs. Temporary stabilization measures described in the report, including the removal of top stained soils, placement of asphalt cover for the entire site and installation of one on-site monitoring well appear to be satisfactory. Further action in the form of a Deed Restriction, cap maintenance, and groundwater monitoring is necessary. RP has been informed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fence & Post Order
Completed Date: 08/24/1998
Comments: DTSC issues an order to the current property owner (and other RPs) to Fence and Post the property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 08/25/1997
Comments: An interim removal action workplan (RAW) is approved on 8/25/97. A notice of exemption (NOE) is approved and filed with the OPR as

HARD CHROME PRODUCTS (Continued) **S103667025**

required by CEQA laws and guidelines (8/25/97). The RAW includes excavation, treatment and disposal of contaminated soils in the neighboring properties of the Hard Chrome Products property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 03/07/1997
Comments: DTSC issued an Imminent and Substantial Endangerment Determination and Remedial Action Order.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Site Characterization Report
Schedule Due Date: 10/28/2021
Schedule Revised Date: 04/08/2022

CORTESE:
Name: HARD CHROME PRODUCTS
Address: 617 EAST 56TH STREET
City,State,Zip: LOS ANGELES, CA 90011
Region: CORTESE
Envirostor Id: 19340231
Global ID: Not reported
Site/Facility Type: STATE RESPONSE
Cleanup Status: ACTIVE
Status Date: 07/01/2001
Site Code: 300457, 308400, 908400
Latitude: 33.991836
Longitude: -118.26436
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: envirostor
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Haz Waste & Substances Sites

CERS:
Name: HARD CHROME PRODUCTS
Address: 617 EAST 56TH STREET
City,State,Zip: LOS ANGELES, CA 90011
Site ID: 338124
CERS ID: 19340231
CERS Description: State Response

Affiliation:
Affiliation Type Desc: Lead Project Manager

HARD CHROME PRODUCTS (Continued) **S103667025**

Entity Name:	FOLASHADE SIMPSON
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	CHATSWORTH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported
Affiliation Type Desc:	Supervisor
Entity Name:	JULI PROPES
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

I47 **HARD CHROME PRODUCTS** **SEMS** **1000984435**
SSW **6028 HOOPER AVENUE** **HIST Cal-Sites** **CA0001095934**
1/4-1/2 **LOS ANGELES, CA 90011** **SWEEPS UST**
0.411 mi. **HIST UST**
2172 ft. **Site 3 of 4 in cluster I** **CA FID UST**
HAZMAT
Relative: **NON-CASE INFO**
Lower

Actual: **171 ft.**

SEMS:

Site ID:	0905242
EPA ID:	CA0001095934
Name:	HARD CHROME PRODUCTS
Address:	6028 HOOPER AVENUE
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90011
Cong District:	25
FIPS Code:	06037
Latitude:	Not reported
Longitude:	Not reported
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Other Cleanup Activity: State-Lead Cleanup

SEMS Detail:

Region:	09
Site ID:	0905242
EPA ID:	CA0001095934
Site Name:	HARD CHROME PRODUCTS
NPL:	N
FF:	N
OU:	00
Action Code:	OO
Action Name:	SITE REASS
SEQ:	1
Start Date:	Not reported
Finish Date:	3/7/1997 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

HARD CHROME PRODUCTS (Continued) **1000984435**

Region:	09
Site ID:	0905242
EPA ID:	CA0001095934
Site Name:	HARD CHROME PRODUCTS
NPL:	N
FF:	N
OU:	00
Action Code:	OO
Action Name:	SITE REASS
SEQ:	2
Start Date:	Not reported
Finish Date:	8/9/2006 4:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0905242
EPA ID:	CA0001095934
Site Name:	HARD CHROME PRODUCTS
NPL:	N
FF:	N
OU:	00
Action Code:	VA
Action Name:	OTHR CLEANUP
SEQ:	2
Start Date:	2006-08-09 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	St Perf

Region:	09
Site ID:	0905242
EPA ID:	CA0001095934
Site Name:	HARD CHROME PRODUCTS
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1995-04-21 04:00:00
Finish Date:	4/21/1995 4:00:00 AM
Qual:	Not reported
Current Action Lead:	St Perf

Region:	09
Site ID:	0905242
EPA ID:	CA0001095934
Site Name:	HARD CHROME PRODUCTS
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	6/28/1999 4:00:00 AM

HARD CHROME PRODUCTS (Continued) **1000984435**

Qual: L
Current Action Lead: St Perf

Calsite:
Name: HARD CHROME PRODUCTS
Address: 617 EAST 56TH STREET
City: LOS ANGELES
Region: GLENDALE
Facility ID: 19340231
Facility Type: STATE
Type: STATE FUNDED SITE
Branch: SA
Branch Name: SO CAL - GLENDALE
File Name: HARD CHROME PRODUCTS
State Senate District: 07012001
Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name: ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not Listed
SIC Code: 34
SIC Name: MANU - FABRICATED METAL PRODUCTS
Access: Controlled
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
Staff Member Responsible for Site: TYARGEAU
Supervisor Responsible for Site: Not reported
Region Water Control Board: LA
Region Water Control Board Name: LOS ANGELES
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: BASE & MERID
State Assembly District Code: 52
State Senate District Code: 22
Facility ID: 19340231
Activity: DISC
Activity Name: DISCOVERY
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 03041982
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: AWP
Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported

HARD CHROME PRODUCTS (Continued) **1000984435**

For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340231
Activity:	SS
Activity Name:	SITE SCREENING
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	05051992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340231
Activity:	ERA
Activity Name:	EXPEDITED RESPONSE ACTION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04151994
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340231
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	VCP
Proposed Budget:	0

HARD CHROME PRODUCTS (Continued) **1000984435**

AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	06301994
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340231
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	04251995
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340231
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	I&SE
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	03071997
Est Person-Yrs to complete:	0
Estimated Size:	M
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0

HARD CHROME PRODUCTS (Continued) **1000984435**

Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340231
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	08251997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340231
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	08251997
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0

HARD CHROME PRODUCTS (Continued) **1000984435**

Unknown Type:	0
Facility ID:	19340231
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	#1
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	11071997
Est Person-Yrs to complete:	0
Estimated Size:	S
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	X
Removal Action Certification:	N
Activity Comments:	PARTIALLY NEW FENCES INSTALLED.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340231
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	F&P
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	08241998
Est Person-Yrs to complete:	0
Estimated Size:	S
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340231
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	#2
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	10061998

HARD CHROME PRODUCTS (Continued) **1000984435**

Est Person-Yrs to complete:	0
Estimated Size:	S
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	X
Removal Action Certification:	N
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340231
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	03302005
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340231
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	06302007
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported

HARD CHROME PRODUCTS (Continued) **1000984435**

Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340231
Activity:	RMDL
Activity Name:	REMEDIAL ACTION (RAP REQUIRED)
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	12302006
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	19340231
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	12302005
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	617 EAST 56TH STREET
Alternate City,St,Zip:	LOS ANGELES, CA 90011

HARD CHROME PRODUCTS (Continued) **1000984435**

Background Info:	The site is approximately 85' by 140' in size. The site was used as a plating shop from 1940 to 1991. The highest reported contaminants in soil are: total CR (42,400 mg/kg), CR VI (2300 mg/kg), and Pb (976 mg/kg). The site is currently devoid of any structures and is fenced and capped with asphalt. The primary land use to the northeast and east of the site is residential, to the north and west are commerical and light industrial, to the south across 56th Street is the Los Angeles Academy (Formerly known as the Jefferson New Middle School). The west half of the site is zoned M-1 and the eastern half is R-2.
	Not reported
	In 2002, DTSC obtained state funds to complete a Remedial Investigation/Feasibility Study and Risk Assessment for the Site. Fieldwork, which includes the installation of on and offsite groundwater monitoring wells will be completed in early 2003. Once the report and Risk Assessment are finalized a Remedial Action Plan will be developed to address the contamination at the Site.
Comments Date:	01082003
Comments:	DTSC submits comments on draft Remedial Investigation Report.
Comments Date:	01082003
Comments:	Determines that an additional well on 54th Street is necessary
Comments Date:	01082003
Comments:	to complete the Remedial Investigation.
Comments Date:	01202000
Comments:	DTSC receives the Soil Vapor Well Installation and Sampling
Comments Date:	01202000
Comments:	Work Plan for the Hard Chrome Products Site.
Comments Date:	02032002
Comments:	The two borings on 56th Street nested vapor probes completed
Comments Date:	02032002
Comments:	as part of Phase III investigation activities.
Comments Date:	02052003
Comments:	DTSC receives Phase III report from Hard Chrome Products RP.
Comments Date:	02052003
Comments:	DTSC currently reviewing.
Comments Date:	03041982
Comments:	Facility identified LA CHAM OF COMM BUS DIR 1963 Plating.
Comments Date:	03071997
Comments:	DTSC issued an Imminent and Substantial Endangerment
Comments Date:	03071997
Comments:	Determination and Remedial Action Order.
Comments Date:	03071997
Comments:	Not reported
Comments Date:	03142000
Comments:	DTSC issues comments on the Soil Vapor and Sampling Work Plan.
Comments Date:	03232001
Comments:	DTSC reviews and issues comments on the Phase II RI Report for
Comments Date:	03232001
Comments:	the Hard Chrome Products Site.
Comments Date:	03281996
Comments:	US EPA decides to advance the site to the Site Inspection (SI)
Comments Date:	03281996
Comments:	stage. Field sampling activities will be conducted by Fero
Comments Date:	03281996
Comments:	Engineering (PRP consultant) under oversight of DTSC and US EPA.

HARD CHROME PRODUCTS (Continued) **1000984435**

Comments Date:	03282005
Comments:	DTSC installs additional groundwater monitoring well on Hard
Comments Date:	03282005
Comments:	Chrome site. Samples also collected for bench scale test.
Comments Date:	04151994
Comments:	An interim remedial measure/removal action (IRM/RA) is completed
Comments Date:	04151994
Comments:	at a cost of about $66,000. These IRM/RA activities included
Comments Date:	04151994
Comments:	barricading the buildings and cleaning the property by the Los
Comments Date:	04151994
Comments:	Angeles City Building and Safety Dept. (BSD); demolition of
Comments Date:	04151994
Comments:	unsafe buildings by BSD; removal and disposal of hazardous
Comments Date:	04151994
Comments:	materials containing lead and chrome by PRPs; and fencing the
Comments Date:	04151994
Comments:	property by BSD to restrict unauthorized entry. The site is
Comments Date:	04151994
Comments:	currently a vacant lot secured by fences and gates. Negotiations
Comments Date:	04151994
Comments:	are in progress with PRPs to prepare a PEA.
Comments Date:	04152002
Comments:	Fieldwork in support of DTSC's investigation efforts commences.
Comments Date:	04152002
Comments:	Fieldwork is scheduled to last until June 2002.
Comments Date:	04192001
Comments:	DTSC receives request for 30-day extension to respond to DTSC
Comments Date:	04192001
Comments:	comments on the Phase II RI Report.
Comments Date:	04232001
Comments:	DTSC grants 30-day extension to respond to comments.
Comments Date:	04251995
Comments:	PEA review complete. PEA indicates contamination of total Cr
Comments Date:	04251995
Comments:	(42,000 mg/kg at 10'bgs), Cr6 (2,300 mg.kg at 2.5'bgs), soluable
Comments Date:	04251995
Comments:	Not reported
Comments Date:	04251995
Comments:	Pb (22.5 mg/l at 15'bgs) and acid waste were identified at the
Comments Date:	04251995
Comments:	site Groundwater contamination of total Cr (208 mg/l) and Cr6
Comments Date:	04251995
Comments:	(192 mg/l) was also confirmed. Depth to groundwater was measured
Comments Date:	04251995
Comments:	at 156'bgs. Temporary stabilization measures described in the
Comments Date:	04251995
Comments:	report, including the removal of top stained soils, placement of
Comments Date:	04251995
Comments:	asphalt cover for the entire site and installation of one on-site
Comments Date:	04251995
Comments:	monitoring well appear to be satisfactory. Further action in the
Comments Date:	04251995
Comments:	form of a Deed Restriction, cap maintenance, and groundwater
Comments Date:	04251995
Comments:	monitoring is necessary. RP has been informed.
Comments Date:	05051992

HARD CHROME PRODUCTS (Continued) **1000984435**

Comments:	On April 28, 1992, DTSC received a referral from LA County Haz
Comments Date:	05051992
Comments:	Mat Control Program. The County attempted several times to
Comments Date:	05051992
Comments:	resolve problems at the site and finally recommended DTSC to
Comments Date:	05051992
Comments:	enter arbitration proceedings to cleanup the site. The site is
Comments Date:	05051992
Comments:	contaminated with heavy metals. Subsurface investigations
Comments Date:	05051992
Comments:	indicate acidic soils with lead and total chromium above STLC.
Comments Date:	05051992
Comments:	A PEA is required because of the documented evidence of
Comments Date:	05051992
Comments:	contamination at the site.
Comments Date:	05181982
Comments:	QUESTIONNAIRE SENT.
Comments Date:	05202004
Comments:	DTSC approves Remedial Investigation report.
Comments Date:	05231996
Comments:	The PA is completed and approved. The site is to be
Comments Date:	05231996
Comments:	advanced to the SI stage of evaluation.
Comments Date:	05231996
Comments:	Not reported
Comments Date:	05312001
Comments:	DTSC meets with some of the Hard Chrome Products RP's to
Comments Date:	05312001
Comments:	discuss the additional work that will be necessary to adequately
Comments Date:	05312001
Comments:	characterize the Site. RP's agree to put a report together that
Comments Date:	05312001
Comments:	summarizes the work that has already been perfomed for the Site
Comments Date:	05312001
Comments:	and also identify data gaps.
Comments Date:	06012000
Comments:	Phase II Remedial Investigation (RI) Work Plan submitted to DTSC
Comments Date:	06012000
Comments:	for review and comment.
Comments Date:	06162000
Comments:	DTSC issues comments on the Phase II RI Work Plan.
Comments Date:	06281999
Comments:	Preliminary Assessment with Sampling completed.
Comments Date:	06301994
Comments:	A Preliminary Endangerment Assessment Agreement for the
Comments Date:	06301994
Comments:	site is signed by PRPs and DTSC.
Comments Date:	07061995
Comments:	Preliminary Assessment (PA) is being conducted by DTSC under
Comments Date:	07061995
Comments:	contract with U.S. EPA.
Comments Date:	07302001
Comments:	DTSC receives Phase III RI Workplan.
Comments Date:	08241998
Comments:	DTSC issues an order to the current property owner
Comments Date:	08241998
Comments:	(and other RPs) to Fence and Post the property.

HARD CHROME PRODUCTS (Continued) **1000984435**

Comments Date:	08251997
Comments:	An interim removal action workplan (RAW) is approved on 8/25/97.
Comments Date:	08251997
Comments:	A notice of exemption (NOE) is approved and filed with the OPR
Comments Date:	08251997
Comments:	as required by CEQA laws and guidelines (8/25/97). The RAW
Comments Date:	08251997
Comments:	includes excavation, treatment and disposal of contaminated soils
Comments Date:	08251997
Comments:	in the neighboring properties of the Hard Chrome Products
Comments Date:	08251997
Comments:	property.
Comments Date:	09132001
Comments:	DTSC issues comments on the Phase III RI Workplan.
Comments Date:	09281994
Comments:	PRPs hired Fero Engineering to conduct Phase II investiga-
Comments Date:	09281994
Comments:	tion and Phase III Remediation at the site.
Comments Date:	10061998
Comments:	1) Removal of 5 drums of hazardous wastes/materials (LAUSD)
Comments Date:	10061998
Comments:	2) Install and fix fences (ERU)
Comments Date:	10061998
Comments:	3) Install a new gate (ERU)
Comments Date:	10061998
Comments:	4) Post hazardous waste warning signs (ERU/SMB)
Comments Date:	10061998
Comments:	**********
Comments Date:	10061998
Comments:	ERU (Emergency Response Unit).
Comments Date:	10082002
Comments:	Draft Remedial Investigation Report Submitted to DTSC.
Comments Date:	10121982
Comments:	Facility drive-by. Part of Hardchrome Products complex appears to
Comments Date:	10121982
Comments:	have work area in back and office space in front. No visible
Comments Date:	10121982
Comments:	problems.
Comments Date:	10182001
Comments:	DTSC receives response to comments on Phase III Workplan which
Comments Date:	10182001
Comments:	provides for additional site characterization activities.
Comments Date:	10302000
Comments:	Phase II RI Report submitted to DTSC for review and comment.
Comments Date:	11071997
Comments:	The Report of Completion for of the Interim Removal
Comments Date:	11071997
Comments:	Action at the neighboring properties is approved. An estimate
Comments Date:	11071997
Comments:	of 50 tons of contaminated surface soils are excavated, treated
Comments Date:	11071997
Comments:	and disposed of off-site.
Comments Date:	11072001
Comments:	DTSC approves Phase III Workplan which provides for additional
Comments Date:	11072001
Comments:	site characterization activities.
Comments Date:	11072001

HARD CHROME PRODUCTS (Continued) **1000984435**

Comments: Not reported
Comments Date: 11122001
Comments: Phase III work begins at Hard Chrome Products. Completion of
Comments Date: 11122001
Comments: work is anticipated by the end of December 2001.
Comments Date: 11122001
Comments: Not reported
Comments Date: 11162001
Comments: Completion of four onsite borings on Hard Chrome Products site
Comments Date: 11162001
Comments: as part of Phase III investigation activities.
Comments Date: 12011996
Comments: US EPA suspended the Site Inspection work at the site. Two
Comments Date: 12011996
Comments: previous property owners will continue their investigation work,
Comments Date: 12011996
Comments: including installation of 2 groundwater monitoring wells and soil
Comments Date: 12011996
Comments: sampling of the neighboring properties under DTSC's oversight
Comments Date: 12011996
Comments: through a VCP agreement. Cr+6 was detected at 2.2 ppb at the
Comments Date: 12011996
Comments: nearest drinking water well located approximately 1/4 mile
Comments Date: 12011996
Comments: from the site. Total Cr and TCE were detected in the
Comments Date: 12011996
Comments: groundwater underlying the Los Angeles Academy.
Comments Date: 12011996
Comments: Not reported
Comments Date: 12162002
Comments: Additional offsite groundwater monitoring well installed on
Comments Date: 12162002
Comments: 54th Street.
ID Name: CALSTARS CODE
ID Value: 300457
ID Name: EPA IDENTIFICATION NUMBER
ID Value: CAO001095942
Alternate Name: HARD CHROME PRODUCTS
Alternate Name: Not reported
Special Programs Code: Not reported
Special Programs Name: Not reported

SWEEPS UST:
Name: HARD CHROME PRODUCTS COMPANY
Address: 617 E 56TH ST
City: LOS ANGELES
Status: Not reported
Comp Number: 3130
Number: Not reported
Board Of Equalization: 44-012803
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-003130-000001
Tank Status: Not reported
Capacity: 600

HARD CHROME PRODUCTS (Continued) **1000984435**

Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: 1

HIST UST:
Name: HARD CHROME PRODUCTS COMPANY
Address: 617 E 56TH ST
City,State,Zip: LOS ANGELES, CA 90011
File Number: 000274F0
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/000274F0.pdf
Region: STATE
Facility ID: 00000055916
Facility Type: Other
Other Type: CHROME PLATING
Contact Name: DAN ISAACSON
Telephone: 2132314297
Owner Name: DADAN, INC. DBA HARD CHROME PR
Owner Address: 617 E. 56TH STREET
Owner City,St,Zip: LOS ANGELES, CA 90011
Total Tanks: 0001

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000600
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 19016892
Regulated By: UTNKI
Regulated ID: 00055916
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2132314297
Mail To: Not reported
Mailing Address: 617 E 56TH ST
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900110000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Inactive

LOS ANGELES HM:
Name: HARD CHROME PRODUCTS CO
Address: 617 E 56TH ST

HARD CHROME PRODUCTS (Continued) **1000984435**

City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	FA0002118
Last Run Date:	04/19/2021
Status:	INACTIVE

NON-CASE INFO:

Name:	HARD CHROME PRODUCTS
Address:	617 EAST 56TH STREET
City,State,Zip:	LOS ANGELES, CA 90011
Global ID:	T10000013488
Case Type:	Non-Case Information
Status:	Pending Review
Status Date:	09/23/2019
Lead Agency:	LOS ANGELES RWQCB (REGION 4)
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	Not reported
Loc Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	2019-09-23 00:00:00
How Discovered:	Not reported
How Discovered Description:	Not reported
Stop Method:	Not reported
Stop Description:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Geotracker:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T10000013488

K48 **W'S METAL RECYCLING CENTER** **SWRCY** **S127815592**
NNW **4363 AVALON BLVD** **N/A**
1/4-1/2 **LOS ANGELES, CA 90011**
0.419 mi.
2210 ft. **Site 2 of 2 in cluster K**

Relative:
Higher

Actual:
185 ft.

SWRCY:

Name:	W'S METAL RECYCLING CENTER
Address:	4363 AVALON BLVD
City,State,Zip:	LOS ANGELES, CA 90011
Reg Id:	Not reported
Cert Id:	RC304892.001
Mailing Address:	7401 Maie Ave
Mailing City:	Los Angeles
Mailing State:	CA
Mailing Zip Code:	90001
Website:	Not reported
Email:	walter.gonzalez30@yahoo.com
Phone Number:	(323) 346-7463
Rural:	N
Operation Begin Date:	06/03/2021
Aluminium:	Not reported
Glass:	Not reported
Plastic:	Not reported
Bimetal:	Not reported
Hours of Operation:	Mon - Fri 7:30 am - 6:00 pm, Closed 12:00-12:30 pm; Sat 7:30 am - 5:00

W'S METAL RECYCLING CENTER (Continued) **S127815592**

pm, Closed 12:00-12:30 pm; Sun 7:30 am - 5:00 pm
Organization ID: Not reported
Organization Name: W's Metal Recycling Center

J49 **ARCO #5225** **HIST CORTESE** **S103659850**
NE **4424 CENTRAL** **N/A**
1/4-1/2 **LOS ANGELES, CA 90011**
0.422 mi.
2227 ft. **Site 2 of 3 in cluster J**

Relative:
Higher

Actual:
193 ft.

HIST CORTESE:
edr_fname: ARCO #5225
edr_fadd1: 4424 CENTRAL
City,State,Zip: LOS ANGELES, CA 90011
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900110107

J50 **ARCO #5225** **LUST** **S101296941**
NE **4424 CENTRAL AVE S** **Cortese** **N/A**
1/4-1/2 **LOS ANGELES, CA 90011** **CERS**
0.422 mi.
2227 ft. **Site 3 of 3 in cluster J**

Relative:
Higher

Actual:
193 ft.

LUST:
Name: ARCO #5225
Address: 4424 CENTRAL AVE S
City,State,Zip: LOS ANGELES, CA 90011
Lead Agency: LOS ANGELES, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700499
Global Id: T0603700499
Latitude: 34.003292
Longitude: -118.256097
Status: Completed - Case Closed
Status Date: 03/24/1997
Case Worker: EL
RB Case Number: 900110107
Local Agency: LOS ANGELES, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:
Global Id: T0603700499
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603700499

ARCO #5225 (Continued) **S101296941**

Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

LUST:
Global Id: T0603700499
Action Type: Other
Date: 01/30/1992
Action: Leak Reported

Global Id: T0603700499
Action Type: Other
Date: 01/24/1992
Action: Leak Stopped

Global Id: T0603700499
Action Type: Other
Date: 01/28/1992
Action: Leak Discovery

LUST:
Global Id: T0603700499
Status: Open - Case Begin Date
Status Date: 01/24/1992

Global Id: T0603700499
Status: Open - Site Assessment
Status Date: 01/30/1992

Global Id: T0603700499
Status: Completed - Case Closed
Status Date: 03/24/1997

LUST REG 4:
Region: 4
Regional Board: 04
County: Los Angeles
Facility Id: 900110107
Status: Case Closed
Substance: Gasoline
Substance Quantity: Not reported
Local Case No: Not reported
Case Type: Soil
Abatement Method Used at the Site: Not reported
Global ID: T0603700499
W Global ID: Not reported
Staff: UNK
Local Agency: 19050
Cross Street: 045TH ST
Enforcement Type: Not reported
Date Leak Discovered: 1/28/1992

ARCO #5225 (Continued) **S101296941**

Date Leak First Reported:		1/30/1992
Date Leak Record Entered:	3/9/1992	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	1/24/1992	
Date Case Last Changed on Database:		3/24/1997
Date the Case was Closed:		3/24/1997
How Leak Discovered:	Inventory Control	
How Leak Stopped:	Not reported	
Cause of Leak:	UNK	
Leak Source:	Piping	
Operator:	P.S.I. #722	
Water System:	Not reported	
Well Name:	Not reported	
Approx. Dist To Production Well (ft):		6823.193805959163012769171686 8
Source of Cleanup Funding:		Piping
Preliminary Site Assessment Workplan Submitted:		Not reported
Preliminary Site Assessment Began:		1/30/1992
Pollution Characterization Began:		Not reported
Remediation Plan Submitted:		Not reported
Remedial Action Underway:		Not reported
Post Remedial Action Monitoring Began:		Not reported
Enforcement Action Date:		Not reported
Historical Max MTBE Date:		Not reported
Hist Max MTBE Conc in Groundwater:		Not reported
Hist Max MTBE Conc in Soil:		Not reported
Significant Interim Remedial Action Taken:		Not reported
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Organization:	Not reported	
Owner Contact:	Not reported	
Responsible Party:	ARCO PRODUCTS CO.	
RP Address:	4424 S CENTRAL AVE, LOS ANGELES, 90011	
Program:	LUST	
Lat/Long:	34.0037042 / -1	
Local Agency Staff:	PEJ	
Beneficial Use:	Not reported	
Priority:	Not reported	
Cleanup Fund Id:	Not reported	
Suspended:	Not reported	
Assigned Name:	Not reported	
Summary:	Not reported	

CORTESE:

Name:	ARCO #5225
Address:	4424 CENTRAL AVE S
City,State,Zip:	LOS ANGELES, CA 90011
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603700499
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported

ARCO #5225 (Continued) **S101296941**

Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

CERS:

Name:	ARCO #5225
Address:	4424 CENTRAL AVE S
City,State,Zip:	LOS ANGELES, CA 90011
Site ID:	230415
CERS ID:	T0603700499
CERS Description:	Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc:	Regional Board Caseworker
Entity Name:	YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title:	Not reported
Affiliation Address:	320 W. 4TH ST., SUITE 200
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

Affiliation Type Desc:	Local Agency Caseworker
Entity Name:	ELOY LUNA - LOS ANGELES, CITY OF
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Suite 1780
Affiliation City:	LOS ANGELES
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

I51 **HARD CHROME DISCOVERY PROJECT** **ENVIROSTOR** **S118757151**
SSW **VICINITY OF EAST 56TH STREET & AVALON BLVD.** **N/A**
1/4-1/2 **LOS ANGELES, CA 90011**
0.424 mi.
2237 ft. **Site 4 of 4 in cluster I**

Relative:
Lower

Actual:
170 ft.

ENVIROSTOR:

Name:	HARD CHROME DISCOVERY PROJECT
Address:	VICINITY OF EAST 56TH STREET & AVALON BLVD.
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	60000687
Status:	No Action Required
Status Date:	06/09/2010
Site Code:	301354
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	640

HARD CHROME DISCOVERY PROJECT (Continued) **S118757151**

NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Rita Kamat
Division Branch: Cleanup Chatsworth
Assembly: 59
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Orphan Funds
Latitude: 33.99161
Longitude: -118.2648
APN: NONE SPECIFIED
Past Use: DISTRIBUTOR - CHEMICAL, DRY CLEANING, FOUNDRY, MACHINE SHOP, MANUFACTURING - INDUSTRIAL MACHINERY, MANUFACTURING - METAL, METAL PLATING - CHROME
Potential COC: Arsenic Total Chromium (1:6 ratio Cr VI:Cr III Tetrachloroethylene (PCE TPH-MOTOR OIL Trichloroethylene (TCE Vinyl chloride
Confirmed COC: 30001-NO 30005-NO 30022-NO 3002502-NO 30028-NO 30027-NO
Potential Description: UE
Alias Name: 110033613739
Alias Type: EPA (FRS #)
Alias Name: 301354
Alias Type: Project Code (Site Code)
Alias Name: 60000687
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 02/06/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/13/2008
Comments: sampling locations were marked down on the sites with access's.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 03/05/2008
Comments: RI workplan was approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/07/2008
Comments: Geophysical survey was conducted on the sampling locations for all thirteen facilities.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork

HARD CHROME DISCOVERY PROJECT (Continued) **S118757151**

Completed Date: 03/19/2008
Comments: Soil sampling for metals and soilgas investigation for VOCs was performed on the facilities identified.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/03/2008
Comments: Street locations for sampling were marked down during this site visit. Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 04/16/2008
Comments: sgs

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/14/2008
Comments: Geophysical survery for Phase-2 was implemented and completed on 4/14/08.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/06/2008
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/17/2008
Comments: Sampling locations were marked on streets.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/18/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/26/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 07/11/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract

HARD CHROME DISCOVERY PROJECT (Continued) **S118757151**

Completed Date:	06/30/2008
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

52
SW
1/4-1/2
0.425 mi.
2246 ft.

DOROTHY V. JOHNSON OPPTY. SCHOOL
333 EAST 54TH STREET
LOS ANGELES, CA 90011

ENVIROSTOR
SCH
HAZMAT
CERS

S107736227
N/A

Relative:
Lower

Actual:
168 ft.

ENVIROSTOR:

Name:	DOROTHY V. JOHNSON OPPTY. SCHOOL
Address:	333 EAST 54TH STREET
City,State,Zip:	LOS ANGELES, CA 90011-5105
Facility ID:	19820039
Status:	No Further Action
Status Date:	01/17/2002
Site Code:	304278
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	4.6
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	53
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.99337
Longitude:	-118.2695
APN:	NONE SPECIFIED
Past Use:	* EDUCATIONAL SERVICES
Potential COC:	Chromium VI Copper and compounds Silver Benzo[b]fluoranthene Indeno[1,2,3-cd]pyrene Benzene 1,1,1-Trichloroethane (TCA Mercury (elemental Cadmium and compounds Dibutyl phthalate Benzo[k]fluoranthene * benzo (ghi) perylene Benz[a]anthracene Acenaphthene Zinc Selenium Lead Cobalt Xylenes Toluene Ethylbenzene Chloromethane (methyl chloride 1,3,5-Trimethylbenzene Pyrene * phenanthrene Fluoranthene Dichlorodifluoromethane Antimony and compounds Styrene 1,2,4-Trimethylbenzene Benzo[a]pyrene Anthracene
Confirmed COC:	NONE SPECIFIED
Potential Description:	IA, SOIL, SV
Alias Name:	DOROTHY V. JOHNSON HIGH SCHOOL
Alias Type:	Alternate Name

DOROTHY V. JOHNSON OPPTY. SCHOOL (Continued) **S107736227**

Alias Name: DOROTHY V. JOHNSON OPPORTUNITY SCHOOL
Alias Type: Alternate Name
Alias Name: LAUSD- DOROTHY V JOHNSON OPRTUNTY SCHOOL
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 304278
Alias Type: Project Code (Site Code)
Alias Name: 19820039
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 01/17/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 06/29/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/30/2002
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: DOROTHY V. JOHNSON OPPTY. SCHOOL
Address: 333 EAST 54TH STREET
City,State,Zip: LOS ANGELES, CA 90011-5105
Facility ID: 19820039
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 4.6
National Priorities List: NO

DOROTHY V. JOHNSON OPPTY. SCHOOL (Continued) **S107736227**

Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304278
Assembly:	53
Senate:	30
Special Program Status:	Not reported
Status:	No Further Action
Status Date:	01/17/2002
Restricted Use:	NO
Funding:	School District
Latitude:	33.99337
Longitude:	-118.2695
APN:	NONE SPECIFIED
Past Use:	* EDUCATIONAL SERVICES
Potential COC:	Chromium VI, Chromium VI, Copper and compounds, Silver, Benzo[b]fluoranthene, Indeno[1,2,3-cd]pyrene, Benzene, 1,1,1-Trichloroethane (TCA, Mercury (elemental, Cadmium and compounds, Dibutyl phthalate, Benzo[k]fluoranthene, * benzo (ghi) perylene, Benz[a]anthracene, Acenaphthene, Zinc, Selenium, Lead, Cobalt, Xylenes, Toluene, Ethylbenzene, Chloromethane (methyl chloride, 1,3,5-Trimethylbenzene, Pyrene, * phenanthrene, Fluoranthene, Dichlorodifluoromethane, Antimony and compounds, Styrene, 1,2,4-Trimethylbenzene, Benzo[a]pyrene, Anthracene
Confirmed COC:	NONE SPECIFIED
Potential Description:	IA, SOIL, SV
Alias Name:	DOROTHY V. JOHNSON HIGH SCHOOL
Alias Type:	Alternate Name
Alias Name:	DOROTHY V. JOHNSON OPPORTUNITY SCHOOL
Alias Type:	Alternate Name
Alias Name:	LAUSD- DOROTHY V JOHNSON OPRTUNTY SCHOOL
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	304278
Alias Type:	Project Code (Site Code)
Alias Name:	19820039
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	01/17/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan

DOROTHY V. JOHNSON OPPTY. SCHOOL (Continued) **S107736227**

Completed Date: 06/29/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/30/2002
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LOS ANGELES HM:
Name: ARMOR PAPER PRODUCTS
Address: 333 E 54TH ST
City,State,Zip: LOS ANGELES, CA 90011
Facility ID: FA0003986
Last Run Date: 04/19/2021
Status: INACTIVE

CERS:
Name: DOROTHY V. JOHNSON O
Address: 333 EAST 54TH STREET
City,State,Zip: LOS ANGELES, CA 90011-5105
Site ID: 336793
CERS ID: 19820039
CERS Description: School Investigation

Affiliation:
Affiliation Type Desc: Supervisor
Entity Name: JAVIER HINOJOSA
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

L53 **JEFFERSON MIDDLE SCHOOL** **CPS-SLIC** **S105024742**
South **644 56TH ST** **ENF** **N/A**
1/4-1/2 **LOS ANGELES, CA 90012** **HIST CORTESE**
0.432 mi. **CERS**
2279 ft. **Site 1 of 3 in cluster L**

Relative: CPS-SLIC:
Lower Name: JEFFERSON NEW MIDDLE SCHOOL #1
Actual: Address: 644 EAST 56TH ST
172 ft. City,State,Zip: LOS ANGELES, CA

JEFFERSON MIDDLE SCHOOL (Continued) **S105024742**

Region:	STATE
Facility Status:	**Open - Inactive**
Status Date:	01/30/2015
Global Id:	SL184741457
Lead Agency:	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number:	19820012
Latitude:	33.991571
Longitude:	-118.263876
Case Type:	Cleanup Program Site
Case Worker:	Not reported
Local Agency:	Not reported
RB Case Number:	0638
File Location:	Not reported
Potential Media Affected:	Not reported
Potential Contaminants of Concern:	Not reported
Site History:	Not reported

Click here to access the California GeoTracker records for this facility:

ENF:

Name:	JEFFERSON MIDDLE SCHOOL
Address:	644 56TH
City,State,Zip:	LOS ANGELES, CA 90012
Region:	4
Facility Id:	234276
Agency Name:	Los Angeles USD Office of Environmental Health & Safety
Place Type:	Facility
Place Subtype:	Not reported
Facility Type:	All other facilities
Agency Type:	Special District
# Of Agencies:	1
Place Latitude:	Not reported
Place Longitude:	Not reported
SIC Code 1:	9999
SIC Desc 1:	Nonclassifiable Establishments
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	UNREGS
Program Category1:	UNREGS

JEFFERSON MIDDLE SCHOOL (Continued) **S105024742**

Program Category2:	UNREGS
# Of Programs:	1
WDID:	4B190106N10
Reg Measure Id:	157334
Reg Measure Type:	Unregulated
Region:	4
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Never Active
Status Date:	02/21/2013
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	Not reported
Direction/Voice:	Passive
Enforcement Id(EID):	221537
Region:	4
Order / Resolution Number:	CAO
Enforcement Action Type:	Clean-up and Abatement Order
Effective Date:	09/30/1998
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	09/30/1998
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	CAO - 4B190106N10
Description:	remediation of soil and groundwater
Program:	UNREGS
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability $ Amount:	0
Project $ Amount:	0
Liability $ Paid:	0
Project $ Completed:	0
Total $ Paid/Completed Amount:	0

HIST CORTESE:

edr_fname:	JEFFERSON MIDDLE SCHOOL
edr_fadd1:	644 56th St
City,State,Zip:	LOS ANGELES, CA 90012

JEFFERSON MIDDLE SCHOOL (Continued) **S105024742**

Region: CORTESE
Facility County Code: 19
Reg By: WBC&D
Reg Id: 4B190106N10

CERS:
Name: JEFFERSON NEW MIDDLE SCHOOL #1
Address: 644 EAST 56TH ST
City,State,Zip: LOS ANGELES, CA
Site ID: 218450
CERS ID: SL184741457
CERS Description: Cleanup Program Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: DTSC - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 1011 N. GRANDVIEW AVE.
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

L54 **LOS ANGELES ACADEMY MIDDLE SCHOOL** **ENVIROSTOR** **S122220152**
South **644 EAST 56TH STREET** **SCH** **N/A**
1/4-1/2 **LOS ANGELES, CA 90011** **WDR**
0.432 mi.
2279 ft. **Site 2 of 3 in cluster L**

Relative:
Lower

Actual:
172 ft.

ENVIROSTOR:
Name: LOS ANGELES ACADEMY MIDDLE SCHOOL
Address: 644 EAST 56TH STREET
City,State,Zip: LOS ANGELES, CA 90011
Facility ID: 19820012
Status: Active
Status Date: 05/11/1998
Site Code: 301602
Site Type: School Cleanup
Site Type Detailed: School
Acres: 15
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Folashade Simpson
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Assembly: 59
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.99043
Longitude: -118.2635
APN: 5103013901
Past Use: * EDUCATIONAL SERVICES

LOS ANGELES ACADEMY MIDDLE SCHOOL (Continued) **S122220152**

Potential COC: * HALOGENATED SOLVENTS * CONTAMINATED SOIL Tetrachloroethylene (PCE Trichloroethylene (TCE Chromium III Chromium VI
Confirmed COC: * HALOGENATED SOLVENTS Tetrachloroethylene (PCE Chromium III Chromium VI Trichloroethylene (TCE * CONTAMINATED SOIL
Potential Description: IA, OTH, SOIL, SV
Alias Name: ASSOCIATED MACHINE CRAFT & CORPORATION
Alias Type: Alternate Name
Alias Name: AYERS/CHAIRMAKERS
Alias Type: Alternate Name
Alias Name: DANA WILEY DBA THE WILEY MACHINE CO.
Alias Type: Alternate Name
Alias Name: DEFENSE PLANT CORPORATION
Alias Type: Alternate Name
Alias Name: GILLESPIE FURNITURE COMPANY
Alias Type: Alternate Name
Alias Name: JEFFERSON MIDDLE SCHOOL
Alias Type: Alternate Name
Alias Name: JEFFERSON NEW MIDDLE SCHOOL
Alias Type: Alternate Name
Alias Name: JOHATHAN COOKLER DBA AVALON INVEST. CO.
Alias Type: Alternate Name
Alias Name: LA ACADEMY
Alias Type: Alternate Name
Alias Name: LOS ANGELES ACADEMY MIDDLE SCHOOL
Alias Type: Alternate Name
Alias Name: Los Angeles Academy
Alias Type: Alternate Name
Alias Name: NEW JEFFERSON MIDDLE SCHOOL
Alias Type: Alternate Name
Alias Name: TEXACO OIL COMPANY GAS STATION
Alias Type: Alternate Name
Alias Name: WEBER SHOWCASE FIX. CO. AKA WALTER KIDDE
Alias Type: Alternate Name
Alias Name: 5103013901
Alias Type: APN
Alias Name: 110002612735
Alias Type: EPA (FRS #)
Alias Name: SL184741457
Alias Type: GeoTracker Global ID
Alias Name: 300665
Alias Type: Project Code (Site Code)
Alias Name: 301602
Alias Type: Project Code (Site Code)
Alias Name: 19820012
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 05/13/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/24/2016
Comments: Not reported

LOS ANGELES ACADEMY MIDDLE SCHOOL (Continued) **S122220152**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 06/18/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/18/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 01/30/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 01/23/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 11/20/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/06/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2015
Comments: Annual Cost Estimate emailed and mailed to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 12/13/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/29/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract

LOS ANGELES ACADEMY MIDDLE SCHOOL (Continued) **S122220152**

Completed Date: 05/01/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/09/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 01/10/2012
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 04/13/2017
Comments: CEQA Initial Study/Negative Declaration for LAAMS completed and finalized by LAUSD

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 07/26/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 01/22/2003
Comments: Appendix B thru H3 are in the project files.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 01/01/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/22/2007
Comments: Figures and Appendix F are in the project files.

LOS ANGELES ACADEMY MIDDLE SCHOOL (Continued) **S122220152**

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/31/2011
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 06/27/2016
Comments: Per LAUSD comment, this will be in the appendix of RAP.

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 06/16/2017
Comments: Final FS/RAP for OU-3 approval letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 12/24/2017
Comments: Community Profile Finalized

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 04/14/2017
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 11/27/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 03/15/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/03/2009
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 12/05/2008
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

LOS ANGELES ACADEMY MIDDLE SCHOOL (Continued) **S122220152**

Completed Date: 09/11/2006
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 03/15/2005
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/15/2014
Comments: The WDR report was uploaded to RWQCB's database by URS.

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/10/2014
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/01/2014
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/02/2015
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/20/2015
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design - Preliminary/Intermediate
Completed Date: 06/16/2017
Comments: Tech Memo for Remedial Design OU-3 Approval

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 01/09/2015
Comments: 0810 check out state car to the site; 0920 arrived at the site; URS staff and Blainetech on site; 3 sampling trucks, 2 at pilot study area near school and one at MW-7; 0930 setup to purge/sample water at MW-7; 1010 setup to purge/sample MW-29 and MW-30; 1115 complete sample collection; start to repair MW-7; contractors transport purged water to HCP site for storage; 1145 left site/to gas station for fill up gasoline and return to office at 1310.

LOS ANGELES ACADEMY MIDDLE SCHOOL (Continued) **S122220152**

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Workplan
Completed Date: 01/16/2008
Comments: For information only. No comments were provided.

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/01/2015
Comments: Site visit to oversee groundwater sampling at the school.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/14/2017
Comments: Soil Gas Sampling Tech Memo July 2017 LAAMS Approval

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/06/2015
Comments: WDR Q2 Report for LAAMS Pilot Study

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/30/2017
Comments: Final LAAMS WDR 3rd Quarter Report for Water Board

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Plan
Completed Date: 03/09/2017
Comments: LAAMS Soil Gas Investigation Workplan approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 03/12/2017
Comments: Baseline soil gas sampling completed at LA Academy Middle School

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 04/05/2017
Comments: Public Notice for start of public comment period for OU-3 RAP LAAMS

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 04/06/2017
Comments: Public Notice for LAAMS OU-3 Public Comment Period

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork

LOS ANGELES ACADEMY MIDDLE SCHOOL (Continued) **S122220152**

Completed Date:	12/22/2017
Comments:	Groundwater sampling for 4th Quarter WDR completed
Completed Area Name:	OU-2 Deep Vadose Zone
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	03/23/2001
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan
Completed Date:	03/20/2002
Comments:	Not reported
Completed Area Name:	OU-1 Shallow Vadose Zone
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation / Feasibility Study
Completed Date:	02/20/2003
Comments:	Not reported
Completed Area Name:	OU-2 Deep Vadose Zone
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Report
Completed Date:	07/30/2004
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	02/18/2004
Comments:	Not reported
Completed Area Name:	OU-3 GW & O/S Contamination
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Workplan
Completed Date:	05/07/2008
Comments:	Approved the Bench-Scale Work Plan OU-3
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Report
Completed Date:	09/04/2000
Comments:	Not reported
Completed Area Name:	OU-2 Deep Vadose Zone
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	11/17/2008
Comments:	The RACR for SVE (within OU1 and OU2) is approved with further evaluation required (during preparation of RI/FS for OU3).
Completed Area Name:	OU-3 GW & O/S Contamination
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Investigation Report
Completed Date:	08/07/2014
Comments:	Draft Final text, tables, and figures were uploaded to EnviroStor and

LOS ANGELES ACADEMY MIDDLE SCHOOL (Continued) **S122220152**

other Appendices are in project files.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/06/2009
Comments: DTSC comments were issued 01/06/09. PRP group is expected to respond to DTSC comments for future monitoring activities while a revision to the progress report is not necessary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 03/20/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 02/25/1999
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/19/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: LOS ANGELES ACADEMY MIDDLE SCHOOL
Address: 644 EAST 56TH STREET
City,State,Zip: LOS ANGELES, CA 90011
Facility ID: 19820012
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 15
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP

LOS ANGELES ACADEMY MIDDLE SCHOOL (Continued) **S122220152**

Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Folashade Simpson
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Site Code:	301602
Assembly:	59
Senate:	30
Special Program Status:	Not reported
Status:	Active
Status Date:	05/11/1998
Restricted Use:	NO
Funding:	School District
Latitude:	33.99043
Longitude:	-118.2635
APN:	5103013901
Past Use:	* EDUCATIONAL SERVICES
Potential COC:	* HALOGENATED SOLVENTS, * CONTAMINATED SOIL, Tetrachloroethylene (PCE, Trichloroethylene (TCE, Chromium III, Chromium VI
Confirmed COC:	* HALOGENATED SOLVENTS, Tetrachloroethylene (PCE, Chromium III, Chromium VI, Trichloroethylene (TCE, * CONTAMINATED SOIL
Potential Description:	IA, OTH, SOIL, SV
Alias Name:	ASSOCIATED MACHINE CRAFT & CORPORATION
Alias Type:	Alternate Name
Alias Name:	AYERS/CHAIRMAKERS
Alias Type:	Alternate Name
Alias Name:	DANA WILEY DBA THE WILEY MACHINE CO.
Alias Type:	Alternate Name
Alias Name:	DEFENSE PLANT CORPORATION
Alias Type:	Alternate Name
Alias Name:	GILLESPIE FURNITURE COMPANY
Alias Type:	Alternate Name
Alias Name:	JEFFERSON MIDDLE SCHOOL
Alias Type:	Alternate Name
Alias Name:	JEFFERSON NEW MIDDLE SCHOOL
Alias Type:	Alternate Name
Alias Name:	JOHATHAN COOKLER DBA AVALON INVEST. CO.
Alias Type:	Alternate Name
Alias Name:	LA ACADEMY
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES ACADEMY MIDDLE SCHOOL
Alias Type:	Alternate Name
Alias Name:	Los Angeles Academy
Alias Type:	Alternate Name
Alias Name:	NEW JEFFERSON MIDDLE SCHOOL
Alias Type:	Alternate Name
Alias Name:	TEXACO OIL COMPANY GAS STATION
Alias Type:	Alternate Name
Alias Name:	WEBER SHOWCASE FIX. CO. AKA WALTER KIDDE
Alias Type:	Alternate Name
Alias Name:	5103013901
Alias Type:	APN
Alias Name:	110002612735
Alias Type:	EPA (FRS #)
Alias Name:	SL184741457
Alias Type:	GeoTracker Global ID
Alias Name:	300665
Alias Type:	Project Code (Site Code)

LOS ANGELES ACADEMY MIDDLE SCHOOL (Continued) **S122220152**

Alias Name: 301602
Alias Type: Project Code (Site Code)
Alias Name: 19820012
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 05/13/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/24/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 06/18/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/18/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 01/30/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract Fiscal Approval (CFA)
Completed Date: 01/23/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 11/20/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/06/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/22/2015

LOS ANGELES ACADEMY MIDDLE SCHOOL (Continued) **S122220152**

Comments: Annual Cost Estimate emailed and mailed to LAUSD.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 12/13/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/29/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 05/01/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 12/09/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 06/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 01/10/2012
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 04/13/2017
Comments: CEQA Initial Study/Negative Declaration for LAAMS completed and finalized by LAUSD

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 07/26/2010
Comments: Not reported

LOS ANGELES ACADEMY MIDDLE SCHOOL (Continued) **S122220152**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 01/22/2003
Comments: Appendix B thru H3 are in the project files.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 01/01/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/22/2007
Comments: Figures and Appendix F are in the project files.

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/31/2011
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 06/27/2016
Comments: Per LAUSD comment, this will be in the appendix of RAP.

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 06/16/2017
Comments: Final FS/RAP for OU-3 approval letter

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 12/24/2017
Comments: Community Profile Finalized

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 04/14/2017
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 11/27/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan

LOS ANGELES ACADEMY MIDDLE SCHOOL (Continued) **S122220152**

Completed Date: 03/15/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/03/2009
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Risk Assessment Report
Completed Date: 12/05/2008
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/11/2006
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 03/15/2005
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/15/2014
Comments: The WDR report was uploaded to RWQCB’s database by URS.

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/10/2014
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/01/2014
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/02/2015
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 03/20/2015
Comments: Not reported

LOS ANGELES ACADEMY MIDDLE SCHOOL (Continued) **S122220152**

Completed Area Name:	OU-3 GW & O/S Contamination
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Design - Preliminary/Intermediate
Completed Date:	06/16/2017
Comments:	Tech Memo for Remedial Design OU-3 Approval

Completed Area Name:	OU-3 GW & O/S Contamination
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	01/09/2015
Comments:	0810 check out state car to the site; 0920 arrived at the site; URS staff and Blainetech on site; 3 sampling trucks, 2 at pilot study area near school and one at MW-7; 0930 setup to purge/sample water at MW-7; 1010 setup to purge/sample MW-29 and MW-30; 1115 complete sample collection; start to repair MW-7; contractors transport purged water to HCP site for storage; 1145 left site/to gas station for fill up gasoline and return to office at 1310.

Completed Area Name:	OU-3 GW & O/S Contamination
Completed Sub Area Name:	Not reported
Completed Document Type:	Risk Assessment Workplan
Completed Date:	01/16/2008
Comments:	For information only. No comments were provided.

Completed Area Name:	OU-3 GW & O/S Contamination
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	04/01/2015
Comments:	Site visit to oversee groundwater sampling at the school.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	12/14/2017
Comments:	Soil Gas Sampling Tech Memo July 2017 LAAMS Approval

Completed Area Name:	OU-3 GW & O/S Contamination
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	07/06/2015
Comments:	WDR Q2 Report for LAAMS Pilot Study

Completed Area Name:	OU-3 GW & O/S Contamination
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	10/30/2017
Comments:	Final LAAMS WDR 3rd Quarter Report for Water Board

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Plan
Completed Date:	03/09/2017
Comments:	LAAMS Soil Gas Investigation Workplan approved

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork

LOS ANGELES ACADEMY MIDDLE SCHOOL (Continued) **S122220152**

Completed Date: 03/12/2017
Comments: Baseline soil gas sampling completed at LA Academy Middle School

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 04/05/2017
Comments: Public Notice for start of public comment period for OU-3 RAP LAAMS

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 04/06/2017
Comments: Public Notice for LAAMS OU-3 Public Comment Period

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/22/2017
Comments: Groundwater sampling for 4th Quarter WDR completed

Completed Area Name: OU-2 Deep Vadose Zone
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/23/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 03/20/2002
Comments: Not reported

Completed Area Name: OU-1 Shallow Vadose Zone
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 02/20/2003
Comments: Not reported

Completed Area Name: OU-2 Deep Vadose Zone
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 07/30/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 02/18/2004
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 05/07/2008
Comments: Approved the Bench-Scale Work Plan OU-3

LOS ANGELES ACADEMY MIDDLE SCHOOL (Continued) **S122220152**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 09/04/2000
Comments: Not reported

Completed Area Name: OU-2 Deep Vadose Zone
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 11/17/2008
Comments: The RACR for SVE (within OU1 and OU2) is approved with further evaluation required (during preparation of RI/FS for OU3).

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 08/07/2014
Comments: Draft Final text, tables, and figures were uploaded to EnviroStor and other Appendices are in project files.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/06/2009
Comments: DTSC comments were issued 01/06/09. PRP group is expected to respond to DTSC comments for future monitoring activities while a revision to the progress report is not necessary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 03/20/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 02/25/1999
Comments: Not reported

Completed Area Name: OU-3 GW & O/S Contamination
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/19/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported

LOS ANGELES ACADEMY MIDDLE SCHOOL (Continued) **S122220152**

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

WDR:
Name: LOS ANGELES ACADEMY MIDDLE SCHOOL
Address: 644 EAST 56TH STREET
City,State,Zip: LOS ANGELES, CA 90011
Global ID: WDR100017221
Status: HISTORICAL - WDR

55
ESE
1/4-1/2
0.440 mi.
2321 ft.

FIRE STATION #21
1187 052ND ST E
LOS ANGELES, CA 90011

LUST **S102429938**
Cortese **N/A**
HIST CORTESE
CERS

Relative:
Higher

Actual:
183 ft.

LUST:
Name: FIRE STATION #21
Address: 1187 052ND ST E
City,State,Zip: LOS ANGELES, CA 90011
Lead Agency: LOS ANGELES, CITY OF
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603700496
Global Id: T0603700496
Latitude: 34.0079299
Longitude: -118.2590472
Status: Completed - Case Closed
Status Date: 12/08/1993
Case Worker: EL
RB Case Number: 900110070
Local Agency: LOS ANGELES, CITY OF
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:
Global Id: T0603700496
Contact Type: Regional Board Caseworker
Contact Name: YUE RONG
Organization Name: LOS ANGELES RWQCB (REGION 4)
Address: 320 W. 4TH ST., SUITE 200
City: Los Angeles
Email: yrong@waterboards.ca.gov
Phone Number: Not reported

Global Id: T0603700496
Contact Type: Local Agency Caseworker
Contact Name: ELOY LUNA
Organization Name: LOS ANGELES, CITY OF
Address: 200 North Main Street, Suite 1780
City: LOS ANGELES
Email: eloy.luna@lacity.org
Phone Number: Not reported

FIRE STATION #21 (Continued) **S102429938**

LUST:
Global Id: T0603700496
Action Type: Other
Date: 04/12/1993
Action: Leak Reported

Global Id: T0603700496
Action Type: Other
Date: 04/12/1993
Action: Leak Discovery

LUST:
Global Id: T0603700496
Status: Open - Case Begin Date
Status Date: 04/12/1993

Global Id: T0603700496
Status: Open - Remediation
Status Date: 04/12/1993

Global Id: T0603700496
Status: Completed - Case Closed
Status Date: 12/08/1993

LUST REG 4:

Region:	4	
Regional Board:	04	
County:	Los Angeles	
Facility Id:	900110070	
Status:	Case Closed	
Substance:	Diesel	
Substance Quantity:	Not reported	
Local Case No:	Not reported	
Case Type:	Soil	
Abatement Method Used at the Site:		Not reported
Global ID:	T0603700496	
W Global ID:	Not reported	
Staff:	UNK	
Local Agency:	19050	
Cross Street:	CENTRAL	
Enforcement Type:	Not reported	
Date Leak Discovered:	4/12/1993	
Date Leak First Reported:		4/12/1993
Date Leak Record Entered:	3/16/1993	
Date Confirmation Began:	Not reported	
Date Leak Stopped:	Not reported	
Date Case Last Changed on Database:		12/8/1993
Date the Case was Closed:		12/8/1993
How Leak Discovered:	OM	
How Leak Stopped:	Not reported	
Cause of Leak:	Other Cause	
Leak Source:	Tank	
Operator:	LAFD	
Water System:	Not reported	
Well Name:	Not reported	

FIRE STATION #21 (Continued) **S102429938**

Approx. Dist To Production Well (ft):	8211.643885553465988658863406
Source of Cleanup Funding:	Tank
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	4/12/1993
Post Remedial Action Monitoring Began:	Not reported
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Owner Contact:	Not reported
Responsible Party:	CITY OF LOS ANGELES
RP Address:	SAME AS ABOVE
Program:	LUST
Lat/Long:	34.0079299 / -1
Local Agency Staff:	PEJ
Beneficial Use:	Not reported
Priority:	Not reported
Cleanup Fund Id:	Not reported
Suspended:	Not reported
Assigned Name:	Not reported
Summary:	Not reported

CORTESE:

Name:	FIRE STATION #21
Address:	1187 052ND ST E
City,State,Zip:	LOS ANGELES, CA 90011
Region:	CORTESE
Envirostor Id:	Not reported
Global ID:	T0603700496
Site/Facility Type:	LUST CLEANUP SITE
Cleanup Status:	COMPLETED - CASE CLOSED
Status Date:	Not reported
Site Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Owner:	Not reported
Enf Type:	Not reported
Swat R:	Not reported
Flag:	active
Order No:	Not reported
Waste Discharge System No:	Not reported
Effective Date:	Not reported
Region 2:	Not reported
WID Id:	Not reported
Solid Waste Id No:	Not reported
Waste Management Uit Name:	Not reported
File Name:	Active Open

HIST CORTESE:

FIRE STATION #21 (Continued) **S102429938**

edr_fname: FIRE STATION #21
edr_fadd1: 1187 052ND
City,State,Zip: LOS ANGELES, CA 90805
Region: CORTESE
Facility County Code: 19
Reg By: LTNKA
Reg Id: 900110070

CERS:
Name: FIRE STATION #21
Address: 1187 052ND ST E
City,State,Zip: LOS ANGELES, CA 90011
Site ID: 209026
CERS ID: T0603700496
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:
Affiliation Type Desc: Regional Board Caseworker
Entity Name: YUE RONG - LOS ANGELES RWQCB (REGION 4)
Entity Title: Not reported
Affiliation Address: 320 W. 4TH ST., SUITE 200
Affiliation City: Los Angeles
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker
Entity Name: ELOY LUNA - LOS ANGELES, CITY OF
Entity Title: Not reported
Affiliation Address: 200 North Main Street, Suite 1780
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

56
SE
1/4-1/2
0.459 mi.
2422 ft.

Relative:
Lower

Actual:
177 ft.

DIEGOS RECYCLING **SWRCY** **S123185299**
5519 S CENTRAL AVE **N/A**
LOS ANGELES, CA 90011

SWRCY:
Name: DIEGOS RECYCLING
Address: 5519 S CENTRAL AVE
City,State,Zip: LOS ANGELES, CA 90011
Reg Id: Not reported
Cert Id: RC274859.001
Mailing Address: 6100 Rugby Ave #205
Mailing City: Huntington Park
Mailing State: CA
Mailing Zip Code: 90255
Website: Not reported
Email: misaelcervantes021@gmail.com
Phone Number: (310) 314-5071
Rural: N

DIEGOS RECYCLING (Continued) **S123185299**

Operation Begin Date:	09/18/2018
Aluminium:	Not reported
Glass:	Not reported
Plastic:	Not reported
Bimetal:	Not reported
Hours of Operation:	Mon - Fri 8:00 am - 4:30 pm; Sat - Sun 8:00 am - 2:00 pm
Organization ID:	Not reported
Organization Name:	Diegos Recycling

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57 **OMAR RECYCLING CENTER** **SWRCY** **S125673072**
WSW **239 E 53RD ST** **N/A**
1/4-1/2 **LOS ANGELES, CA 90011**
0.459 mi.
2423 ft.

Relative: **Lower**
Actual: **168 ft.**

SWRCY:

Name:	OMAR RECYCLING CENTER
Address:	239 E 53RD ST
City,State,Zip:	LOS ANGELES, CA 90011
Reg Id:	Not reported
Cert Id:	RC287492.001
Mailing Address:	1342 E 70th St Apt B
Mailing City:	Los Angeles
Mailing State:	CA
Mailing Zip Code:	90001
Website:	Not reported
Email:	Not reported
Phone Number:	(323) 594-1851
Rural:	N
Operation Begin Date:	11/11/2019
Aluminium:	Not reported
Glass:	Not reported
Plastic:	Not reported
Bimetal:	Not reported
Hours of Operation:	Mon - Sat 8:00 am - 5:00 pm; Sun 8:00 am - 3:00 pm
Organization ID:	Not reported
Organization Name:	Omar Recycling Center

L58 **JEFFERSON MIDDLE SCHOOL** **CPS-SLIC** **S106387062**
South **644 056TH** **N/A**
1/4-1/2 **LOS ANGELES, CA 90011**
0.470 mi.
2483 ft. **Site 3 of 3 in cluster L**

Relative: **Lower**
Actual: **172 ft.**

SLIC REG 4:

Region:	4
Facility Status:	Not reported
SLIC:	0638
Substance:	VOCs
Staff:	Department of Toxic Substances Control

59
SSW
1/4-1/2
0.483 mi.
2548 ft.

HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 8
57TH STREET/AVALON STREET/58TH STREET
LOS ANGELES, CA 90011

ENVIROSTOR SCH | **S107736477** | **N/A**

Relative:
Lower

Actual:
171 ft.

ENVIROSTOR:

Name:	HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 8
Address:	57TH STREET/AVALON STREET/58TH STREET
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	19880077
Status:	Inactive - Withdrawn
Status Date:	03/20/2000
Site Code:	304161
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	1.81
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	59
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.99068
Longitude:	-118.2642
APN:	NONE SPECIFIED
Past Use:	RESIDENTIAL AREA
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	HOOPER/MIRAMONTE PRIMARY SCHOOL #8
Alias Type:	Alternate Name
Alias Name:	LAUSD-HOOPER/MIRAMONTE PRIMARY #8/CDE
Alias Type:	Alternate Name
Alias Name:	LAUSD-HOOPER/MIRAMONTE PRIMARY #8/VCA
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	304078
Alias Type:	Project Code (Site Code)
Alias Name:	304161
Alias Type:	Project Code (Site Code)
Alias Name:	19880077
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	03/20/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported

HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 8 (Continued) **S107736477**

Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	02/11/2000
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Name:	HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 8
Address:	57TH STREET/AVALON STREET/58TH STREET
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	19880077
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	1.81
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304161
Assembly:	59
Senate:	30
Special Program Status:	Not reported
Status:	Inactive - Withdrawn
Status Date:	03/20/2000
Restricted Use:	NO
Funding:	School District
Latitude:	33.99068
Longitude:	-118.2642
APN:	NONE SPECIFIED
Past Use:	RESIDENTIAL AREA
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	HOOPER/MIRAMONTE PRIMARY SCHOOL #8
Alias Type:	Alternate Name
Alias Name:	LAUSD-HOOPER/MIRAMONTE PRIMARY #8/CDE
Alias Type:	Alternate Name
Alias Name:	LAUSD-HOOPER/MIRAMONTE PRIMARY #8/VCA

HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 8 (Continued) **S107736477**

Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	304078
Alias Type:	Project Code (Site Code)
Alias Name:	304161
Alias Type:	Project Code (Site Code)
Alias Name:	19880077
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	03/20/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	02/11/2000
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

M60 **EASY SEWING CO.** **ENVIROSTOR** **S102799905**
South **5716 MCKINLEY AVENUE** **N/A**
1/2-1 **LOS ANGELES, CA 90011**
0.540 mi.
2853 ft. **Site 1 of 2 in cluster M**

Relative: **Lower**

Actual: **172 ft.**

ENVIROSTOR:

Name:	EASY SEWING CO.
Address:	5716 MCKINLEY AVENUE
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	60001728
Status:	Refer: Other Agency
Status Date:	06/29/2000
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	2
NPL:	NO
Regulatory Agencies:	LOS ANGELES COUNTY

EASY SEWING CO. (Continued) **S102799905**

Lead Agency:	LOS ANGELES COUNTY
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	52, 59
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.99003
Longitude:	-118.2597
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	Benzene Lead Tetrachloroethylene (PCE Ethylbenzene Toluene Xylenes
Confirmed COC:	Benzene Lead Tetrachloroethylene (PCE Ethylbenzene Xylenes Toluene
Potential Description:	NONE SPECIFIED
Alias Name:	60001728
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	06/29/2000
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

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61 **ADVANCED ALUMINIUM & BRASS SALES** **ENVIROSTOR** **S106825375**
SSE **1001 E. SLAUSON AVE.** **EMI** **N/A**
1/2-1 **LOS ANGELES, CA 90011**
0.563 mi.
2974 ft.

Relative: **Lower**

Actual: **173 ft.**

ENVIROSTOR:

Name:	ADVANCED ALUMINIUM & BRASS SALES
Address:	1001 E. SLAUSON AVE.
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	19340787
Status:	Inactive - Action Required
Status Date:	07/18/2002
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	2
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Not reported

ADVANCED ALUMINIUM & BRASS SALES (Continued) **S106825375**

Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Assembly: 59
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.98986
Longitude: -118.2580
APN: 5103015041
Past Use: MANUFACTURING - METAL
Potential COC: Arsenic Lead Mercury (elemental Chromium III
Confirmed COC: 30152-NO 30001-NO 30013-NO 30014-NO
Potential Description: SOIL
Alias Name: 5103015041
Alias Type: APN
Alias Name: CAN000905726
Alias Type: CERCLIS ID
Alias Name: 19340787
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 07/18/2002
Comments: Conduct preliminary site assessment included: records review and site reconnaissance. Recommended further sampling for next fiscal year.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

EMI:
Name: ADVANCE ALUMINUM & BRASS INC
Address: 1001 E SLAUSON AVE
City,State,Zip: LOS ANGELES, CA 92647
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 16562
Air District Name: SC
SIC Code: 3365
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 17
Reactive Organic Gases Tons/Yr: 12
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0

ADVANCED ALUMINIUM & BRASS SALES (Continued) **S106825375**

SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

N62 **L.A. CRANK & ENGINE REBUILD** **ENVIROSTOR** **S105954463**
SSE **5728 S. CENRAL AVE.** **N/A**
1/2-1 **LOS ANGELES, CA 90001**
0.565 mi.
2982 ft. **Site 1 of 4 in cluster N**

Relative:
Lower

Actual:
174 ft.

ENVIROSTOR:

Name:	L.A. CRANK & ENGINE REBUILD
Address:	5728 S. CENRAL AVE.
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	19390062
Status:	Inactive - Action Required
Status Date:	07/17/2002
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Not reported
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	33
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.99055
Longitude:	-118.2563
APN:	NONE SPECIFIED
Past Use:	JUNKYARD, VEHICLE MAINTENANCE
Potential COC:	Benzene Lead TPH-diesel TPH-gas
Confirmed COC:	TPH-diesel TPH-gas Benzene Lead
Potential Description:	SOIL, SV
Alias Name:	CAN000905655
Alias Type:	CERCLIS ID
Alias Name:	19390062
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment/Site Inspection Report (PA/SI)
Completed Date:	07/17/2002
Comments:	The PA for this site was completed. The soil at the site needs to be sampled for metals and VOCs.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported

L.A. CRANK & ENGINE REBUILD (Continued) **S105954463**

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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63 **RIO PRODUCTS COMPANY, INC.** **SEMS-ARCHIVE** **1001491903**
SSW **401 E. 58TH STREET** **ENVIROSTOR** **CASFN0905560**
1/2-1 **LOS ANGELES, CA 90011**
0.565 mi.
2983 ft.

Relative:
Lower

Actual:
166 ft.

SEMS Archive:
Site ID: 0905560
EPA ID: CASFN0905560
Name: RIO PRODUCTS COMPANY, INC.
Address: 401 E. 58TH STREET
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90011
Cong District: Not reported
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 09
Site ID: 0905560
EPA ID: CASFN0905560
Site Name: RIO PRODUCTS COMPANY, INC.
NPL: N
FF: N
OU: 00
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 2013-11-08 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 09
Site ID: 0905560
EPA ID: CASFN0905560
Site Name: RIO PRODUCTS COMPANY, INC.
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1999-12-07 05:00:00
Finish Date: 1999-12-07 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0905560
EPA ID: CASFN0905560

RIO PRODUCTS COMPANY, INC. (Continued) **1001491903**

Site Name:	RIO PRODUCTS COMPANY, INC.
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	2000-08-15 04:00:00
Finish Date:	2001-06-06 04:00:00
Qual:	N
Current Action Lead:	St Perf

ENVIROSTOR:

Name:	RIO PRODUCTS COMPANY, INC.
Address:	401 EAST 58TH STREET
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	19230001
Status:	No Further Action
Status Date:	10/31/2001
Site Code:	300877
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Assembly:	59
Senate:	30
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.99008
Longitude:	-118.2670
APN:	5101005012
Past Use:	DRY CLEANING
Potential COC:	Tetrachloroethylene (PCE
Confirmed COC:	30022-NO
Potential Description:	OTH, SOIL
Alias Name:	RIO PRODUCTS COMPANY, INC.
Alias Type:	Alternate Name
Alias Name:	RIO PRODUCTS COMPNAY, INC.
Alias Type:	Alternate Name
Alias Name:	TOPSTICH, INC.
Alias Type:	Alternate Name
Alias Name:	5101005012
Alias Type:	APN
Alias Name:	CASFN0905560
Alias Type:	EPA Identification Number
Alias Name:	300877
Alias Type:	Project Code (Site Code)
Alias Name:	19230001
Alias Type:	Envirostor ID Number

RIO PRODUCTS COMPANY, INC. (Continued) **1001491903**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment/Site Inspection Report (PA/SI)
Completed Date:	06/06/2001
Comments:	Abbreviated Preliminary Assessment.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	07/12/1999
Comments:	Site Screening Completed
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

N64 **J C HOLDERNESS** **ENVIROSTOR** **S112057193**
SSE **5732 SOUTH CENTRAL AVENUE** **N/A**
1/2-1 **LOS ANGELES, CA 90011**
0.571 mi.
3013 ft. **Site 2 of 4 in cluster N**

Relative:
Lower

Actual:
174 ft.

ENVIROSTOR:

Name:	J C HOLDERNESS
Address:	5732 SOUTH CENTRAL AVENUE
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	60001715
Status:	Refer: EPA
Status Date:	06/21/2000
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	5
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	46, 59
Senate:	33
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.99056
Longitude:	-118.2560
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	Asbestos Containing Materials (ACM Lead Polychlorinated biphenyls

J C HOLDERNESS (Continued) **S112057193**

(PCBs Tetrachloroethylene (PCE Nickel Toluene Xylenes Zinc
Confirmed COC: Lead Tetrachloroethylene (PCE Xylenes Zinc Nickel Toluene Asbestos Containing Materials (ACM Polychlorinated biphenyls (PCBs
Potential Description: NONE SPECIFIED
Alias Name: 60001715
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/21/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

65
ESE
1/2-1
0.572 mi.
3022 ft.

JEFFERSON HOOPER PRIMARY SCHOOL NO. 5 **ENVIROSTOR** **S105840739**
52ND STREET/HOOPER AVENUE **SCH** **N/A**
LOS ANGELES, CA 90011

Relative:
Higher

Actual:
184 ft.

ENVIROSTOR:
Name: JEFFERSON HOOPER PRIMARY SCHOOL NO. 5
Address: 52ND STREET/HOOPER AVENUE
City,State,Zip: LOS ANGELES, CA 90011
Facility ID: 19880054
Status: Inactive - Withdrawn
Status Date: 02/10/2000
Site Code: 304106
Site Type: School Investigation
Site Type Detailed: School
Acres: 1.85
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 59
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.99592
Longitude: -118.2512
APN: NONE SPECIFIED
Past Use: RESIDENTIAL AREA
Potential COC: NONE SPECIFIED

JEFFERSON HOOPER PRIMARY SCHOOL NO. 5 (Continued) **S105840739**

Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: JEFFERSON HOOPER PRIMARY SCHOOL #5
Alias Type: Alternate Name
Alias Name: LA USD-JEFFERSON HOOPER PC #5/VCA
Alias Type: Alternate Name
Alias Name: LAUSD-JEFFERSON HOOPER PC #5
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 304030
Alias Type: Project Code (Site Code)
Alias Name: 304106
Alias Type: Project Code (Site Code)
Alias Name: 19880054
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/20/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/04/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: JEFFERSON HOOPER PRIMARY SCHOOL NO. 5
Address: 52ND STREET/HOOPER AVENUE
City,State,Zip: LOS ANGELES, CA 90011
Facility ID: 19880054
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.85
National Priorities List: NO

JEFFERSON HOOPER PRIMARY SCHOOL NO. 5 (Continued) **S105840739**

Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Mark Malinowski
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304106
Assembly:	59
Senate:	33
Special Program Status:	Not reported
Status:	Inactive - Withdrawn
Status Date:	02/10/2000
Restricted Use:	NO
Funding:	School District
Latitude:	33.99592
Longitude:	-118.2512
APN:	NONE SPECIFIED
Past Use:	RESIDENTIAL AREA
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	JEFFERSON HOOPER PRIMARY SCHOOL #5
Alias Type:	Alternate Name
Alias Name:	LA USD-JEFFERSON HOOPER PC #5/VCA
Alias Type:	Alternate Name
Alias Name:	LAUSD-JEFFERSON HOOPER PC #5
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	304030
Alias Type:	Project Code (Site Code)
Alias Name:	304106
Alias Type:	Project Code (Site Code)
Alias Name:	19880054
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	03/20/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	02/04/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported

JEFFERSON HOOPER PRIMARY SCHOOL NO. 5 (Continued) **S105840739**

Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

M66 **UNITED ALLOYS, INC.** **ENVIROSTOR** **S101480834**
South **900 EAST SLAUSON AVENUE** **CPS-SLIC** **N/A**
1/2-1 **LOS ANGELES, CA 90011** **VCP**
0.592 mi. **CERS**
3124 ft. **Site 2 of 2 in cluster M**

Relative: **Lower**

Actual: **172 ft.**

ENVIROSTOR:

Name:	UNITED ALLOYS, INC.
Address:	900 EAST SLAUSON AVENUE
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	19340754
Status:	Active
Status Date:	11/09/2006
Site Code:	301309
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	1.53
NPL:	NO
Regulatory Agencies:	SMBRP, RWQCB 4 - Los Angeles
Lead Agency:	SMBRP
Program Manager:	Luis Garcia
Supervisor:	Jose Diaz
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	30
Special Program:	Voluntary Cleanup Program
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.98870
Longitude:	-118.2602
APN:	6007003022
Past Use:	DISTRIBUTOR - CHEMICAL, MANUFACTURING - METAL, METAL RECLAMATION, RECYCLING - SCRAP METAL
Potential COC:	* HALOGENATED ORGANIC COMPOUNDS * HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS * ORGANIC LIQUIDS WITH METALS * ORGANIC SOLIDS WITH HALOGENS * OTHER ORGANIC SOLIDS * OXYGENATED SOLVENTS * CONTAMINATED SOIL * TANK BOTTOM WASTES * UNSPECIFIED OIL CONTAINING WASTE * WASTE OIL & MIXED OIL * OFF-SPECIFICATION, AGED, OR SURPLUS INORGANICS * ORGANIC LIQUIDS (NONSOLVENTS) WITH HALOGENS * UNSPECIFIED ORGANIC LIQUID MIXTURE
Confirmed COC:	NONE SPECIFIED
Potential Description:	AQUI, IA, OTH, SOIL, SV, WELL
Alias Name:	UNITED ALLOYS, INC.
Alias Type:	Alternate Name
Alias Name:	6007003022
Alias Type:	APN
Alias Name:	110002138687
Alias Type:	EPA (FRS #)
Alias Name:	SL2049C1722
Alias Type:	GeoTracker Global ID

UNITED ALLOYS, INC. (Continued) **S101480834**

Alias Name: 301309
Alias Type: Project Code (Site Code)
Alias Name: 19340754
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 01/24/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/17/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/31/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Project Management
Completed Date: 06/30/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/04/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/13/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/13/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/13/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/13/2019

UNITED ALLOYS, INC. (Continued) **S101480834**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/13/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 08/04/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/21/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 03/19/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/04/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/26/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 04/23/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 07/06/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/18/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 12/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/14/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/07/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/28/2011
Comments: DTSC requested the installation of additional vapor probes to further define the extent of the vapor plume and to evaluate future remedial action

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/10/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/17/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/10/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/29/2015
Comments: Email sent to United Alloys' technical consultant (Amec Foster Wheeler) on 9/29/2015

Completed Area Name: PROJECT WIDE

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/18/2016
Comments: once the soil vapor extraction (SVE) commenced at the site and that quarterly groundwater sampling be conducted for period of three years (12 quarters) to correspond with the anticipated time required to complete SVE at United Alloys Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/29/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 04/23/2015
Comments: Document submitted on April 23, 2015

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 02/27/2015
Comments: Document submitted on February 27, 2015

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/15/2011
Comments: Sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 08/07/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/24/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/27/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/27/2018
Comments: GWMR review completed

Completed Area Name: PROJECT WIDE

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/30/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/30/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/30/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/12/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 04/16/2019
Comments: Report is accepted. Will continue to operate SVE system.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/12/2019
Comments: received RP response to comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/12/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 11/14/2019
Comments: Pending final DTSC letter on the 2019 1st Qtr SVE OM&M Report, the 2019 2nd Qtr SVE OM&M Report is accepted into Envirostor as is. Changes/revisions may be necessary in the future.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/12/2020
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Document Type: Operation and Maintenance Report
Completed Date: 04/06/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/12/2020
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 04/14/1995
Comments: NFA for DTSC due to local agency lead.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/12/1993
Comments: The Department received a notification from the current owner that a release of hazardous substance occurred at the site. The release occurred from underground storage tanks formerly located on the property. Evidence of contamination was discovered during recent testing of the soil in the former tank area, which is currently located under a concret slab. The USTs were removed prior to United Alloys's purchase of the property. Laboratory results indicated the presence of Trichlorethylene, TPH and low BTEX. Due to the evidence of contamination, staff recommends high priority PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/30/2007
Comments: RWQCB and most recent quarterly groundwater monitoring well sampling submited.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/25/2010
Comments: RP attorney says the case will be settled out of court. Deposition is no longer needed, see attached document and email.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/18/2010
Comments: Sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 09/21/2007
Comments: The Workplan is approved with DTSC recommendations of further characterization.

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/18/2007
Comments: The 3rd Qtr GW MW Report is submitted by the RP and accepted by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/29/2008
Comments: This phase is completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/22/2009
Comments: Installation of SVE Pilot Test infrastructure complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/21/2008
Comments: 2nd Quarter Groundwater Monitoring Report delivered

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/19/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/07/2009
Comments: Received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/18/2009
Comments: Baseline samples taken and installation complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/12/2009
Comments: Document was reviewed, no approval necessary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/22/2009
Comments: Minor comments made, no revision needed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Date: 02/26/2010
Comments: Comments made, no revision required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 02/04/2011
Comments: SVE PT ok, need additional off site characterization.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/29/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 01/30/2013
Comments: Approved with Conditions

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/30/2011
Comments: Reviewed with no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/20/2012
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/22/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/30/2013
Comments: Responses made should now implement workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/29/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 01/21/2014
Comments: Approved with comments.

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/24/2013
Comments: No new changes required, but old requests still needed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 04/16/2013
Comments: Past out to near by businesses and to LAUSD LAAMS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/30/2013
Comments: Vapor Monitoring Wells Installed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/23/2013
Comments: Sent comment letter via email.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 08/06/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 05/27/2014
Comments: 30 Public Comment period will start May 29th

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/28/2014
Comments: No comments made.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/17/2014
Comments: Comment sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 06/26/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Date: 05/28/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/20/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 11/12/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/16/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 04/19/2016
Comments: Approval letter issued on April 19, 2016

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 08/09/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/14/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/11/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/21/2007
Comments: Letter issued on September 21, 2007 approved the work plan and provided recommendation that the comments indicated in the letter must be addressed prior to the startup of Soil Vapor Extraction Pilot Test

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Date: 08/16/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/12/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/19/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/12/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/18/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/14/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/11/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 08/18/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 09/21/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 03/25/2009
Comments: Not reported

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 04/01/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/10/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 04/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/12/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/08/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/28/2015
Comments: SVE System SCAQMD Permit to Operate was submitted to DTSC for filling on July 28, 2015

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/20/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/02/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/06/2019
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Document Type: Monitoring Report
Completed Date: 02/23/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/02/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/15/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 05/18/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/10/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/16/2016
Comments: Report conditionally approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/20/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/26/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/29/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 04/11/2018
Comments: Not reported

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/27/2018
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Completion Report
Future Due Date: 2022
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2023
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CPS-SLIC:
Name: UNITED ALLOYS
Address: 900 EAST SLAUSON AVENUE
City,State,Zip: LOS ANGELES, CA
Region: STATE
Facility Status: **Open - Site Assessment**
Status Date: 01/27/2000
Global Id: SL2049C1722
Lead Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Lead Agency Case Number: 19340754
Latitude: 33.98922
Longitude: -118.259912
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: Not reported
File Location: DTSC
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
Site History: Case tranferred to DTSC on 10/19/06.

Click here to access the California GeoTracker records for this facility:

VCP:
Name: UNITED ALLOYS, INC.
Address: 900 EAST SLAUSON AVENUE
City,State,Zip: LOS ANGELES, CA 90011
Facility ID: 19340754
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.53
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP, RWQCB 4 - Los Angeles
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program

UNITED ALLOYS, INC. (Continued) **S101480834**

Project Manager:	Luis Garcia
Supervisor:	Jose Diaz
Division Branch:	Cleanup Chatsworth
Site Code:	301309
Assembly:	59
Senate:	30
Special Programs Code:	Voluntary Cleanup Program
Status:	Active
Status Date:	11/09/2006
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.98870 / -118.2602
APN:	6007003022
Past Use:	DISTRIBUTOR - CHEMICAL, MANUFACTURING - METAL, METAL RECLAMATION, RECYCLING - SCRAP METAL
Potential COC:	10002, 10003, 10009, 10061, 10063, 10064, 10067, 10097, 10185, 10196, 10199, 20009, 20010, 20017
Confirmed COC:	NONE SPECIFIED
Potential Description:	AQUI, IA, OTH, SOIL, SV, WELL
Alias Name:	UNITED ALLOYS, INC.
Alias Type:	Alternate Name
Alias Name:	6007003022
Alias Type:	APN
Alias Name:	110002138687
Alias Type:	EPA (FRS #)
Alias Name:	SL2049C1722
Alias Type:	GeoTracker Global ID
Alias Name:	301309
Alias Type:	Project Code (Site Code)
Alias Name:	19340754
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	01/24/2007
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	10/17/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	10/31/2018
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Project Management
Completed Date:	06/30/2021
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/04/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/13/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/13/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/13/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/13/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/13/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 08/04/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/21/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 03/19/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/04/2020

UNITED ALLOYS, INC. (Continued) **S101480834**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/26/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 04/23/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 07/06/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/18/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 12/08/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/14/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/07/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/28/2011
Comments: DTSC requested the installation of additional vapor probes to further define the extent of the vapor plume and to evaluate future remedial action

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/10/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/17/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/10/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 09/29/2015
Comments: Email sent to United Alloys' technical consultant (Amec Foster Wheeler) on 9/29/2015

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/18/2016
Comments: once the soil vapor extraction (SVE) commenced at the site and that quarterly groundwater sampling be conducted for period of three years (12 quarters) to correspond with the anticipated time required to complete SVE at United Alloys Site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/29/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 04/23/2015
Comments: Document submitted on April 23, 2015

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 02/27/2015
Comments: Document submitted on February 27, 2015

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/15/2011
Comments: Sent

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 08/07/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/24/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/27/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/27/2018
Comments: GWMR review completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/30/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/30/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/30/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/12/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 04/16/2019
Comments: Report is accepted. Will continue to operate SVE system.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Date: 06/12/2019
Comments: received RP response to comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/12/2019
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 11/14/2019
Comments: Pending final DTSC letter on the 2019 1st Qtr SVE OM&M Report, the 2019 2nd Qtr SVE OM&M Report is accepted into Envirostor as is. Changes/revisions may be necessary in the future.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/12/2020
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 04/06/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/12/2020
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 04/14/1995
Comments: NFA for DTSC due to local agency lead.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 05/12/1993
Comments: The Department received a notification from the current owner that a release of hazardous substance occurred at the site. The release occurred from underground storage tanks formerly located on the property. Evidence of contamination was discovered during recent testing of the soil in the former tank area, which is currently located under a concret slab. The USTs were removed prior to United Alloys's purchase of the property. Laboratory results indicated the presence of Trichlorethylene, TPH and low BTEX. Due to the evidence of contamination, staff recommends high priority PEA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 03/30/2007
Comments: RWQCB and most recent quarterly groundwater monitoring well sampling submited.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/25/2010
Comments: RP attorney says the case will be settled out of court. Deposition is no longer needed, see attached document and email.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/18/2010
Comments: Sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 09/21/2007
Comments: The Workplan is approved with DTSC recommendations of further characterization.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/18/2007
Comments: The 3rd Qtr GW MW Report is submitted by the RP and accepted by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/29/2008
Comments: This phase is completed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/22/2009
Comments: Installation of SVE Pilot Test infrastructure complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/21/2008
Comments: 2nd Quarter Groundwater Monitoring Report delivered

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/19/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Document Type: Monitoring Report
Completed Date: 05/07/2009
Comments: Received

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 06/18/2009
Comments: Baseline samples taken and installation complete.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/12/2009
Comments: Document was reviewed, no approval necessary.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/22/2009
Comments: Minor comments made, no revision needed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/26/2010
Comments: Comments made, no revision required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 02/04/2011
Comments: SVE PT ok, need additional off site characterization.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/29/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 01/30/2013
Comments: Approved with Conditions

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/30/2011
Comments: Reviewed with no comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/20/2012
Comments: Not reported

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/22/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 01/30/2013
Comments: Responses made should now implement workplan.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 03/29/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 01/21/2014
Comments: Approved with comments.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/24/2013
Comments: No new changes required, but old requests still needed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 04/16/2013
Comments: Past out to near by businesses and to LAUSD LAAMS.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 04/30/2013
Comments: Vapor Monitoring Wells Installed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/23/2013
Comments: Sent comment letter via email.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 08/06/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Date: 05/27/2014
Comments: 30 Public Comment period will start May 29th

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/28/2014
Comments: No comments made.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/17/2014
Comments: Comment sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 06/26/2014
Comments: Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 05/28/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/20/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 11/12/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/16/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 04/19/2016
Comments: Approval letter issued on April 19, 2016

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 08/09/2016
Comments: Not reported

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/14/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/11/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/21/2007
Comments: Letter issued on September 21, 2007 approved the work plan and provided recommendation that the comments indicated in the letter must be addressed prior to the startup of Soil Vapor Extraction Pilot Test

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 08/16/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/12/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 10/19/2010
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/12/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/18/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 01/14/2011
Comments: Not reported

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/11/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Well Completion Report
Completed Date: 08/18/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 09/21/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 03/25/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 04/01/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/10/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 04/30/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 12/12/2014
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/08/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Date: 07/28/2015
Comments: SVE System SCAQMD Permit to Operate was submitted to DTSC for filling on July 28, 2015

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 08/20/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/02/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/06/2019
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 02/23/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 09/02/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/15/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 05/18/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/10/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 11/16/2016
Comments: Report conditionally approved

UNITED ALLOYS, INC. (Continued) **S101480834**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 04/20/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 07/26/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/29/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 04/11/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/27/2018
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Remedial Action Completion Report
Future Due Date: 2022
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2023
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CERS:
Name: UNITED ALLOYS
Address: 900 EAST SLAUSON AVENUE
City,State,Zip: LOS ANGELES, CA
Site ID: 249044
CERS ID: SL2049C1722
CERS Description: Cleanup Program Site

N67 **J&A FURNITURE** **ENVIROSTOR** **S105954426**
SSE **5815 SOUTH CENTRAL AVE.** **N/A**
1/2-1 **LOS ANGLES, CA 90001**
0.596 mi.
3146 ft. **Site 3 of 4 in cluster N**

Relative: **Lower**

Actual: **173 ft.**

ENVIROSTOR:

Name:	J&A FURNITURE
Address:	5815 SOUTH CENTRAL AVE.
City,State,Zip:	LOS ANGLES, CA 90001
Facility ID:	19570001
Status:	No Further Action
Status Date:	05/21/2003
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0.75
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Not reported
Supervisor:	Rita Kamat
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98992
Longitude:	-118.2567
APN:	NONE SPECIFIED
Past Use:	PAINT/DEPAINT FACILITY, RETAIL
Potential COC:	Acetone Dibutyl phthalate Ethyl acetate Toluene
Confirmed COC:	30550-NO 30032-NO 30183-NO 30270-NO
Potential Description:	SOIL
Alias Name:	J&A FURNITURE
Alias Type:	Alternate Name
Alias Name:	19570001
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	05/21/2003
Comments:	A Preliminary Assessment was conducted for the site located in South-Central Los Angeles. No evidence of hazardous substances usage was found.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

68
SSE
1/2-1
0.601 mi.
3175 ft.

LOS ANGELES MILLWORK COMPANY
936 EAST SLAUSON AVENUE
LOS ANGELES, CA 90011

ENVIROSTOR
HWTS

S102860855
N/A

Relative:
Lower

Actual:
173 ft.

ENVIROSTOR:

Name:	LOS ANGELES MILLWORK COMPANY
Address:	936 EAST SLAUSON AVENUE
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	19240004
Status:	No Further Action
Status Date:	10/17/1994
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	0
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	30
Special Program:	* Site Char & Assess Grant (CERCLA 104)
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.98872
Longitude:	-118.2588
APN:	6007003007
Past Use:	NONE
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	31000-NO
Potential Description:	NMA
Alias Name:	PACIFIC MANUFACTURING COMPANY
Alias Type:	Alternate Name
Alias Name:	6007003007
Alias Type:	APN
Alias Name:	CAD008253023
Alias Type:	EPA Identification Number
Alias Name:	19240004
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	10/27/1994
Comments:	Database verification project confirms NFA for DTSC.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	12/01/1985
Comments:	SOURCE ACT: CABINET WORK,SMALL AMOUNT OF LAMINATING BY HAND. SOME PAINTING AT THE BLDG ON #944 IN PAST. FAC TYPE: 20 YRS AGO INCINERATION. NOW ALL WASTES ARE DIS CARDED IN A REGULAR TRASH BIN SUBMIT TO EPA PRELIM ASSESS DONE CERCLA 104

LOS ANGELES MILLWORK COMPANY (Continued) **S102860855**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/22/1982
Comments: FACILITY IDENTIFIED L.A. CHAM OF COMM BUS DIR 1966

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HWTS:
Name: LOS MORALES TRUCKING INC.
Address: 936 E SLAUSON AVE
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90011
EPA ID: CAC003067959
Inactive Date: 08/21/2020
Create Date: 05/22/2020
Last Act Date: 08/22/2020
Mailing Name: Not reported
Mailing Address: 936 E SLAUSON AVE
Mailing Address 2: Not reported
Mailing City,State,Zip: LOS ANGELES, CA 90011
Owner Name: EDWARD MORALES
Owner Address: 936 E SLAUSON AVE
Owner Address 2: Not reported
Owner City,State,Zip: LOS ANGELES, CA 90011
Contact Name: BLANCA MORALES
Contact Address: 936 E SLAUSON AVE
Contact Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90011

NAICS:
EPA ID: CAC003067959
Create Date: 2020-05-22 12:26:00.203
NAICS Code: 811111
NAICS Description: General Automotive Repair
Issued EPA ID Date: 2020-05-22 12:26:00.22000
Inactive Date: 2020-08-21 12:26:00.19000
Facility Name: LOS MORALES TRUCKING INC.
Facility Address: 936 E SLAUSON AVE
Facility Address 2: Not reported
Facility City: LOS ANGELES
Facility County: Not reported
Facility State: CA
Facility Zip: 90011

N69 **AMERICAN LABS & RECOVERY INC** **HWP** **S102818075**
SE **1116 E 58TH ST** **N/A**
1/2-1 **LOS ANGELES, CA 90011**
0.612 mi.
3232 ft. **Site 4 of 4 in cluster N**

Relative:
Lower

Actual:
173 ft.

HWP:

EPA ID:	CAL000099147
Name:	AMERICAN LABS & RECOVERY INC
Address:	1116 E 58TH ST
Cleanup Status:	NON-OPERATING
Latitude:	33.99023
Longitude:	-118.2560
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Senate District:	33
Assembly District:	59
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	This facility submitted an application for standardized permit (part A submittal) dated 12/7/93 to operate under interim status. on 3/7/94, DTSC sent a notice to facility denial to operate under interim status because facility was not engaged in operation as of 9/1/92 and thus could not qualify for interim status. The notice suggests that facility get a concent agreement to operate.
Project Manager Lead:	Not reported
Project Manager:	Not reported
Permit Type:	Not reported
Permit Effective Date:	Not reported
Permit Expiration Date:	Not reported
Calenviroscreen Score:	96-100% (highest scores)
Total Planned Hours:	Not reported
Total Planned Amount:	Not reported
Total Actual Hours:	Not reported

Activities:

EPA ID:	CAL000099147
Facility Type:	Historical - Non-Operating
Facility Name:	AMERICAN LABS & RECOVERY INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Status:	NON-OPERATING
Activity Type:	New Operating Permit
Permit Being Renewed:	Not reported
Permit Being Modified:	Not reported
Final Date:	Not reported
Type:	STND
Title Description:	New Permit
Due Date:	Not reported
Comments:	Facility submitted notification to operate under interim status. DTSC denied this notification.
Unit Names:	Not reported
Event Description:	New Operating Permit - APPLICATION PART A RECEIVED
Actual Date:	12/17/1993

70 North 1/2-1 0.615 mi. 3246 ft. | **JEFFERSON NEW ELEMENTARY SCHOOL NO. 2**
MCKINLEY AVENUE/42ND STREET
LOS ANGELES, CA 90011 | **ENVIROSTOR SCH** | **S105628480 N/A**

Relative: Higher

Actual: 194 ft.

ENVIROSTOR:

Name:	JEFFERSON NEW ELEMENTARY SCHOOL NO. 2
Address:	MCKINLEY AVENUE/42ND STREET
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	19010029
Status:	No Further Action
Status Date:	08/06/2002
Site Code:	304269
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	4
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	53
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.05227
Longitude:	-118.2527
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	DDD DDE DDT
Confirmed COC:	30006-NO 30007-NO 30008-NO
Potential Description:	SOIL
Alias Name:	JEFFERSON NEW ELEMENTARY SCH. #2 (PROP)
Alias Type:	Alternate Name
Alias Name:	JEFFERSON NEW ELEMENTARY SCHOOL #2
Alias Type:	Alternate Name
Alias Name:	LAUSD-JEFFERSON NEW ELEMENTARY NO. 2
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	304269
Alias Type:	Project Code (Site Code)
Alias Name:	19010029
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	08/06/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000

JEFFERSON NEW ELEMENTARY SCHOOL NO. 2 (Continued) **S105628480**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/06/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 05/11/2001
Comments: Further Action determined

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 03/29/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Workplan
Completed Date: 11/06/2001
Comments: PEA workplan accepted

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: JEFFERSON NEW ELEMENTARY SCHOOL NO. 2
Address: MCKINLEY AVENUE/42ND STREET
City,State,Zip: LOS ANGELES, CA 90011
Facility ID: 19010029
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 4
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304269
Assembly: 53
Senate: 30
Special Program Status: Not reported

JEFFERSON NEW ELEMENTARY SCHOOL NO. 2 (Continued) **S105628480**

Status:	No Further Action
Status Date:	08/06/2002
Restricted Use:	NO
Funding:	School District
Latitude:	34.05227
Longitude:	-118.2527
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	DDD, DDE, DDT
Confirmed COC:	30006-NO, 30007-NO, 30008-NO
Potential Description:	SOIL
Alias Name:	JEFFERSON NEW ELEMENTARY SCH. #2 (PROP)
Alias Type:	Alternate Name
Alias Name:	JEFFERSON NEW ELEMENTARY SCHOOL #2
Alias Type:	Alternate Name
Alias Name:	LAUSD-JEFFERSON NEW ELEMENTARY NO. 2
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	304269
Alias Type:	Project Code (Site Code)
Alias Name:	19010029
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	08/06/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	11/06/2001
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	05/11/2001
Comments:	Further Action determined
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Report
Completed Date:	03/29/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Workplan

JEFFERSON NEW ELEMENTARY SCHOOL NO. 2 (Continued) **S105628480**

Completed Date:	11/06/2001
Comments:	PEA workplan accepted
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

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71 SSW 1/2-1 0.617 mi. 3258 ft. **CALIFORNIA METAL -X** **366 EAST 58TH STREET** **LOS ANGELES, CA 90011** **ENVIROSTOR WDS** **S105954456 N/A**

Relative: Lower

Actual: 165 ft.

ENVIROSTOR:

Name:	CALIFORNIA METAL-X (CMX)
Address:	366 EAST 58TH STREET
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	19210003
Status:	Inactive - Action Required
Status Date:	05/15/2002
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1.65
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98956
Longitude:	-118.2682
APN:	5101007003
Past Use:	RECYCLING - SCRAP METAL
Potential COC:	Arsenic Lead Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC:	30001-NO 30013-NO 30022-NO 30027-NO
Potential Description:	OTH, SOIL, SV
Alias Name:	CALIFORNIA METAL-X (CNX)
Alias Type:	Alternate Name
Alias Name:	CMX
Alias Type:	Alternate Name
Alias Name:	5101007003
Alias Type:	APN
Alias Name:	CAC000545048
Alias Type:	EPA Identification Number
Alias Name:	CASFN0905543---

CALIFORNIA METAL -X (Continued) **S105954456**

Alias Type: EPA Identification Number
Alias Name: 19210003
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 05/15/2002
Comments: EPA approved PA on 5/15/2002, minor revisions to PA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 07/12/1999
Comments: Site Screening Completed

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

WDS:
Name: CALIFORNIA METAL -X
Address: 366 EAST 58TH STREET
City: LOS ANGELES
Facility ID: 4 19I000881
Facility Type: Not reported
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4
Facility Telephone: Not reported
Facility Contact: Not reported
Agency Name: CALIFORNIA METAL
Agency Address: Not reported
Agency City,St,Zip: 0
Agency Contact: Not reported
Agency Telephone: Not reported
Agency Type: Not reported
SIC Code: 0
SIC Code 2: Not reported
Primary Waste Type: Not reported
Primary Waste: Not reported
Waste Type2: Not reported
Waste2: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 0
Baseline Flow: 0

CALIFORNIA METAL -X (Continued) **S105954456**

Reclamation:	Not reported
POTW:	Not reported
Treat To Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

72
ESE
1/2-1
0.647 mi.
3418 ft.

HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 2A **ENVIROSTOR** **S107736475**
55TH STREET/HOOPER AVENUE/56TH STREET **SCH** **N/A**
LOS ANGELES, CA 90011

Relative:
Lower

Actual:
179 ft.

ENVIROSTOR:

Name:	HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 2A
Address:	55TH STREET/HOOPER AVENUE/56TH STREET
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	19880075
Status:	Inactive - Withdrawn
Status Date:	03/20/2000
Site Code:	304158
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	1.85
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Mark Malinowski
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	59
Senate:	33
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.99297
Longitude:	-118.2512
APN:	NONE SPECIFIED
Past Use:	RESIDENTIAL AREA
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	HOOPER/MIRAMONTE PRIMARY SCHOOL #2A
Alias Type:	Alternate Name
Alias Name:	LAUSD-HOOPER/MIRAMONTE PRIMARY #2A/CDE
Alias Type:	Alternate Name
Alias Name:	LAUSD-HOOPER/MIRAMONTE PRIMARY #2A/VCA
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT

HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 2A (Continued) **S107736475**

Alias Type: Alternate Name
Alias Name: 304075
Alias Type: Project Code (Site Code)
Alias Name: 304158
Alias Type: Project Code (Site Code)
Alias Name: 19880075
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/11/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/20/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 01/20/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 2A
Address: 55TH STREET/HOOPER AVENUE/56TH STREET
City,State,Zip: LOS ANGELES, CA 90011
Facility ID: 19880075
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1.85
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program

HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 2A (Continued) **S107736475**

Project Manager:	Not reported
Supervisor:	Mark Malinowski
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304158
Assembly:	59
Senate:	33
Special Program Status:	Not reported
Status:	Inactive - Withdrawn
Status Date:	03/20/2000
Restricted Use:	NO
Funding:	School District
Latitude:	33.99297
Longitude:	-118.2512
APN:	NONE SPECIFIED
Past Use:	RESIDENTIAL AREA
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	HOOPER/MIRAMONTE PRIMARY SCHOOL #2A
Alias Type:	Alternate Name
Alias Name:	LAUSD-HOOPER/MIRAMONTE PRIMARY #2A/CDE
Alias Type:	Alternate Name
Alias Name:	LAUSD-HOOPER/MIRAMONTE PRIMARY #2A/VCA
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	304075
Alias Type:	Project Code (Site Code)
Alias Name:	304158
Alias Type:	Project Code (Site Code)
Alias Name:	19880075
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	02/11/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	03/20/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	01/20/2000
Comments:	Not reported

HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 2A (Continued) **S107736475**

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

O73 **NAVARRO PROPERTY** **RESPONSE** **S107736859**
SE **1250-1256 EAST 57TH STREET** **ENVIROSTOR** **N/A**
1/2-1 **LOS ANGELES, CA 90011** **LIENS**
0.655 mi. **CERS**
3461 ft. **Site 1 of 2 in cluster O**

Relative: **Lower**

Actual: **175 ft.**

RESPONSE:

Name:	NAVARRO PROPERTY
Address:	1250-1256 EAST 57TH STREET
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	70000049
Site Type:	State Response
Site Type Detail:	State Response or NPL
Acres:	0.25
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Jessy Fierro
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Site Code:	301258
Site Mgmt. Req.:	NONE SPECIFIED
Assembly:	59
Senate:	33
Special Program Status:	EPA - Target Site Investigation
Status:	Certified
Status Date:	05/23/2007
Restricted Use:	NO
Funding:	Orphan Funds
Latitude:	33.99085
Longitude:	-118.2529
APN:	5104-026-005, 5104-026-006, 5104026005, 5104026006
Past Use:	METAL PLATING - OTHER
Potential COC :	Arsenic Total Chromium (1:6 ratio Cr VI:Cr III Lead Iron Nickel Zinc
Confirmed COC:	Iron Nickel Arsenic Total Chromium (1:6 ratio Cr VI:Cr III Lead Zinc
Potential Description:	SOIL
Alias Name:	5104-026-005
Alias Type:	APN
Alias Name:	5104-026-006
Alias Type:	APN
Alias Name:	5104026005
Alias Type:	APN
Alias Name:	5104026006
Alias Type:	APN
Alias Name:	CAN000905753
Alias Type:	CERCLIS ID
Alias Name:	110033611358
Alias Type:	EPA (FRS #)

NAVARRO PROPERTY (Continued) **S107736859**

Alias Name: 301258
Alias Type: Project Code (Site Code)
Alias Name: 70000049
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 06/19/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 05/23/2007
Comments: The Removal Action conducted at the Site and adjacent residences has been completed. A total of 841 tons of contaminated soil has been removed from the site. Based on the data from the confirmation sampling, the site has been deemed appropriate for residential use.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 01/31/2007
Comments: Lien recorded with L.A.County for Removal Action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/15/2006
Comments: The PEA sampling results indicated elevated levels of metals and VOCs. DTCS has prepared a Time Critical Removal Action Workplan to adress the contamination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Time Critical Removal Action Workplan
Completed Date: 07/17/2006
Comments: The TCRAW, prepared by DTSC, describes the removal of metals contamination soil for residential cleanup levels. The Removal Activities are planned for July 24 - August 11.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/13/2006
Comments: DTSC Contractors completed the removal of contaminated soil and grading in the Site and alleyway.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/13/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

NAVARRO PROPERTY (Continued) **S107736859**

Completed Document Type: Removal Action Completion Report
Completed Date: 05/23/2007
Comments: Approximately 841 tons of metals contaminated soil was removed from the site. Based on confirmation samplings and a risk evaluation, DTSC considers this site acceptable for residential use.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 10/13/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 10/30/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 03/20/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/15/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 03/31/2004
Comments: Based on historical operating information, site inspection and XRF data, DTSC recommended further action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/01/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Work Order
Completed Date: 07/17/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/01/2006
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported

NAVARRO PROPERTY (Continued) **S107736859**

Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Name: NAVARRO PROPERTY
Address: 1250-1256 EAST 57TH STREET
City,State,Zip: LOS ANGELES, CA 90011
Facility ID: 70000049
Status: Certified
Status Date: 05/23/2007
Site Code: 301258
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 0.25
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Jessy Fierro
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Assembly: 59
Senate: 33
Special Program: EPA - Target Site Investigation
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Orphan Funds
Latitude: 33.99085
Longitude: -118.2529
APN: 5104-026-005, 5104-026-006, 5104026005, 5104026006
Past Use: METAL PLATING - OTHER
Potential COC: Arsenic Total Chromium (1:6 ratio Cr VI:Cr III Lead Iron Nickel Zinc
Confirmed COC: Iron Nickel Arsenic Total Chromium (1:6 ratio Cr VI:Cr III Lead Zinc
Potential Description: SOIL
Alias Name: 5104-026-005
Alias Type: APN
Alias Name: 5104-026-006
Alias Type: APN
Alias Name: 5104026005
Alias Type: APN
Alias Name: 5104026006
Alias Type: APN
Alias Name: CAN000905753
Alias Type: CERCLIS ID
Alias Name: 110033611358
Alias Type: EPA (FRS #)
Alias Name: 301258
Alias Type: Project Code (Site Code)
Alias Name: 70000049
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE

NAVARRO PROPERTY (Continued) **S107736859**

Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 06/19/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 05/23/2007
Comments: The Removal Action conducted at the Site and adjacent residences has been completed. A total of 841 tons of contaminated soil has been removed from the site. Based on the data from the confirmation sampling, the site has been deemed appropriate for residential use.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Lien
Completed Date: 01/31/2007
Comments: Lien recorded with L.A.County for Removal Action.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/15/2006
Comments: The PEA sampling results indicated elevated levels of metals and VOCs. DTCS has prepared a Time Critical Removal Action Workplan to adress the contamination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Time Critical Removal Action Workplan
Completed Date: 07/17/2006
Comments: The TCRAW, prepared by DTSC, describes the removal of metals contamination soil for residential cleanup levels. The Removal Activities are planned for July 24 - August 11.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 09/13/2006
Comments: DTSC Contractors completed the removal of contaminated soil and grading in the Site and alleyway.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 07/13/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 05/23/2007
Comments: Approximately 841 tons of metals contaminated soil was removed from the site. Based on confirmation samplings and a risk evaluation, DTSC considers this site acceptable for residential use.

NAVARRO PROPERTY (Continued) **S107736859**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	10/13/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	10/30/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	*Correspondence - Received
Completed Date:	03/20/2007
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	02/15/2011
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	03/31/2004
Comments:	Based on historical operating information, site inspection and XRF data, DTSC recommended further action.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	State/Federal Funded Site Contract
Completed Date:	06/01/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	State/Federal Funded Site Work Order
Completed Date:	07/17/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	State/Federal Funded Site Contract
Completed Date:	06/01/2006
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported

NAVARRO PROPERTY (Continued) **S107736859**

Schedule Revised Date: Not reported

LIENS:

Name:	NAVARRO PROPERTY
City,State,Zip:	LOS ANGELES, CA 90011
Envirostor Id:	70000049
Latitude:	33.990855
Longitude:	-118.25292
Project Mgr:	JESSY FIERRO
Project Code:	301258
If Satisfied:	NO
Date Satisfied:	Not reported
Site Status:	CERTIFIED
Site Type:	STATE RESPONSE OR NPL
Completed:	01/31/2007
Lien Amount:	$371,200
Amount Remaining:	Not reported
APNS:	5104-026-005, 5104-026-006, 5104026005, 5104026006
Description:	Historic records indicate that a wire works and an iron and wire warehouse operated at the site from at least 1922 through the 1960s. The Site building was most recently used for nickel, copper, and chromium plating operations from the 1960s through 1990. The US-EPA Emergency Response Section performed a Site inspection and enforcement sampling on April 13, 2004 and a surface soils assessment on April 22, 2004. Removal activities were initiated on June 10 and were completed on June 16, 2004. Removal activities included removal of all wastes and containers from the building, removal of empty drums from the side yard on the east side of the building, removal of four to six inches of soil from the northern portion of the property, removal of a four-foot-square slab of concrete in the building, removal of any compromised concrete flooring in the plating area and sweeping of the floors. The site has been secured by chain-link fencing during the investigation and remediation phase. DTSC's investigation revealed elevated levels of metals: chromium ranging from 591 mg/kg to 49,700 mg/kg, copper from 1,065 mg/kg to 84,900 mg/kg, iron from 20,400 mg/kg to 108,000 mg/kg, lead ranging from 395 mg/kg to 3,715 mg/kg, nickel from 410 mg/kg to 44,500 mg/kg.

CERS:

Name:	NAVARRO PROPERTY
Address:	1250-1256 EAST 57TH STREET
City,State,Zip:	LOS ANGELES, CA 90011
Site ID:	340495
CERS ID:	70000049
CERS Description:	State Response

Affiliation:

Affiliation Type Desc:	Lead Project Manager
Entity Name:	JESSY FIERRO
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	CHATSWORTH
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

NAVARRO PROPERTY (Continued) **S107736859**

Affiliation Type Desc:	Supervisor
Entity Name:	JULI PROPES
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

P74 **PETERSON SHOW CASE & FIXTURE CO.** **SEMS-ARCHIVE** **1001491905**
SW **301 E 58TH STREET** **ENVIROSTOR** **CASFN0905562**
1/2-1 **LOS ANGELES, CA 90011**
0.664 mi.
3504 ft. **Site 1 of 2 in cluster P**

Relative: **Lower**
Actual: **163 ft.**

SEMS Archive:

Site ID:	0905562
EPA ID:	CASFN0905562
Name:	PETERSON SHOW CASE & FIXTURE CO.
Address:	301 E 58TH STREET
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90011
Cong District:	Not reported
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0905562
EPA ID:	CASFN0905562
Site Name:	PETERSON SHOW CASE & FIXTURE CO.
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2001-09-21 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0905562
EPA ID:	CASFN0905562
Site Name:	PETERSON SHOW CASE & FIXTURE CO.
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1999-12-07 05:00:00
Finish Date:	1999-12-07 05:00:00

PETERSON SHOW CASE & FIXTURE CO. (Continued) **1001491905**

Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0905562
EPA ID:	CASFN0905562
Site Name:	PETERSON SHOW CASE & FIXTURE CO.
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	2001-04-04 04:00:00
Qual:	N
Current Action Lead:	St Perf

ENVIROSTOR:

Name:	PETERSON SHOWCASE & FIXTURE COMPANY
Address:	301 EAST 58TH STREET
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	19250030
Status:	Inactive - Needs Evaluation
Status Date:	10/29/2001
Site Code:	300873
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Assembly:	59
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.99023
Longitude:	-118.2696
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* HALOGENATED ORGANIC COMPOUNDS
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CALIFORNIA METAL - X
Alias Type:	Alternate Name
Alias Name:	CMX
Alias Type:	Alternate Name
Alias Name:	PETERSON SHOWCASE & FIXTURE COMPANY
Alias Type:	Alternate Name
Alias Name:	CASFN0905562
Alias Type:	EPA Identification Number

PETERSON SHOW CASE & FIXTURE CO. (Continued) **1001491905**

Alias Name: 300873
Alias Type: Project Code (Site Code)
Alias Name: 19250030
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 04/04/2001
Comments: Abbreviated Preliminary Assessment completed. No Further Action for U.S. EPA but contamination exists.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 07/12/1999
Comments: Site Screening Completed

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

O75 **HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 9** **ENVIROSTOR** **S107736478**
SE **56TH STREET/HOOPER AVENUE/57TH STREET** **SCH** **N/A**
1/2-1 **LOS ANGELES, CA 90011**
0.679 mi.
3583 ft. **Site 2 of 2 in cluster O**

Relative: **Lower**
Actual: **175 ft.**

ENVIROSTOR:
Name: HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 9
Address: 56TH STREET/HOOPER AVENUE/57TH STREET
City,State,Zip: LOS ANGELES, CA 90011
Facility ID: 19590017
Status: Inactive - Withdrawn
Status Date: 03/20/2000
Site Code: 304162
Site Type: School Investigation
Site Type Detailed: School
Acres: 1.81
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 59
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District

HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 9 (Continued) **S107736478**

Latitude: 33.99116
Longitude: -118.2521
APN: NONE SPECIFIED
Past Use: * RETIAL - MISC.
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: HOOPER/MIRAMONTE PRIMARY SCHOOL #9
Alias Type: Alternate Name
Alias Name: LAUSD-HOOPER/MIRAMONTE PRIMARY #9/CDE
Alias Type: Alternate Name
Alias Name: LAUSD-HOOPER/MIRAMONTE PRIMARY #9/VCA
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 304079
Alias Type: Project Code (Site Code)
Alias Name: 304162
Alias Type: Project Code (Site Code)
Alias Name: 19590017
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/11/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/20/2000
Comments: COMPLETED: PROJECT DROPPED BY LAUSD AFTER THE PHASE I DETERMINATION.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 9
Address: 56TH STREET/HOOPER AVENUE/57TH STREET
City,State,Zip: LOS ANGELES, CA 90011
Facility ID: 19590017

HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 9 (Continued) **S107736478**

Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	1.81
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Mark Malinowski
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304162
Assembly:	59
Senate:	33
Special Program Status:	Not reported
Status:	Inactive - Withdrawn
Status Date:	03/20/2000
Restricted Use:	NO
Funding:	School District
Latitude:	33.99116
Longitude:	-118.2521
APN:	NONE SPECIFIED
Past Use:	* RETIAL - MISC.
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	HOOPER/MIRAMONTE PRIMARY SCHOOL #9
Alias Type:	Alternate Name
Alias Name:	LAUSD-HOOPER/MIRAMONTE PRIMARY #9/CDE
Alias Type:	Alternate Name
Alias Name:	LAUSD-HOOPER/MIRAMONTE PRIMARY #9/VCA
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	304079
Alias Type:	Project Code (Site Code)
Alias Name:	304162
Alias Type:	Project Code (Site Code)
Alias Name:	19590017
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	02/11/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	03/20/2000

HOOPER/MIRAMONTE PRIMARY SCHOOL NO. 9 (Continued) **S107736478**

Comments: COMPLETED: PROJECT DROPPED BY LAUSD AFTER THE PHASE I DETERMINATION.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

76
SE
1/2-1
0.679 mi.
3587 ft.

AMERICAN BUMPER SALES
1150 EAST SLAUSON AVENUE
LOS ANGELES, CA 90011

ENVIROSTOR **S105954465**
N/A

Relative:
Lower

Actual:
172 ft.

ENVIROSTOR:
Name: AMERICAN BUMPER SALES
Address: 1150 EAST SLAUSON AVENUE
City,State,Zip: LOS ANGELES, CA 90011
Facility ID: 19750098
Status: Inactive - Action Required
Status Date: 06/30/2003
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 1
NPL: NO
Regulatory Agencies: US EPA
Lead Agency: US EPA
Program Manager: Not reported
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Assembly: 59
Senate: 30, 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.98931
Longitude: -118.2548
APN: NONE SPECIFIED
Past Use: MACHINE SHOP, METAL FINISHING, METAL RECLAMATION
Potential COC: * UNSPECIFIED SOLVENT MIXTURES * WASTE OIL & MIXED OIL Lead
Confirmed COC: NONE SPECIFIED
Potential Description: AQUI, SOIL, SV
Alias Name: SLAUSON TRANSMISSIONS
Alias Type: Alternate Name
Alias Name: TZENG LONG USA, INC.
Alias Type: Alternate Name
Alias Name: CAN000905880
Alias Type: CERCLIS ID
Alias Name: 19750098
Alias Type: Envirostor ID Number

Completed Info:

AMERICAN BUMPER SALES (Continued) **S105954465**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/30/2003
Comments:	Completed Preliminary Assessment of American Bemper Sales for Federal EPA.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Q77 **SLAUSON-CENTRAL SHOPPING CENTER REDEVELOPMENT PROJ** **ENVIROSTOR** **S109348515**
SSE **SLAUSON, S. CENTRAL, E. GAGE, AVALON** **VCP** **N/A**
1/2-1 **LOS ANGELES, CA 90001** **DEED**
0.683 mi.
3607 ft. **Site 1 of 2 in cluster Q**

Relative: **Lower**
Actual: **171 ft.**

ENVIROSTOR:

Name:	SLAUSON-CENTRAL SHOPPING CENTER REDEVELOPMENT PROJECT
Address:	SLAUSON, S. CENTRAL, E. GAGE, AVALON
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	19300240
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	07/02/2013
Site Code:	300883
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	6
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Fatima Carrera
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	30
Special Program:	Polanco Redevelopment MOA
Restricted Use:	YES
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.98836
Longitude:	-118.2569
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - OTHER, TRANSFORMER REPAIR, VEHICLE MAINTENANCE, MANUFACTURING - METAL
Potential COC:	Arsenic TPH-MOTOR OIL Lead, Organic (tetraethyl lead Lead Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas TPH-MOTOR OIL
Confirmed COC:	30343-NO 30001-NO 3002502-NO
Potential Description:	OTH, SOIL, UE
Alias Name:	110033620632
Alias Type:	EPA (FRS #)

SLAUSON-CENTRAL SHOPPING CENTER REDEVELOPMENT PROJECT (Continued) **S109348515**

Alias Name: 300846
Alias Type: Project Code (Site Code)
Alias Name: 300881
Alias Type: Project Code (Site Code)
Alias Name: 300882
Alias Type: Project Code (Site Code)
Alias Name: 300883
Alias Type: Project Code (Site Code)
Alias Name: 19300240
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 05/25/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 10/03/2008
Comments: Informal meeting held with CRA/LA staff and its consultant, the Planning Center to discuss upcoming activities on the site and proposed schedule for submitting documents and commencing field activities.The defincies in the report were discussed at the meeting and CRA/LA was asked to include those in the PMP Addendum.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 10/19/2011
Comments: PMP was apprvoed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 02/20/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 12/30/2008
Comments: PMP addendum was conditionally approved with a set of comments to be incorporated in fieldwork.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 07/06/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/23/2012
Comments: SVE Remediation

SLAUSON-CENTRAL SHOPPING CENTER REDEVELOPMENT PROJECT (Continued) **S109348515**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 05/02/2013
Comments: Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 09/09/2015
Comments: Personally observed that subject property is a shopping center

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/11/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/12/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 11/16/2000
Comments: DTSC entered into a Voluntary Cleanup Agreement (VCA) (Docket Number HSA-A 00/01-098) with the City of Los Angeles Community Redevelopment Agency (Proponent). The purpose of this Agreement is for the Proponent to conduct three Preliminary Endangerment Assessments under the oversight of DTSC for the following properties: 1) proposed Slauson-Central Retail Plaza, 2) proposed United LA Alloys Industrial Expansion, and 3) pro- posed Apex Patterns Industrial Expansion Property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/18/2019
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 05/02/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consultative Service Agreement
Completed Date: 02/06/2013
Comments: contract executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

SLAUSON-CENTRAL SHOPPING CENTER REDEVELOPMENT PROJECT (Continued) **S109348515**

Completed Document Type: Land Use Restriction
Completed Date: 04/29/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 08/13/2014
Comments: see attached letter,

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 10/20/2011
Comments: NOE was filed for the project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 01/08/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 03/21/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 11/01/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Polanco Agreement
Completed Date: 10/28/2004
Comments: VCA was terminated, Project Environmental Oversight Agreement was signed with term of November 1, 2004 through November 1, 2006.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: SLAUSON-CENTRAL SHOPPING CENTER REDEVELOPMENT PROJECT
Address: SLAUSON, S. CENTRAL, E. GAGE, AVALON
City,State,Zip: LOS ANGELES, CA 90001
Facility ID: 19300240
Site Type: Voluntary Cleanup

SLAUSON-CENTRAL SHOPPING CENTER REDEVELOPMENT PROJECT (Continued) **S109348515**

Site Type Detail:	Voluntary Cleanup
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	6
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Fatima Carrera
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Site Code:	300883
Assembly:	59
Senate:	30
Special Programs Code:	Polanco Redevelopment MOA
Status:	Certified O&M - Land Use Restrictions Only
Status Date:	07/02/2013
Restricted Use:	YES
Funding:	Responsible Party
Lat/Long:	33.98836 / -118.2569
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - OTHER, TRANSFORMER REPAIR, VEHICLE MAINTENANCE, MANUFACTURING - METAL
Potential COC:	30001, 3002502, 30343, 30013, 30018, 30019, 30024, 30025, 3002502
Confirmed COC:	, ,30343-NO,30001-NO,3002502-NO
Potential Description:	OTH, SOIL, UE
Alias Name:	110033620632
Alias Type:	EPA (FRS #)
Alias Name:	300846
Alias Type:	Project Code (Site Code)
Alias Name:	300881
Alias Type:	Project Code (Site Code)
Alias Name:	300882
Alias Type:	Project Code (Site Code)
Alias Name:	300883
Alias Type:	Project Code (Site Code)
Alias Name:	19300240
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	05/25/2006
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Workplan
Completed Date:	10/03/2008
Comments:	Informal meeting held with CRA/LA staff and its consultant, the Planning Center to discuss upcoming activities on the site and proposed schedule for submitting documents and commencing field activities.The defincies in the report were discussed at the meeting and CRA/LA was asked to include those in the PMP Addendum.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Plan

SLAUSON-CENTRAL SHOPPING CENTER REDEVELOPMENT PROJECT (Continued) **S109348515**

Completed Date: 10/19/2011
Comments: PMP was apprvoed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 02/20/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 12/30/2008
Comments: PMP addendum was conditionally approved with a set of comments to be incorporated in fieldwork.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 07/06/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 12/23/2012
Comments: SVE Remediation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 05/02/2013
Comments: Report approved.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 09/09/2015
Comments: Personally observed that subject property is a shopping center

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Amendment - Order/Agreement
Completed Date: 01/11/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/12/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 11/16/2000
Comments: DTSC entered into a Voluntary Cleanup Agreement (VCA) (Docket Number

SLAUSON-CENTRAL SHOPPING CENTER REDEVELOPMENT PROJECT (Continued) **S109348515**

HSA-A 00/01-098) with the City of Los Angeles Community Redevelopment Agency (Proponent). The purpose of this Agreement is for the Proponent to conduct three Preliminary Endangerment Assessments under the oversight of DTSC for the following properties: 1) proposed Slauson-Central Retail Plaza, 2) proposed United LA Alloys Industrial Expansion, and 3) pro- posed Apex Patterns Industrial Expansion Property.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 03/18/2019
Comments: completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 05/02/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consultative Service Agreement
Completed Date: 02/06/2013
Comments: contract executed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction
Completed Date: 04/29/2013
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction - Site Inspection/Visit
Completed Date: 08/13/2014
Comments: see attached letter,

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 10/20/2011
Comments: NOE was filed for the project.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 01/08/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 03/21/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE

SLAUSON-CENTRAL SHOPPING CENTER REDEVELOPMENT PROJECT (Continued) **S109348515**

Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 11/01/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Polanco Agreement
Completed Date: 10/28/2004
Comments: VCA was terminated, Project Environmental Oversight Agreement was signed with term of November 1, 2004 through November 1, 2006.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

DEED:
Name: SLAUSON-CENTRAL SHOPPING CENTER REDEVELOPMENT PROJECT
Address: SLAUSON, S. CENTRAL, E. GAGE, AVALON
City,State,Zip: LOS ANGELES, CA 90001
Envirostor ID: 19300240
Area: PROJECT WIDE
Sub Area: Not reported
Site Type: VOLUNTARY CLEANUP
Status: CERTIFIED O&M - LAND USE RESTRICTIONS ONLY
Agency: Not reported
Covenant Uploaded: Not reported
Deed Date(s): 04/29/2013
File Name: Envirostor Land Use Restrictions

P78 **SOUTH CENTRAL DISCOVERY PROJECT** **RESPONSE** **S110711857**
SW **SOUTH CENTRAL LOS ANGELES AREA** **ENVIROSTOR** **N/A**
1/2-1 **LOS ANGELES, CA 90001**
0.709 mi.
3746 ft. **Site 2 of 2 in cluster P**

Relative: **Lower**
Actual: **162 ft.**

RESPONSE:
Name: SOUTH CENTRAL DISCOVERY PROJECT
Address: SOUTH CENTRAL LOS ANGELES AREA
City,State,Zip: LOS ANGELES, CA 90001
Facility ID: 60001403
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 1000
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Site Code: 301414

SOUTH CENTRAL DISCOVERY PROJECT (Continued) **S110711857**

Site Mgmt. Req.: NONE SPECIFIED
Assembly: 59
Senate: 33
Special Program Status: Not reported
Status: No Further Action
Status Date: 10/07/2013
Restricted Use: NO
Funding: Orphan Funds
Latitude: 33.98920
Longitude: -118.2705
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC : NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 301414
Alias Type: Project Code (Site Code)
Alias Name: 60001403
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 08/12/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/30/2011
Comments: Deliverable submitted by TetraTech

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/30/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/30/2011
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Name: SOUTH CENTRAL DISCOVERY PROJECT

SOUTH CENTRAL DISCOVERY PROJECT (Continued) **S110711857**

Address: SOUTH CENTRAL LOS ANGELES AREA
City,State,Zip: LOS ANGELES, CA 90001
Facility ID: 60001403
Status: No Further Action
Status Date: 10/07/2013
Site Code: 301414
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 1000
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Cleanup Chatsworth
Assembly: 59
Senate: 33
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Orphan Funds
Latitude: 33.98920
Longitude: -118.2705
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 301414
Alias Type: Project Code (Site Code)
Alias Name: 60001403
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Triage Meeting
Completed Date: 08/12/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/30/2011
Comments: Deliverable submitted by TetraTech

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/30/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: State/Federal Funded Site Contract
Completed Date: 06/30/2011
Comments: Not reported

SOUTH CENTRAL DISCOVERY PROJECT (Continued) **S110711857**

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

R79 **K. J. WELDING & IRON WORKS** **SEMS** **1003109124**
SE **1202 EAST SLAUSON AVENUE** **ENVIROSTOR** **CAN000905822**
1/2-1 **LOS ANGELES, CA 90011**
0.713 mi.
3765 ft. **Site 1 of 3 in cluster R**

Relative: **Lower**

Actual: **172 ft.**

SEMS:
Site ID: 0905822
EPA ID: CAN000905822
Name: K. J. WELDING & IRON WORKS
Address: 1202 EAST SLAUSON AVENUE
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90011
Cong District: Not reported
FIPS Code: 06037
Latitude: Not reported
Longitude: Not reported
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Detail:
Region: 09
Site ID: 0905822
EPA ID: CAN000905822
Site Name: K. J. WELDING & IRON WORKS
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 2001-03-07 05:00:00
Finish Date: 3/7/2001 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0905822
EPA ID: CAN000905822
Site Name: K. J. WELDING & IRON WORKS
NPL: N
FF: N
OU: 00
Action Code: OO
Action Name: SITE REASS
SEQ: 1
Start Date: 2010-08-29 04:00:00

K. J. WELDING & IRON WORKS (Continued) **1003109124**

Finish Date:	8/29/2010 4:00:00 AM
Qual:	N
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0905822
EPA ID:	CAN000905822
Site Name:	K. J. WELDING & IRON WORKS
NPL:	N
FF:	N
OU:	00
Action Code:	OO
Action Name:	SITE REASS
SEQ:	2
Start Date:	2013-07-01 05:00:00
Finish Date:	10/1/2014 5:00:00 AM
Qual:	N
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0905822
EPA ID:	CAN000905822
Site Name:	K. J. WELDING & IRON WORKS
NPL:	N
FF:	N
OU:	00
Action Code:	HX
Action Name:	PRE-CERC
SEQ:	1
Start Date:	2001-03-07 05:00:00
Finish Date:	3/7/2001 5:00:00 AM
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0905822
EPA ID:	CAN000905822
Site Name:	K. J. WELDING & IRON WORKS
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	2002-07-01 04:00:00
Finish Date:	6/27/2003 4:00:00 AM
Qual:	L
Current Action Lead:	St Perf

ENVIROSTOR:

Name:	K. J. WELDING & IRON WORKS
Address:	1202 EAST SLAUSON AVENUE
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	19340789
Status:	Inactive - Action Required
Status Date:	06/30/2003

K. J. WELDING & IRON WORKS (Continued) **1003109124**

Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0.2
NPL: NO
Regulatory Agencies: US EPA
Lead Agency: US EPA
Program Manager: Not reported
Supervisor: Juli Propes
Division Branch: Cleanup Chatsworth
Assembly: 59
Senate: 33
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.98909
Longitude: -118.2539
APN: 6008002025
Past Use: MACHINE SHOP, MANUFACTURING - METAL, PAINT/DEPAINT FACILITY
Potential COC: * HALOGENATED SOLVENTS Lead Cadmium and compounds
Confirmed COC: NONE SPECIFIED
Potential Description: AQUI, SOIL, SV
Alias Name: A.M. PROCESSING
Alias Type: Alternate Name
Alias Name: R&L MOTORS
Alias Type: Alternate Name
Alias Name: 6008002025
Alias Type: APN
Alias Name: CAN000905822
Alias Type: CERCLIS ID
Alias Name: 110013806168
Alias Type: EPA (FRS #)
Alias Name: 19340789
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/30/2003
Comments: Preliminary Assessment of K.J. Welding & Iron Works Site for Federal EPA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Reassessment
Completed Date: 10/01/2014
Comments: EPA finds that the site does not warrant further Federal Remedial Assessment under Superfund, may warrant further State assessment.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported

K. J. WELDING & IRON WORKS (Continued) **1003109124**

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

80
SSE
1/2-1
0.717 mi.
3784 ft.

Relative:
Lower

Actual:
170 ft.

CALIFORNIA AERODYNAMICS
911 E 59TH ST
LOS ANGELES, CA 90001

RCRA-SQG **1000252293**
ENVIROSTOR **CAD982487134**
SWEEPS UST
CA FID UST
FINDS
ECHO
HAZMAT

RCRA-SQG:

Date Form Received by Agency:	19900504
Handler Name:	CALIFORNIA AERODYNAMICS
Handler Address:	911 E 59TH ST
Handler City,State,Zip:	LOS ANGELES, CA 90001
EPA ID:	CAD982487134
Contact Name:	ENVIRONMENTAL MANAGER
Contact Address:	911 E 59TH ST
Contact City,State,Zip:	LOS ANGELES, CA 90001
Contact Telephone:	213-231-5141
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Small Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	CA
State District:	3
Mailing Address:	E 59TH ST
Mailing City,State,Zip:	LOS ANGELES, CA 90001
Owner Name:	PAUL ESKEW
Owner Type:	Private
Operator Name:	NOT REQUIRED
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN

CALIFORNIA AERODYNAMICS (Continued) **1000252293**

Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20000915
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PAUL ESKEW
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED

CALIFORNIA AERODYNAMICS (Continued) **1000252293**

Owner/Operator City,State,Zip: NOT REQUIRED, ME 99999
Owner/Operator Telephone: 415-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 19900504
Handler Name: CALIFORNIA AERODYNAMICS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

ENVIROSTOR:
Name: CALIFORNIA AERODYNAMICS
Address: 911 EAST 59TH STREET
City,State,Zip: LOS ANGELES, CA 90001
Facility ID: 60002410
Status: Refer: EPA
Status Date: 06/15/2017
Site Code: 301770
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Narine Aghakiant
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: , 59
Senate: , 30
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.98767
Longitude: -118.2591

CALIFORNIA AERODYNAMICS (Continued) **1000252293**

APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAN000903787
Alias Type: EPA Identification Number
Alias Name: 301770
Alias Type: Project Code (Site Code)
Alias Name: 60002410
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 06/15/2017
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SWEEPS UST:
Name: CALIFORNIA AERO DYNAMICS CORP
Address: 911 E 59TH ST
City: LOS ANGELES
Status: Active
Comp Number: 4193
Number: 1
Board Of Equalization: Not reported
Referral Date: 02-25-93
Action Date: 04-04-94
Created Date: 02-29-88
Owner Tank Id: Not reported
SWRCB Tank Id: Not reported
Tank Status: Not reported
Capacity: Not reported
Active Date: Not reported
Tank Use: Not reported
STG: Not reported
Content: Not reported
Number Of Tanks: Not reported

CA FID UST:
Facility ID: 19033940
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2138753190

CALIFORNIA AERODYNAMICS (Continued) **1000252293**

Mail To: Not reported
Mailing Address: 8630 TAMARACK AVE
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900010000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

FINDS:
Registry ID: 110002828101

Click Here:

Environmental Interest/Information System:
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000252293
Registry ID: 110002828101
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002828101
Name: CALIFORNIA AERODYNAMICS
Address: 911 E 59TH ST
City,State,Zip: LOS ANGELES, CA 90001

LOS ANGELES HM:
Name: CALIFORNIA AERO DYNAMIC CORPORATION
Address: 911 E 59TH ST
City,State,Zip: LOS ANGELES, CA 90001
Facility ID: FA0011520
Last Run Date: 04/19/2021
Status: INACTIVE

R81 **ATLAS PLATING COMPANY** **ENVIROSTOR** **S104241816**
SE **1206 E. SLAUSON AVENUE** **N/A**
1/2-1 **LOS ANGELES, CA 90011**
0.721 mi.
3807 ft. **Site 2 of 3 in cluster R**

Relative: **Lower**
Actual: **172 ft.**

ENVIROSTOR:
Name: ATLAS PLATING COMPANY
Address: 1206 E. SLAUSON AVENUE
City,State,Zip: LOS ANGELES, CA 90011
Facility ID: 19340777
Status: Inactive - Needs Evaluation
Status Date: 02/06/2002
Site Code: Not reported

ATLAS PLATING COMPANY (Continued) **S104241816**

Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: US EPA
Lead Agency: US EPA
Program Manager: Not reported
Supervisor: * Harlan Jeche
Division Branch: Cleanup Chatsworth
Assembly: 59
Senate: 33
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.98903
Longitude: -118.2536
APN: 6008002015
Past Use: NONE SPECIFIED
Potential COC: * HALOGENATED SOLVENTS * ACID SOLUTION WITHOUT METALS Cadmium and compounds Chromium VI
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: ATLAS PLATING COMPANY
Alias Type: Alternate Name
Alias Name: CALIFORNIA CUSTOM SHAPES
Alias Type: Alternate Name
Alias Name: IMPERIAL METAL FINISHING
Alias Type: Alternate Name
Alias Name: IMPERIAL METAL WORKS COMPANY
Alias Type: Alternate Name
Alias Name: 6008002015
Alias Type: APN
Alias Name: CAO002059384
Alias Type: EPA Identification Number
Alias Name: 19340777
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

R82 **PUCKETT LUCILLE M. TR.** **ENVIROSTOR** **S111842236**
SE **1206 SLAUSON AVENUE** **N/A**
1/2-1 **LOS ANGELES, CA 90011**
0.721 mi.
3807 ft. **Site 3 of 3 in cluster R**

Relative:
Lower

Actual:
172 ft.

ENVIROSTOR:

Name:	PUCKETT LUCILLE M. TR.
Address:	1206 SLAUSON AVENUE
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	60001683
Status:	Refer: EPA
Status Date:	06/23/2000
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Not reported
Supervisor:	Manny Alonzo
Division Branch:	Cleanup Cypress
Assembly:	46
Senate:	33
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98912
Longitude:	-118.2536
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	Asbestos Containing Materials (ACM Lead Polychlorinated biphenyls (PCBs Tetrachloroethylene (PCE Nickel Toluene Xylenes Zinc
Confirmed COC:	Lead Tetrachloroethylene (PCE Xylenes Zinc Nickel Toluene Asbestos Containing Materials (ACM Polychlorinated biphenyls (PCBs
Potential Description:	NONE SPECIFIED
Alias Name:	60001683
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	06/23/2000
Comments:	.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Q83 **LE MANS MOTORS** **ENVIROSTOR** **S118756549**
SSE **5872 SOUTH CENTRAL AVE.** **N/A**
1/2-1 **LOS ANGELES, CA 90001**
0.724 mi.
3825 ft. **Site 2 of 2 in cluster Q**

Relative:
Lower

Actual:
171 ft.

ENVIROSTOR:

Name:	LE MANS MOTORS
Address:	5872 SOUTH CENTRAL AVE.
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	19750099
Status:	No Action Required
Status Date:	09/23/2015
Site Code:	301127
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0.5
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Not reported
Supervisor:	Rita Kamat
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	33
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98798
Longitude:	-118.2560
APN:	6008003005
Past Use:	BATTERY STORAGE, VEHICLE MAINTENANCE
Potential COC:	* HALOGENATED ORGANIC COMPOUNDS * UNSPECIFIED ORGANIC LIQUID MIXTURE Lead
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL, SV, IA
Alias Name:	LE MANS MOTORS
Alias Type:	Alternate Name
Alias Name:	LEMANS MOTORS
Alias Type:	Alternate Name
Alias Name:	6008003005
Alias Type:	APN
Alias Name:	CAN000905887
Alias Type:	CERCLIS ID
Alias Name:	301127
Alias Type:	Project Code (Site Code)
Alias Name:	19750099
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	06/26/2003
Comments:	A Preliminary Assessment was conducted for this site in South-Central Los Angeles. Potential Contaminants of concern include benzene, lead, and TCE.
Future Area Name:	Not reported

LE MANS MOTORS (Continued) **S118756549**

Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

84
South
1/2-1
0.730 mi.
3857 ft.

RUDY & MARY CONCHA PROPERTY
750 E. 59TH STREET
LOS ANGELES, CA 90001

SEMS-ARCHIVE **1001491904**
ENVIROSTOR **CASFN0905561**

Relative:
Lower

Actual:
168 ft.

SEMS Archive:

Site ID:	0905561
EPA ID:	CASFN0905561
Name:	RUDY & MARY CONCHA PROPERTY
Address:	750 E. 59TH STREET
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90001
Cong District:	Not reported
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0905561
EPA ID:	CASFN0905561
Site Name:	RUDY & MARY CONCHA PROPERTY
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2001-09-21 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	09
Site ID:	0905561
EPA ID:	CASFN0905561
Site Name:	RUDY & MARY CONCHA PROPERTY
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1999-12-07 05:00:00
Finish Date:	1999-12-07 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

RUDY & MARY CONCHA PROPERTY (Continued) **1001491904**

Region:	09
Site ID:	0905561
EPA ID:	CASFN0905561
Site Name:	RUDY & MARY CONCHA PROPERTY
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	2000-08-15 04:00:00
Finish Date:	2001-06-30 04:00:00
Qual:	N
Current Action Lead:	St Perf

ENVIROSTOR:

Name:	RUDY AND MARY CONCHA PROPERTY
Address:	750 EAST 59TH STREET
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	19990039
Status:	No Further Action
Status Date:	10/31/2001
Site Code:	300875
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0.1369146
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Joseph Cully
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	59
Senate:	30
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not Applicable
Latitude:	33.98676
Longitude:	-118.2615
APN:	NONE SPECIFIED
Past Use:	LAUNDRY SERVICES, PAINT MANUFACTURING
Potential COC:	Lead Trichloroethylene (TCE Chromium VI Ethylbenzene Toluene Xylenes
Confirmed COC:	30550-NO 30027-NO 30153-NO 30272-NO 30013-NO 30593-NO
Potential Description:	SOIL
Alias Name:	RUDY AND MARY CONCHA PROPERTY
Alias Type:	Alternate Name
Alias Name:	300875
Alias Type:	Project Code (Site Code)
Alias Name:	19990039
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report

RUDY & MARY CONCHA PROPERTY (Continued) **1001491904**

Completed Date:	06/30/2001
Comments:	Abbreviated Preliminary Assessment.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	07/12/1999
Comments:	Site Screening Completed
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

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85 South 1/2-1 0.734 mi. 3875 ft. **L.A. SANI FELT CO** **ENVIROSTOR EMI HAZMAT CERS** **S106833993 N/A**
830 E 59TH ST
LOS ANGELES, CA 90001

Relative: Lower
Actual: 168 ft.

ENVIROSTOR:

Name:	LA SANI-FELT
Address:	830 E. 59TH ST.
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	60001718
Status:	Refer: EPA
Status Date:	06/22/1999
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Not reported
Supervisor:	Philip Chandler
Division Branch:	Cleanup Chatsworth
Assembly:	52
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98715
Longitude:	-118.2607
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	Total Chromium (1:6 ratio Cr VI:Cr III Lead Trichloroethylene (TCE
Confirmed COC:	Total Chromium (1:6 ratio Cr VI:Cr III Lead Trichloroethylene (TCE
Potential Description:	NONE SPECIFIED
Alias Name:	60001718
Alias Type:	Envirostor ID Number

L.A. SANI FELT CO (Continued) **S106833993**

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	06/23/2014
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

EMI:

Name:	L.A. SANI FELT CO
Address:	830 E 59TH ST
City,State,Zip:	LOS ANGELES, CA 90001
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	25518
Air District Name:	SC
SIC Code:	2299
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0
Name:	L.A. SANI FELT CO
Address:	830 E 59TH ST
City,State,Zip:	LOS ANGELES, CA 90001
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	25518
Air District Name:	SC
SIC Code:	2299
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	1

L.A. SANI FELT CO (Continued) **S106833993**

Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name:	L.A. SANI FELT CO
Address:	830 E 59TH ST
City,State,Zip:	LOS ANGELES, CA 90001
Year:	2018
County Code:	19
Air Basin:	SC
Facility ID:	25518
Air District Name:	SC
SIC Code:	2299
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	Not reported
Reactive Organic Gases Tons/Yr:	Not reported
Carbon Monoxide Emissions Tons/Yr:	Not reported
NOX - Oxides of Nitrogen Tons/Yr:	Not reported
SOX - Oxides of Sulphur Tons/Yr:	Not reported
Particulate Matter Tons/Yr:	0.01075
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0.009675

LOS ANGELES HM:

Name:	L A SANI-FELT CO
Address:	830 E 59TH ST
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	FA0033282
Last Run Date:	04/19/2021
Status:	ACTIVE

Name:	L A SANI-FELT CO
Address:	830 E 59TH ST
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	FA0033282
Last Run Date:	04/19/2021
Status:	INACTIVE

CERS:

Name:	L.A. SANI-FELT CO.
Address:	830 E 59TH ST
City,State,Zip:	LOS ANGELES, CA 90001
Site ID:	574065
CERS ID:	10864603
CERS Description:	Chemical Storage Facilities

Coordinates:

Site ID:	574065
Facility Name:	L.A. Sani-Felt Co.
Env Int Type Code:	HMBP
Program ID:	10864603
Coord Name:	Not reported
Ref Point Type Desc:	Center of a facility or station.
Latitude:	33.986750
Longitude:	-118.260480

Affiliation:

L.A. SANI FELT CO (Continued) **S106833993**

Affiliation Type Desc:	CUPA District
Entity Name:	Los Angeles City Fire Department
Entity Title:	Not reported
Affiliation Address:	200 North Main Street, Room 1780
Affiliation City:	Los Angeles
Affiliation State:	CA
Affiliation Country:	Not reported
Affiliation Zip:	90012
Affiliation Phone:	(213) 978-3680

Affiliation Type Desc:	Parent Corporation
Entity Name:	L.A. Sani-Felt Co.
Entity Title:	Not reported
Affiliation Address:	Not reported
Affiliation City:	Not reported
Affiliation State:	Not reported
Affiliation Country:	Not reported
Affiliation Zip:	Not reported
Affiliation Phone:	Not reported

86
ESE
1/2-1
0.754 mi.
3979 ft.

SNAPE'S SERVICE STATION
5201 COMPTON AVE
LOS ANGELES, CA 90011

ENVIROSTOR
HIST UST
HAZMAT

U001560486
N/A

Relative:
Higher

Actual:
183 ft.

ENVIROSTOR:

Name:	BIKE SHOP
Address:	5201 SOUTH COMPTON AVENUE
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	19550028
Status:	Inactive - Action Required
Status Date:	06/30/2003
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0.21
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Not reported
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	33
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.99558
Longitude:	-118.2481
APN:	5104008036
Past Use:	FUEL - VEHICLE STORAGE/ REFUELING, VEHICLE MAINTENANCE
Potential COC:	* HYDROCARBON SOLVENTS * UNSPECIFIED SOLVENT MIXTURES * WASTE OIL & MIXED OIL
Confirmed COC:	NONE SPECIFIED
Potential Description:	AQUI, SOIL, SV

SNAPE'S SERVICE STATION (Continued) **U001560486**

Alias Name: PAISANO'S BIKE SHOP
Alias Type: Alternate Name
Alias Name: 5104008036
Alias Type: APN
Alias Name: CAN000905804
Alias Type: CERCLIS ID
Alias Name: 110009269255
Alias Type: EPA (FRS #)
Alias Name: 19550028
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/30/2003
Comments: Preliminary Assessment of Bike Shop Site for Federal EPA.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST UST:
Name: SNAPE'S SERVICE STATION
Address: 5201 COMPTON AVE
City,State,Zip: LOS ANGELES, CA 90011
File Number: Not reported
URL: Not reported
Region: STATE
Facility ID: 00000061123
Facility Type: Gas Station
Other Type: Not reported
Contact Name: Not reported
Telephone: 2132348049
Owner Name: MYRTLE SNAPE
Owner Address: 5201 COMPTON AVENUE
Owner City,St,Zip: LOS ANGELES, CA 90011
Total Tanks: 0003

Tank Num: 001
Container Num: 1
Year Installed: Not reported
Tank Capacity: 00000550
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Container Construction Thickness: Not reported
Leak Detection: None

Tank Num: 002
Container Num: 2
Year Installed: Not reported

SNAPE'S SERVICE STATION (Continued) **U001560486**

Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	REGULAR
Container Construction Thickness:	Not reported
Leak Detection:	None

Tank Num:	003
Container Num:	3
Year Installed:	Not reported
Tank Capacity:	00000550
Tank Used for:	PRODUCT
Type of Fuel:	PREMIUM
Container Construction Thickness:	Not reported
Leak Detection:	None

LOS ANGELES HM:

Name:	MYRTLE SNAPE
Address:	5201 S COMPTON AVE
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	FA0005493
Last Run Date:	04/19/2021
Status:	INACTIVE

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87 **HALL'S STORE FIXTURES** **ENVIROSTOR** **S112057206**
SSE **5890 SOUTH CENTRAL AVENUE** **N/A**
1/2-1 **LOS ANGELES, CA 90001**
0.765 mi.
4038 ft.

Relative:
Lower

Actual:
169 ft.

ENVIROSTOR:

Name:	HALL'S STORE FIXTURES
Address:	5890 SOUTH CENTRAL AVENUE
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	60001744
Status:	Refer: EPA
Status Date:	06/11/2000
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Not reported
Supervisor:	Manny Alonzo
Division Branch:	Cleanup Cypress
Assembly:	46
Senate:	33
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98754
Longitude:	-118.2560
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	Asbestos Containing Materials (ACM Lead Tetrachloroethylene (PCE

HALL'S STORE FIXTURES (Continued) **S112057206**

Methyl ethyl ketone (2-Butanone Nickel Polychlorinated biphenyls (PCBs, see IRIS Xylenes Zinc
Confirmed COC: Lead Tetrachloroethylene (PCE Polychlorinated biphenyls (PCBs, see IRIS Xylenes Zinc Methyl ethyl ketone (2-Butanone Nickel Asbestos Containing Materials (ACM
Potential Description: NONE SPECIFIED
Alias Name: 60001744
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/11/2000
Comments: .

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

88
SW
1/2-1
0.771 mi.
4073 ft.

CRES #16 SITE 3 5640004 **ENVIROSTOR** **S107736192**
MAIN STREET/57TH STREET **SCH** **N/A**
LOS ANGELES, CA 90011

Relative:
Lower

Actual:
162 ft.

ENVIROSTOR:
Name: CRES #16 SITE 3 5640004
Address: MAIN STREET/57TH STREET
City,State,Zip: LOS ANGELES, CA 90011
Facility ID: 60000097
Status: Certified
Status Date: 09/29/2008
Site Code: 304499
Site Type: School Cleanup
Site Type Detailed: School
Acres: 3.18
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Amit Pathak
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 59
Senate: 30
Special Program: Voluntary Cleanup Program
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 33.9902
Longitude: -118.273
APN: 5101-019-004, 5101-019-012, 5101-019-015, 5101-019-017, 5101-019-018,

CRES #16 SITE 3 5640004 (Continued) **S107736192**

5101-019-019, 5101-019-023, 5101-019-025, 5101-019-026
Past Use: MANUFACTURING - INDUSTRIAL MACHINERY
Potential COC: Arsenic Lead Tetrachloroethylene (PCE
Confirmed COC: Arsenic Lead Tetrachloroethylene (PCE
Potential Description: SOIL
Alias Name: LAUSD-CRES #16 SITE 3 5640004
Alias Type: Alternate Name
Alias Name: 5101-019-004
Alias Type: APN
Alias Name: 5101-019-012
Alias Type: APN
Alias Name: 5101-019-015
Alias Type: APN
Alias Name: 5101-019-017
Alias Type: APN
Alias Name: 5101-019-018
Alias Type: APN
Alias Name: 5101-019-019
Alias Type: APN
Alias Name: 5101-019-023
Alias Type: APN
Alias Name: 5101-019-025
Alias Type: APN
Alias Name: 5101-019-026
Alias Type: APN
Alias Name: 110033616512
Alias Type: EPA (FRS #)
Alias Name: 304499
Alias Type: Project Code (Site Code)
Alias Name: 60000097
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/23/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 10/31/2005
Comments: Further Action

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 01/26/2006
Comments: Field Work for SSI Expected week of January 30, 2006

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 09/28/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE

CRES #16 SITE 3 5640004 (Continued) **S107736192**

Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 12/26/2006
Comments: DTSC approved SSI with "Further Action" determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 01/08/2007
Comments: Accepted with some comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 03/22/2007
Comments: DTSC determined based on the Supplemental Site Investigation report that Further Action is required for lead, Arsenic and volatile organic compounds contaminated soil.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/20/2007
Comments: Accepted for the Public Comment Period

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 07/26/2007
Comments: Further Action for Arsenic, Lead and VOCs

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 08/24/2007
Comments: DTSC determined that "No Further Action" is necessary in the Hydraulic Lift Area based on a supplemental site investigation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 08/03/2007
Comments: Ready for Publioc Notice

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 08/03/2007
Comments: Approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 08/24/2007
Comments: DTSC signed California Department of Education form 4.15.

Completed Area Name: PROJECT WIDE

CRES #16 SITE 3 5640004 (Continued) **S107736192**

Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 02/15/2008
Comments: DTSC issued Partial Site Approval for Areas of Concern #1 through #19 based on the Removal Action Completion report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 05/06/2008
Comments: Approved AOC 20 Removal action Completion Report with a no further action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/12/2008
Comments: DTSC concurred with information presented in and conclusions of the construction response report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 05/01/2008
Comments: ESD prepared to explain variance from the DTSC-approved RAW

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/01/2005
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 09/04/2007
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 09/23/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Notice of Exemption
Completed Date: 09/20/2007
Comments: DTSC filed Notice of Exemption pursuant to California Environmental Quality Act.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported

CRES #16 SITE 3 5640004 (Continued) **S107736192**

Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: CRES #16 SITE 3 5640004
Address: MAIN STREET/57TH STREET
City,State,Zip: LOS ANGELES, CA 90011
Facility ID: 60000097
Site Type: School Cleanup
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 3.18
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Amit Pathak
Supervisor: Shahir Haddad
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304499
Assembly: 59
Senate: 30
Special Program Status: Voluntary Cleanup Program
Status: Certified
Status Date: 09/29/2008
Restricted Use: NO
Funding: School District
Latitude: 33.9902
Longitude: -118.273
APN: 5101-019-004, 5101-019-012, 5101-019-015, 5101-019-017, 5101-019-018, 5101-019-019, 5101-019-023, 5101-019-025, 5101-019-026
Past Use: MANUFACTURING - INDUSTRIAL MACHINERY
Potential COC: Arsenic, Lead, Tetrachloroethylene (PCE
Confirmed COC: Arsenic, Lead, Tetrachloroethylene (PCE
Potential Description: SOIL
Alias Name: LAUSD-CRES #16 SITE 3 5640004
Alias Type: Alternate Name
Alias Name: 5101-019-004
Alias Type: APN
Alias Name: 5101-019-012
Alias Type: APN
Alias Name: 5101-019-015
Alias Type: APN
Alias Name: 5101-019-017
Alias Type: APN
Alias Name: 5101-019-018
Alias Type: APN
Alias Name: 5101-019-019
Alias Type: APN
Alias Name: 5101-019-023
Alias Type: APN
Alias Name: 5101-019-025
Alias Type: APN
Alias Name: 5101-019-026
Alias Type: APN

CRES #16 SITE 3 5640004 (Continued) **S107736192**

Alias Name: 110033616512
Alias Type: EPA (FRS #)
Alias Name: 304499
Alias Type: Project Code (Site Code)
Alias Name: 60000097
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/23/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 10/31/2005
Comments: Further Action

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Workplan
Completed Date: 01/26/2006
Comments: Field Work for SSI Expected week of January 30, 2006

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 09/28/2006
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 12/26/2006
Comments: DTSC approved SSI with "Further Action" determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 01/08/2007
Comments: Accepted with some comments

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 03/22/2007
Comments: DTSC determined based on the Supplemental Site Investigation report that Further Action is required for lead, Arsenic and volatile organic compounds contaminated soil.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 09/20/2007
Comments: Accepted for the Public Comment Period

CRES #16 SITE 3 5640004 (Continued) **S107736192**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Report
Completed Date:	07/26/2007
Comments:	Further Action for Arsenic, Lead and VOCs

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Report
Completed Date:	08/24/2007
Comments:	DTSC determined that "No Further Action" is necessary in the Hydraulic Lift Area based on a supplemental site investigation.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	08/03/2007
Comments:	Ready for Publioc Notice

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Public Notice
Completed Date:	08/03/2007
Comments:	Approved

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	4.15 Request
Completed Date:	08/24/2007
Comments:	DTSC signed California Department of Education form 4.15.

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	02/15/2008
Comments:	DTSC issued Partial Site Approval for Areas of Concern #1 through #19 based on the Removal Action Completion report

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Completion Report
Completed Date:	05/06/2008
Comments:	Approved AOC 20 Removal action Completion Report with a no further action determination

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	06/12/2008
Comments:	DTSC concurred with information presented in and conclusions of the construction response report

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	05/01/2008
Comments:	ESD prepared to explain variance from the DTSC-approved RAW

CRES #16 SITE 3 5640004 (Continued) **S107736192**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	03/01/2005
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	School Cleanup Agreement
Completed Date:	09/04/2007
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	09/23/2008
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Notice of Exemption
Completed Date:	09/20/2007
Comments:	DTSC filed Notice of Exemption pursuant to California Environmental Quality Act.

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

89
SSW
1/2-1
0.783 mi.
4135 ft.

Relative:
Lower

Actual:
161 ft.

CROCKER PLATING WORKS
5908 CROCKER ST
LOS ANGELES, CA 90003

RCRA-LQG **1000173201**
ENVIROSTOR **CAD021858063**
SWEEPS UST
HIST UST
CA FID UST
RAATS
FINDS
ECHO
HAZNET
LA Co. Site Mitigation
HWTS

RCRA-LQG:

Date Form Received by Agency:	20080213
Handler Name:	CROCKER PLATING WORKS
Handler Address:	5908 CROCKER STREET
Handler City,State,Zip:	LOS ANGELES, CA 91003
EPA ID:	CAD021858063
Contact Name:	ELVIRA R LORENZO
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	323-231-9115
Contact Fax:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Private
Federal Waste Generator Description:	Large Quantity Generator
Non-Notifier:	Not reported
Biennial Report Cycle:	2007
Accessibility:	Not reported
Active Site Indicator:	Handler Activities
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	5908 CROCKER STREET
Mailing City,State,Zip:	LOS ANGELES, CA 91003
Owner Name:	VM ENTERPRISES
Owner Type:	Private
Operator Name:	TONY MANACO
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A

CROCKER PLATING WORKS (Continued) **1000173201**

Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20081015
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D007
Waste Description: CHROMIUM

Waste Code: F006
Waste Description: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Waste Code: F007
Waste Description: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	V-M ENTERPRISES
Legal Status:	Private
Date Became Current:	19370901
Date Ended Current:	Not reported
Owner/Operator Address:	5908 CROCKER STREET
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TONY MANALO
Legal Status:	Private
Date Became Current:	19871214
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	CROCKER PLTG DIV OF V-M ENTERPRISES INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	V M ENTERPRISES
Legal Status:	Private
Date Became Current:	19370901
Date Ended Current:	Not reported
Owner/Operator Address:	5908 CROCKER ST
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90003
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TONY MANAZO
Legal Status:	Private
Date Became Current:	19871214
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name:	VM ENTERPRISES
Legal Status:	Private
Date Became Current:	19370901
Date Ended Current:	Not reported
Owner/Operator Address:	5908 CROCKER ST

CROCKER PLATING WORKS (Continued) **1000173201**

Owner/Operator City,State,Zip:	LOS ANGELES, CA
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	TONY MANACO
Legal Status:	Private
Date Became Current:	19871214
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name: CROCKER PLATING WORKS	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	19810204
Handler Name: CROCKER PLATING WORKS	
Federal Waste Generator Description:	Large Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Receive Date: 19941102
Handler Name: CROCKER PLATING WORKS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960207
Handler Name: CROCKER PLATING WORKS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990304
Handler Name: CROCKER PLATING WORKS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: CROCKER PLATING WORKS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20021106
Handler Name: CROCKER PLATING WORKS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No

CROCKER PLATING WORKS (Continued) **1000173201**

Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040128
Handler Name: CROCKER PLATING WORKS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060201
Handler Name: CROCKER PLATING WORKS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080213
Handler Name: CROCKER PLATING WORKS
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 332813
NAICS Description: ELECTROPLATING, PLATING, POLISHING, ANODIZING, AND COLORING

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20041027
Actual Return to Compliance Date:	20051025
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Container Use and Management
Date Violation was Determined:	20041027
Actual Return to Compliance Date:	20051025
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20041027

CROCKER PLATING WORKS (Continued) **1000173201**

Actual Return to Compliance Date: 20051025
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 500
Date of Enforcement Action: 20041201
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Tank System Standards
Date Violation was Determined: 20041027
Actual Return to Compliance Date: 20051025
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20041027
Actual Return to Compliance Date:	20051025
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	201
Date of Enforcement Action:	20041224
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	140000
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Tank System Standards
Date Violation was Determined:	20041027

CROCKER PLATING WORKS (Continued) **1000173201**

Actual Return to Compliance Date:	20051025
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	500
Date of Enforcement Action:	20041201
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Container Use and Management
Date Violation was Determined: 20041027
Actual Return to Compliance Date: 20051025
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 201
Date of Enforcement Action: 20041224
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 140000
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Tank System Standards
Date Violation was Determined: 20041027

CROCKER PLATING WORKS (Continued) **1000173201**

Actual Return to Compliance Date: 20051025
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 201
Date of Enforcement Action: 20041224
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: INITIAL 3008(A) COMPLIANCE
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: 140000
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Container Use and Management
Date Violation was Determined: 20041027
Actual Return to Compliance Date: 20051025
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 500
Date of Enforcement Action: 20041201
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Container Use and Management
Date Violation was Determined: 20041027
Actual Return to Compliance Date: 20051025
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 210
Date of Enforcement Action: 20041224
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20041027
Actual Return to Compliance Date:	20051025
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	210
Date of Enforcement Action:	20041224
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL

CROCKER PLATING WORKS (Continued) **1000173201**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20041027
Actual Return to Compliance Date: 20051025
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 203
Date of Enforcement Action: 20061130
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 140000
Paid Amount: Not reported
Final Count: 1
Final Amount: 140000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Tank System Standards
Date Violation was Determined: 20041027

CROCKER PLATING WORKS (Continued) **1000173201**

Actual Return to Compliance Date: 20051025
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 203
Date of Enforcement Action: 20061130
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 140000
Paid Amount: Not reported
Final Count: 1
Final Amount: 140000

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Tank System Standards
Date Violation was Determined: 20041027
Actual Return to Compliance Date: 20051025
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 210
Date of Enforcement Action: 20041224
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL

CROCKER PLATING WORKS (Continued) **1000173201**

Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Container Use and Management
Date Violation was Determined:	20041027
Actual Return to Compliance Date:	20051025
Return to Compliance Qualifier:	Documented
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	500
Date of Enforcement Action:	20041201
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	20041027

CROCKER PLATING WORKS (Continued) **1000173201**

Actual Return to Compliance Date: 20051025
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 500
Date of Enforcement Action: 20041201
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Container Use and Management
Date Violation was Determined: 20041027
Actual Return to Compliance Date: 20051025
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 210
Date of Enforcement Action: 20041224
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL

CROCKER PLATING WORKS (Continued) **1000173201**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 20041027
Actual Return to Compliance Date: 20051025
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 210
Date of Enforcement Action: 20041224
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 20021029

CROCKER PLATING WORKS (Continued) **1000173201**

Actual Return to Compliance Date: 20021227
Return to Compliance Qualifier: Documented
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 20021212
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: DFERN
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Container Use and Management
Date Violation was Determined: 20041027
Actual Return to Compliance Date: 20051025
Return to Compliance Qualifier: Documented
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 203
Date of Enforcement Action: 20061130
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: FINAL 3008(A) COMPLIANCE ORDER

CROCKER PLATING WORKS (Continued) **1000173201**

Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: 140000
Paid Amount: Not reported
Final Count: 1
Final Amount: 140000

Evaluation Action Summary:
Evaluation Date: 20050309
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20041027
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20051025
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20041027
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20051025
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20041027
Evaluation Responsible Agency: State

CROCKER PLATING WORKS (Continued) **1000173201**

Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20051025
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20041027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20051025
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20041027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20051025
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20041027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20051025
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20041027
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20041027
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20051025
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20041027
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20051025
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20041027
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20051025
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20041027
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20051025
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Evaluation Date:	20051025
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	NOT A SIGNIFICANT NON-COMPLIER
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20041027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20051025
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20041027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20051025
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20041027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20051025
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20041027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20051025
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20041027
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20051025
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20041027
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20051025
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20041027
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20051025
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 20041027
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: Not reported
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 20051025
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20021029
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	DFERN
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20021227
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported
Evaluation Date:	20041027
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20051025
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

ENVIROSTOR:

Name:	CROCKER PLATING WORKS
Address:	5908 CROCKER STREET
City,State,Zip:	LOS ANGELES, CA 90003
Facility ID:	71002333
Status:	Refer: Other Agency
Status Date:	Not reported
Site Code:	Not reported
Site Type:	Tiered Permit
Site Type Detailed:	Tiered Permit
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Not reported
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.98705
Longitude:	-118.2684
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED

CROCKER PLATING WORKS (Continued) **1000173201**

Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD021858063
Alias Type: EPA Identification Number
Alias Name: 110000782350
Alias Type: EPA (FRS #)
Alias Name: 71002333
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SWEEPS UST:
Name: CROCKER PLATING WORKS
Address: 5908 CROCKER ST
City: LOS ANGELES
Status: Not reported
Comp Number: 2415
Number: Not reported
Board Of Equalization: 44-012350
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002415-000001
Tank Status: Not reported
Capacity: 720
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: 5

Name: CROCKER PLATING WORKS
Address: 5908 CROCKER ST
City: LOS ANGELES
Status: Not reported
Comp Number: 2415
Number: Not reported
Board Of Equalization: 44-012350
Referral Date: Not reported
Action Date: Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002415-000002
Tank Status: Not reported
Capacity: 720
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Name: CROCKER PLATING WORKS
Address: 5908 CROCKER ST
City: LOS ANGELES
Status: Not reported
Comp Number: 2415
Number: Not reported
Board Of Equalization: 44-012350
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002415-000003
Tank Status: Not reported
Capacity: 1500
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Name: CROCKER PLATING WORKS
Address: 5908 CROCKER ST
City: LOS ANGELES
Status: Not reported
Comp Number: 2415
Number: Not reported
Board Of Equalization: 44-012350
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002415-000004
Tank Status: Not reported
Capacity: 1200
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Name: CROCKER PLATING WORKS
Address: 5908 CROCKER ST
City: LOS ANGELES
Status: Not reported
Comp Number: 2415
Number: Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Board Of Equalization: 44-012350
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported
SWRCB Tank Id: 19-050-002415-000005
Tank Status: Not reported
Capacity: 335
Active Date: Not reported
Tank Use: CHEMICAL
STG: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

HIST UST:
Name: CROCKER PLATING WORKS
Address: 5908 CROCKER STREET
City,State,Zip: LOS ANGELES, CA 90003
File Number: 00027480
URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00027480.pdf
Region: STATE
Facility ID: 00000047049
Facility Type: Other
Other Type: METAL FINISHER
Contact Name: MR ALAN MEMLEY
Telephone: 2132319115
Owner Name: CROCKER PLATING WORKS, DIVISIO
Owner Address: 20091 MCKINLEY LANE
Owner City,St,Zip: HUNTINGTON BEACH, CA 92646
Total Tanks: 0005

Tank Num: 001
Container Num: 1
Year Installed: 1984
Tank Capacity: 00000720
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 002
Container Num: 2
Year Installed: 1984
Tank Capacity: 00000720
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: Visual

Tank Num: 003
Container Num: 3
Year Installed: Not reported
Tank Capacity: 00001500
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: None

CROCKER PLATING WORKS (Continued) **1000173201**

Tank Num: 004
Container Num: 4
Year Installed: Not reported
Tank Capacity: 00001200
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: None

Tank Num: 005
Container Num: 5
Year Installed: Not reported
Tank Capacity: 00000335
Tank Used for: WASTE
Type of Fuel: Not reported
Container Construction Thickness: 6
Leak Detection: None

Click here for Geo Tracker PDF:

CA FID UST:
Facility ID: 19000725
Regulated By: UTNKA
Regulated ID: 00047049
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 2132319115
Mail To: Not reported
Mailing Address: 20091 MCKINLEY LN
Mailing Address 2: Not reported
Mailing City,St,Zip: LOS ANGELES 900030000
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

RAATS:
Entry No: 1
Facility ID: CAD021858063
Type: Not reported
Docket No: 81-083
Region: 09
Issue Date: 01/30/1982
Final Date: Not reported
Status: Complaint Issued
Additional: Not reported
Action ID: 508
Action: 3008 (A)
Violation No: Not reported
Viol No Cited: 1 3001
Total No Cited: Not reported
Reg Type: Federal
Prop. Penalty: 500.00

CROCKER PLATING WORKS (Continued) **1000173201**

Final Penalty: .00
Total Prop. Penalty: 500.00
Comments: Not reported

Entry No: 1
Facility ID: CAD021858063
Type: Not reported
Docket No: 81-083
Region: 09
Issue Date: 01/30/1982
Final Date: Not reported
Status: Complaint Issued
Additional: Not reported
Action ID: 508
Action: 3008 (A)
Violation No: Not reported
Viol No Cited: 2 261.31
Total No Cited: Not reported
Reg Type: CFR
Prop. Penalty: *
Final Penalty: .00
Total Prop. Penalty: 500.00
Comments: Not reported

FINDS:
Registry ID: 110000782350

Click Here:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
HAZARDOUS WASTE BIENNIAL REPORTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000173201
Registry ID: 110000782350
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110000782350
Name: CROCKER PLATING WORKS
Address: 5908 CROCKER ST
City,State,Zip: LOS ANGELES, CA 90003

HAZNET:
Name: CROCKER PLATING WORKS
Address: 5908 CROCKER STREET
Address 2: Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

City,State,Zip: LOS ANGELES, CA 900030000
Contact: ELVIRA R. LORENZO CHEMIST
Telephone: 3232319115
Mailing Name: Not reported
Mailing Address: 5908 CROCKER ST

Year: 2008
Gepaid: CAD021858063
TSD EPA ID: CAD097030993
CA Waste Code: 726 - Liquids with nickel >= 134 Mg./L
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 10.425

Year: 2008
Gepaid: CAD021858063
TSD EPA ID: ARD981057870
CA Waste Code: 331 - Off-specification, aged or surplus organics
Disposal Method: H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons: 0.275

Year: 2008
Gepaid: CAD021858063
TSD EPA ID: CAD097030993
CA Waste Code: 792 - Liquids with pH <= 2 with metals
Disposal Method: H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 10.425

Year: 2008
Gepaid: CAD021858063
TSD EPA ID: CAD097030993
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 22.995

Year: 2008
Gepaid: CAD021858063
TSD EPA ID: CAD097030993
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 8.4

Year: 2008
Gepaid: CAD021858063
TSD EPA ID: CAD097030993
CA Waste Code: 726 - Liquids with nickel >= 134 Mg./L
Disposal Method: H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Tons: 1.77225

Year: 2008
Gepaid: CAD021858063
TSD EPA ID: CAD097030993
CA Waste Code: 792 - Liquids with pH <= 2 with metals

CROCKER PLATING WORKS (Continued) **1000173201**

Disposal Method: H071 - Chemical Reduction With Or Without Precipitation
Tons: 0.18765

Year: 2008
Gepaid: CAD021858063
TSD EPA ID: CAD097030993
CA Waste Code: 711 - Liquids with cyanides >= 1,000 Mg./L
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 11.1756

Year: 2008
Gepaid: CAD021858063
TSD EPA ID: CAD044429835
CA Waste Code: 141 - Off-specification, aged or surplus inorganics
Disposal Method: -
Tons: 0.0125

Year: 2008
Gepaid: CAD021858063
TSD EPA ID: CAD044429835
CA Waste Code: 141 - Off-specification, aged or surplus inorganics
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.075

Click this hyperlink while viewing on your computer to access
99 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2001
Gen EPA ID: CAD021858063

Shipment Date: 20011109
Creation Date: 1/16/2002 0:00:00
Receipt Date: 20011119
Manifest ID: 21272034
Trans EPA ID: CAR000065599
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD028409019
Trans Name: Not reported
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 343 - Unspecified organic liquid mixture
RCRA Code: F007
Meth Code: H01 - Transfer Station
Quantity Tons: 2.149
Waste Quantity: 4298
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Shipment Date:	20011109
Creation Date:	2/13/2002 0:00:00
Receipt Date:	20011113
Manifest ID:	21272035
Trans EPA ID:	CAR000065599
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.9
Waste Quantity:	500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20011102
Creation Date:	1/29/2002 0:00:00
Receipt Date:	20011109
Manifest ID:	21061789
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	4
Waste Quantity:	8000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010816
Creation Date:	11/1/2001 0:00:00
Receipt Date:	20010816
Manifest ID:	20755897
Trans EPA ID:	CAR000065599
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019

CROCKER PLATING WORKS (Continued) **1000173201**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D007
Meth Code:	H01 - Transfer Station
Quantity Tons:	2.221
Waste Quantity:	4442
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010813
Creation Date:	10/23/2001 0:00:00
Receipt Date:	20010817
Manifest ID:	21061785
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	6
Waste Quantity:	12000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010615
Creation Date:	8/24/2001 0:00:00
Receipt Date:	20010620
Manifest ID:	98068427
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	3.9495
Waste Quantity:	7899
Quantity Unit:	P

CROCKER PLATING WORKS (Continued) **1000173201**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010524
Creation Date:	7/30/2001 0:00:00
Receipt Date:	20010524
Manifest ID:	20755771
Trans EPA ID:	CAR000065599
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	0.95
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010302
Creation Date:	6/12/2001 0:00:00
Receipt Date:	20010306
Manifest ID:	20142571
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	4.775
Waste Quantity:	9550
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1996
Gen EPA ID:	CAD021858063

CROCKER PLATING WORKS (Continued) **1000173201**

Shipment Date:	19961107
Creation Date:	5/20/1997 0:00:00
Receipt Date:	19961107
Manifest ID:	95932968
Trans EPA ID:	CAT080032253
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	711 - Liquids with cyanides > 1000 mg/l
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	2.085
Waste Quantity:	500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960828
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960830
Manifest ID:	95734149
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	3
Waste Quantity:	6000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19960508
Creation Date:	5/30/1997 0:00:00
Receipt Date:	19960516
Manifest ID:	95873543
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500

CROCKER PLATING WORKS (Continued) **1000173201**

Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F005
Meth Code:	R01 - Recycler
Quantity Tons:	3.0035
Waste Quantity:	6007
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2004
Gen EPA ID:	CAD021858063
Shipment Date:	20041115
Creation Date:	2/17/2005 18:32:22
Receipt Date:	20041124
Manifest ID:	23609985
Trans EPA ID:	CAD059240713
Trans Name:	MC NOTTINGHAM CO OF SO CAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	WORLD RESOURCES COMPANY
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	4.214
Waste Quantity:	5
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20041021
Creation Date:	1/11/2005 18:30:51
Receipt Date:	20041021
Manifest ID:	23390677
Trans EPA ID:	CAR000065599
Trans Name:	ENVIRONMENTAL MANAGEMENT TECH
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US FILTER
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Meth Code:	H01 - Transfer Station
Quantity Tons:	1.045
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040901
Creation Date:	12/21/2004 18:30:50
Receipt Date:	20040907
Manifest ID:	21302321
Trans EPA ID:	CAD059240713
Trans Name:	MC NOTTINGHAM CO OF SO CAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	WORLD RESOURCES COMPANY
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	5.0568
Waste Quantity:	6
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040610
Creation Date:	10/29/2004 7:58:42
Receipt Date:	20040610
Manifest ID:	23390517
Trans EPA ID:	CAR000065599
Trans Name:	ENVIRONMENTAL MANAGEMENT TECH
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US FILTER
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.045
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Shipment Date:	20040604
Creation Date:	11/1/2004 9:00:46
Receipt Date:	20040609
Manifest ID:	21302322
Trans EPA ID:	CAD059240713
Trans Name:	MC NOTTINGHAM CO OF SO CAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	WORLD RESOURCES COMPANY
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	5.0568
Waste Quantity:	6
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040223
Creation Date:	10/1/2004 18:31:52
Receipt Date:	20040304
Manifest ID:	22546448
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	DK ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D007
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040223
Creation Date:	10/1/2004 18:31:52
Receipt Date:	20040304
Manifest ID:	22546448
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681

CROCKER PLATING WORKS (Continued) **1000173201**

Trans Name:	DK ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	D007
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	0.45
Waste Quantity:	900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040223
Creation Date:	10/1/2004 18:31:52
Receipt Date:	20040304
Manifest ID:	22546448
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	DK ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	D007
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.3
Waste Quantity:	600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20040219
Creation Date:	9/10/2004 9:51:11
Receipt Date:	20040220
Manifest ID:	21302320
Trans EPA ID:	CAD059240713
Trans Name:	MC NOTTINGHAM CO OF SO CAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	WORLD RESOURCES COMPANY
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	5.0568
Waste Quantity:	6
Quantity Unit:	Y

CROCKER PLATING WORKS (Continued) **1000173201**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1995
Gen EPA ID:	CAD021858063
Shipment Date:	19951213
Creation Date:	7/29/1996 0:00:00
Receipt Date:	19951218
Manifest ID:	95448370
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	3.925
Waste Quantity:	7850
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19950811
Creation Date:	4/3/1996 0:00:00
Receipt Date:	19950822
Manifest ID:	95448559
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	3.6105
Waste Quantity:	7221
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Shipment Date:	19950608
Creation Date:	4/2/1996 0:00:00
Receipt Date:	19950608
Manifest ID:	93440808
Trans EPA ID:	CAT080032253
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	2.502
Waste Quantity:	600
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950418
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950420
Manifest ID:	92880070
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	3.5825
Waste Quantity:	7165
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19950120
Creation Date:	3/29/1996 0:00:00
Receipt Date:	19950126
Manifest ID:	95106676
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500

CROCKER PLATING WORKS (Continued) **1000173201**

Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	2.685
Waste Quantity:	5370
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1994
Gen EPA ID:	CAD021858063
Shipment Date:	19941003
Creation Date:	10/19/1995 0:00:00
Receipt Date:	19941005
Manifest ID:	93707830
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	4
Waste Quantity:	8000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940908
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940916
Manifest ID:	93707677
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006

CROCKER PLATING WORKS (Continued) **1000173201**

Meth Code:	R01 - Recycler
Quantity Tons:	1.25
Waste Quantity:	2500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940707
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940719
Manifest ID:	93080520
Trans EPA ID:	CAD982403933
Trans Name:	Not reported
Trans 2 EPA ID:	CAD004778742
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD982441263
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19940621
Creation Date:	3/26/1996 0:00:00
Receipt Date:	19940630
Manifest ID:	93707373
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	3.7575
Waste Quantity:	7515
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Shipment Date:	19940331
Creation Date:	3/25/1996 0:00:00
Receipt Date:	Not reported
Manifest ID:	92184718
Trans EPA ID:	CAD079295371
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	711 - Liquids with cyanides > 1000 mg/l
RCRA Code:	F007
Meth Code:	- Not reported
Quantity Tons:	0.417
Waste Quantity:	100
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19940302
Creation Date:	10/5/1995 0:00:00
Receipt Date:	19940303
Manifest ID:	93152769
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	4.357
Waste Quantity:	8714
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2007
Gen EPA ID:	CAD021858063

Shipment Date:	20071126
Creation Date:	5/30/2008 18:30:16
Receipt Date:	20071204
Manifest ID:	003060078JJK
Trans EPA ID:	CAD059240713

CROCKER PLATING WORKS (Continued) **1000173201**

Trans Name:	MC NOTTINGHAM CO OF SO CAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	WORLD RESOURCES COMPANY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	2.5284
Waste Quantity:	3
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20071112
Creation Date:	4/22/2008 18:30:23
Receipt Date:	20071119
Manifest ID:	001033474FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.14675
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070821
Creation Date:	2/5/2008 18:30:13
Receipt Date:	20070830
Manifest ID:	003060080JJK
Trans EPA ID:	CAD059240713
Trans Name:	MC NOTTINGHAM CO OF SO CAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	WORLD RESOURCES COMPANY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	3.3712
Waste Quantity:	4
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070508
Creation Date:	6/9/2008 18:30:08
Receipt Date:	20070510
Manifest ID:	000369992JJK
Trans EPA ID:	CAD059240713
Trans Name:	MC NOTTINGHAM CO OF SO CAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	WORLD RESOURCES COMPANY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	H129 - Other Treatment
Quantity Tons:	3.3712
Waste Quantity:	4
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070221
Creation Date:	6/4/2008 18:30:08
Receipt Date:	20070223
Manifest ID:	000369995JJK
Trans EPA ID:	CAD059240713
Trans Name:	MC NOTTINGHAM CO OF SO CAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	WORLD RESOURCES COMPANY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	H129 - Other Treatment
Quantity Tons:	3.3712
Waste Quantity:	4
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20070105
Creation Date:	9/20/2007 18:30:23
Receipt Date:	20070115
Manifest ID:	000894089FLE
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	1.14675
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1999
Gen EPA ID:	CAD021858063
Shipment Date:	19991119
Creation Date:	2/28/2000 0:00:00
Receipt Date:	19991203
Manifest ID:	99449715
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	1.8245
Waste Quantity:	3649
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Shipment Date:	19991115
Creation Date:	1/11/2000 0:00:00
Receipt Date:	19991118
Manifest ID:	99304975
Trans EPA ID:	CAD981446156
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	F007
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.75
Waste Quantity:	1500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19991115
Creation Date:	1/19/2000 0:00:00
Receipt Date:	19991115
Manifest ID:	99367259
Trans EPA ID:	CAT080032253
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	D002
Meth Code:	R01 - Recycler
Quantity Tons:	2.94
Waste Quantity:	700
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19991011
Creation Date:	12/17/1999 0:00:00
Receipt Date:	19991012
Manifest ID:	99304847
Trans EPA ID:	CAD981446156
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019

CROCKER PLATING WORKS (Continued) **1000173201**

Trans Name:	Not reported
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	F007
Meth Code:	H01 - Transfer Station
Quantity Tons:	2.55
Waste Quantity:	5100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990901
Creation Date:	11/19/1999 0:00:00
Receipt Date:	19990902
Manifest ID:	99115968
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	2.2
Waste Quantity:	4400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19990409
Creation Date:	6/10/1999 0:00:00
Receipt Date:	19990416
Manifest ID:	98835134
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	1.1
Waste Quantity:	2200
Quantity Unit:	P

CROCKER PLATING WORKS (Continued) **1000173201**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19990111
Creation Date:	3/17/1999 0:00:00
Receipt Date:	19990113
Manifest ID:	97447131
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	4.1
Waste Quantity:	8200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2008
Gen EPA ID:	CAD021858063
Shipment Date:	20081223
Creation Date:	4/28/2009 18:30:08
Receipt Date:	20081231
Manifest ID:	005543307JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	NJD986607380
Trans 2 Name:	MAUMEE EXPRESS (ID #778)
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	1.0425
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Additional Code 5:	Not reported
Shipment Date:	20081204
Creation Date:	2/20/2009 18:30:31
Receipt Date:	20081215
Manifest ID:	005542527JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081204
Creation Date:	4/16/2009 18:30:10
Receipt Date:	20081218
Manifest ID:	005542532JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	NJD986607380
Trans 2 Name:	MUAMMEE EXPRESS
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081204
Creation Date:	2/4/2009 18:30:20
Receipt Date:	20081211
Manifest ID:	005542526JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC

CROCKER PLATING WORKS (Continued) **1000173201**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20081204
Creation Date:	2/20/2009 18:30:31
Receipt Date:	20081215
Manifest ID:	005542527JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D007
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20081204
Creation Date:	4/8/2009 18:30:30
Receipt Date:	20081205
Manifest ID:	004928293JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000189928
Trans 2 Name:	NV TRANSPORT
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	F006

CROCKER PLATING WORKS (Continued) **1000173201**

Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	33.712
Waste Quantity:	40
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081124
Creation Date:	3/31/2009 18:30:08
Receipt Date:	20081208
Manifest ID:	004928781JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	MAD039322250
Trans 2 Name:	CLEAN HARBORS
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081124
Creation Date:	1/14/2009 18:30:27
Receipt Date:	20081203
Manifest ID:	004928798JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000186049
Trans 2 Name:	BB'S TRKG
TSDF EPA ID:	AZR000030452
Trans Name:	LIQUID ENVIRONMENTAL SOLUTIONS OF ARIZONA
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H135 - Discharge To Sewer/Potw Or Npdes(With Prior Storage--With Or Without Treatment)
Quantity Tons:	0.095
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081124
Creation Date:	1/14/2009 18:30:08
Receipt Date:	20081126
Manifest ID:	004928797JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008488025
Trans Name:	PHIBRO TECH
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	122 - Alkaline solution without metals (pH > 12.5
RCRA Code:	D002
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.22935
Waste Quantity:	55
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20081124
Creation Date:	4/8/2009 18:30:08
Receipt Date:	20081125
Manifest ID:	004928292JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIRONMENTAL RECOVERY SERVICES INC
Trans 2 EPA ID:	CAR000175901
Trans 2 Name:	PEREZ TRUCKING SERVICE CORP
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	F006
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	33.712
Waste Quantity:	40
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2006
Gen EPA ID:	CAD021858063

CROCKER PLATING WORKS (Continued) **1000173201**

Shipment Date:	20060920
Creation Date:	6/29/2007 18:30:21
Receipt Date:	20060926
Manifest ID:	000369993JJK
Trans EPA ID:	CAD059240713
Trans Name:	MC NOTTINGHAM CO OF SO CAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	WORLD RESOURCES COMPANY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	H129 - Other Treatment
Quantity Tons:	3.3712
Waste Quantity:	4
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060726
Creation Date:	10/25/2006 18:31:09
Receipt Date:	20060803
Manifest ID:	24328068
Trans EPA ID:	CAD059240713
Trans Name:	MC NOTTINGHAM CO OF SO CAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	WORLD RESOURCES COMPANY
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	4.214
Waste Quantity:	5
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060526
Creation Date:	8/25/2006 18:37:06
Receipt Date:	20060606
Manifest ID:	24851713
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZR000501510

CROCKER PLATING WORKS (Continued) **1000173201**

Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.14675
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060427
Creation Date:	3/14/2007 18:30:41
Receipt Date:	20060428
Manifest ID:	24853458
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US FILTER RECOVERY SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D007
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.7
Waste Quantity:	1400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20060330
Creation Date:	7/29/2006 18:34:05
Receipt Date:	20060406
Manifest ID:	24328067
Trans EPA ID:	CAD059240713
Trans Name:	MC NOTTINGHAM CO OF SO CAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	WORLD RESOURCES COMPANY
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	5.0568
Waste Quantity:	6
Quantity Unit:	Y

CROCKER PLATING WORKS (Continued) **1000173201**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2005
Gen EPA ID:	CAD021858063
Shipment Date:	20051213
Creation Date:	3/22/2006 18:31:02
Receipt Date:	20051223
Manifest ID:	24328066
Trans EPA ID:	CAD059240713
Trans Name:	MC NOTTINGHAM CO OF SO CAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	WORLD RESOURCES COMPANY
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	4.214
Waste Quantity:	5
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20051202
Creation Date:	3/16/2006 18:30:37
Receipt Date:	20051209
Manifest ID:	24850503
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US FILTER RECOVERY SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	711 - Liquids with cyanides > 1000 mg/l
RCRA Code:	D007
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.8348
Waste Quantity:	440
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Shipment Date:	20051108
Creation Date:	1/2/2007 18:30:32
Receipt Date:	20051115
Manifest ID:	24841249
Trans EPA ID:	CAR000065599
Trans Name:	ENVIRONMENTAL MANAGEMENT TECH
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.14675
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20051108
Creation Date:	5/6/2006 18:31:14
Receipt Date:	20051115
Manifest ID:	24517997
Trans EPA ID:	CAR000065599
Trans Name:	ENVIRONMENTAL MANAGEMENT TECH
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	D/K ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.14675
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20051027
Creation Date:	12/22/2006 18:30:28
Receipt Date:	20051027
Manifest ID:	24517977
Trans EPA ID:	CAR000065599
Trans Name:	ENVIRONMENTAL MANAGEMENT TECH
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019

CROCKER PLATING WORKS (Continued) **1000173201**

Trans Name:	CROSBY & OVERTON
TSDF Alt EPA ID:	CAD028409019
TSDF Alt Name:	Not reported
Waste Code Description:	222 - Oil/water separation sludge
RCRA Code:	Not reported
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	1.14675
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050927
Creation Date:	5/24/2006 18:31:13
Receipt Date:	20050930
Manifest ID:	24415053
Trans EPA ID:	CAD980585293
Trans Name:	INDUSTRIAL WASTE UTILIZATION INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	DK ENVIRONMENTAL
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	D007
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	0.84
Waste Quantity:	200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20050907
Creation Date:	8/23/2006 18:35:03
Receipt Date:	20050914
Manifest ID:	23610138
Trans EPA ID:	CAD059240713
Trans Name:	MC NOTTINGHAM CO OF SO CAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	WORLD RESOURCES COMPANY
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	5.0568
Waste Quantity:	6
Quantity Unit:	Y

CROCKER PLATING WORKS (Continued) **1000173201**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050715
Creation Date:	4/13/2006 18:46:51
Receipt Date:	20050719
Manifest ID:	24545095
Trans EPA ID:	CAD982440364
Trans Name:	PFR ENVIRONMENTAL SERVICES INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US FILTER
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	D008
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.045
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050601
Creation Date:	9/16/2005 18:31:41
Receipt Date:	20050603
Manifest ID:	23610139
Trans EPA ID:	CAD059240713
Trans Name:	MC NOTTINGHAM CO OF SO CAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	WORLD RESOURCES COMPANY
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	5.0568
Waste Quantity:	6
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20050303
Creation Date:	7/21/2005 18:31:13
Receipt Date:	20050303

CROCKER PLATING WORKS (Continued) **1000173201**

Manifest ID:	23390782
Trans EPA ID:	CAR000065599
Trans Name:	ENVIRONMENTAL MANAGEMENT TECH
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US FILTER
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.045
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1993
Gen EPA ID:	CAD021858063
Shipment Date:	19931028
Creation Date:	9/13/1995 0:00:00
Receipt Date:	19931028
Manifest ID:	92184186
Trans EPA ID:	CAD072953771
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	F006
Meth Code:	D99 - Disposal, Other
Quantity Tons:	2.825
Waste Quantity:	5650
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930715
Creation Date:	9/11/1995 0:00:00
Receipt Date:	19930722
Manifest ID:	92476637
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	6.561
Waste Quantity:	13122
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930519
Creation Date:	9/8/1995 0:00:00
Receipt Date:	19930519
Manifest ID:	92253448
Trans EPA ID:	CAD072953771
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	711 - Liquids with cyanides > 1000 mg/l
RCRA Code:	D002
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	5.2125
Waste Quantity:	1250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930430
Creation Date:	9/9/1995 0:00:00
Receipt Date:	19930507
Manifest ID:	92681766
Trans EPA ID:	CAD982403933
Trans Name:	Not reported
Trans 2 EPA ID:	CAD004778742
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD982441263
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	T03 - Treatment, Incineration
Quantity Tons:	0.9
Waste Quantity:	1800

CROCKER PLATING WORKS (Continued) **1000173201**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930311
Creation Date:	9/6/1995 0:00:00
Receipt Date:	19930317
Manifest ID:	92477046
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	5.745
Waste Quantity:	11490
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930211
Creation Date:	9/15/1995 0:00:00
Receipt Date:	19930211
Manifest ID:	92252781
Trans EPA ID:	CAD072953771
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	CAD097030993
TSDF Alt Name:	Not reported
Waste Code Description:	711 - Liquids with cyanides > 1000 mg/l
RCRA Code:	F007
Meth Code:	T01 - Treatment, Tank
Quantity Tons:	5.004
Waste Quantity:	1200
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19930113
Creation Date:	9/6/1995 0:00:00

CROCKER PLATING WORKS (Continued) **1000173201**

Receipt Date:	19930115
Manifest ID:	92477029
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	1.85
Waste Quantity:	3700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2003
Gen EPA ID:	CAD021858063
Shipment Date:	20031223
Creation Date:	8/13/2004 7:53:20
Receipt Date:	20031223
Manifest ID:	22226757
Trans EPA ID:	CAR000065599
Trans Name:	CLEAN WORLD ENVIRONMENTAL
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US FILTER
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.045
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20031003
Creation Date:	8/20/2004 8:27:39
Receipt Date:	20031008
Manifest ID:	21302317
Trans EPA ID:	CAD059240713
Trans Name:	MC NOTTINGHAM CO OF SO CAL
Trans 2 EPA ID:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Trans 2 Name: Not reported
TSDF EPA ID: AZD980735500
Trans Name: WORLD RESOURCES COMPANY
TSDF Alt EPA ID: AZD980735500
TSDF Alt Name: Not reported
Waste Code Description: 171 - Metal sludge (see 121
RCRA Code: F006
Meth Code: R01 - Recycler
Quantity Tons: 4.214
Waste Quantity: 5
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20030813
Creation Date: 7/28/2004 10:48:03
Receipt Date: 20030819
Manifest ID: 22567723
Trans EPA ID: CAR000089474
Trans Name: Not reported
Trans 2 EPA ID: UTD988072401
Trans 2 Name: Not reported
TSDF EPA ID: AZT050010685
Trans Name: Not reported
TSDF Alt EPA ID: AZT050010685
TSDF Alt Name: Not reported
Waste Code Description: 181 - Other inorganic solid waste Organics
RCRA Code: F008
Meth Code: R01 - Recycler
Quantity Tons: 0.06
Waste Quantity: 120
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20030630
Creation Date: 7/26/2004 18:31:36
Receipt Date: 20030702
Manifest ID: 21302319
Trans EPA ID: CAD059240713
Trans Name: Not reported
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: AZD980735500
Trans Name: Not reported
TSDF Alt EPA ID: AZD980735500
TSDF Alt Name: Not reported
Waste Code Description: 171 - Metal sludge (see 121
RCRA Code: F006
Meth Code: R01 - Recycler
Quantity Tons: 5.0568

CROCKER PLATING WORKS (Continued) **1000173201**

Waste Quantity:	6
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030515
Creation Date:	8/29/2003 18:31:02
Receipt Date:	20030515
Manifest ID:	22226592
Trans EPA ID:	CAR000065599
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	711 - Liquids with cyanides > 1000 mg/l
RCRA Code:	F007
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.0425
Waste Quantity:	250
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030207
Creation Date:	1/5/2007 18:30:16
Receipt Date:	20030219
Manifest ID:	21302318
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	5.0568
Waste Quantity:	6
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20030207

CROCKER PLATING WORKS (Continued) **1000173201**

Creation Date:	1/5/2007 18:30:16
Receipt Date:	20030219
Manifest ID:	21302318
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	- Not reported
Quantity Tons:	1.6856
Waste Quantity:	2
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20030115
Creation Date:	5/18/2003 14:28:17
Receipt Date:	20030115
Manifest ID:	22226445
Trans EPA ID:	CAR000065599
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.045
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2002
Gen EPA ID:	CAD021858063

Shipment Date:	20021003
Creation Date:	2/21/2003 10:41:38
Receipt Date:	20021009
Manifest ID:	21288547
Trans EPA ID:	CAD059240713
Trans Name:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	5.0568
Waste Quantity:	6
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020828
Creation Date:	1/28/2003 18:31:46
Receipt Date:	20020828
Manifest ID:	21656266
Trans EPA ID:	CAR000075424
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.045
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020805
Creation Date:	1/27/2003 18:31:12
Receipt Date:	20020807
Manifest ID:	21288550
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler

CROCKER PLATING WORKS (Continued) **1000173201**

Quantity Tons:	0.8428
Waste Quantity:	1
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020805
Creation Date:	1/27/2003 18:31:12
Receipt Date:	20020807
Manifest ID:	21288550
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	- Not reported
Quantity Tons:	2.5284
Waste Quantity:	3
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20020718
Creation Date:	12/24/2002 18:31:52
Receipt Date:	Not reported
Manifest ID:	21818723
Trans EPA ID:	CAR000053405
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ILD000608471
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	711 - Liquids with cyanides > 1000 mg/l
RCRA Code:	F008
Meth Code:	- Not reported
Quantity Tons:	2.4
Waste Quantity:	4800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Shipment Date:	20020618
Creation Date:	9/18/2002 18:31:39
Receipt Date:	20020624
Manifest ID:	21272326
Trans EPA ID:	CAR000065599
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.045
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020614
Creation Date:	8/29/2002 18:31:58
Receipt Date:	20020620
Manifest ID:	21288523
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	5.0568
Waste Quantity:	6
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020514
Creation Date:	8/29/2002 18:31:16
Receipt Date:	20020520
Manifest ID:	21272290
Trans EPA ID:	CAR000065599
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352

CROCKER PLATING WORKS (Continued) **1000173201**

Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.026
Waste Quantity:	270
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020408
Creation Date:	7/17/2002 18:34:52
Receipt Date:	20020409
Manifest ID:	21061787
Trans EPA ID:	CAD063547996
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	4
Waste Quantity:	8000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20020205
Creation Date:	7/25/2002 18:31:24
Receipt Date:	20020213
Manifest ID:	21272140
Trans EPA ID:	CAR000065599
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.045
Waste Quantity:	275
Quantity Unit:	G

CROCKER PLATING WORKS (Continued) **1000173201**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1998
Gen EPA ID:	CAD021858063
Shipment Date:	19980916
Creation Date:	12/7/1998 0:00:00
Receipt Date:	19980924
Manifest ID:	97447126
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	6.015
Waste Quantity:	12030
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19980813
Creation Date:	11/2/1998 0:00:00
Receipt Date:	19980813
Manifest ID:	95933090
Trans EPA ID:	CAT080032253
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	711 - Liquids with cyanides > 1000 mg/l
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	2.085
Waste Quantity:	500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Shipment Date:	19980423
Creation Date:	6/26/1998 0:00:00
Receipt Date:	19980428
Manifest ID:	97446863
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	2.65
Waste Quantity:	5300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2000
Gen EPA ID:	CAD021858063

Shipment Date:	20001120
Creation Date:	3/6/2001 0:00:00
Receipt Date:	20001207
Manifest ID:	20142570
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	4
Waste Quantity:	8000
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20001023
Creation Date:	1/9/2001 0:00:00
Receipt Date:	20001023
Manifest ID:	20215848
Trans EPA ID:	CAR000065599

CROCKER PLATING WORKS (Continued) **1000173201**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080013352
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	R01 - Recycler
Quantity Tons:	1.672
Waste Quantity:	440
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000817
Creation Date:	10/23/2000 0:00:00
Receipt Date:	Not reported
Manifest ID:	99703055
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	1.7
Waste Quantity:	500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20000731
Creation Date:	10/23/2000 0:00:00
Receipt Date:	20000809
Manifest ID:	99720945
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006

CROCKER PLATING WORKS (Continued) **1000173201**

Meth Code:	R01 - Recycler
Quantity Tons:	5.75
Waste Quantity:	11500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000615
Creation Date:	4/30/2001 0:00:00
Receipt Date:	20000621
Manifest ID:	99710753
Trans EPA ID:	CAD980585293
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980892731
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	1.7
Waste Quantity:	500
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20000512
Creation Date:	8/1/2000 0:00:00
Receipt Date:	20000517
Manifest ID:	99720944
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	0.185
Waste Quantity:	370
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

CROCKER PLATING WORKS (Continued) **1000173201**

Shipment Date:	20000216
Creation Date:	5/17/2000 0:00:00
Receipt Date:	20000217
Manifest ID:	99449997
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	4.25
Waste Quantity:	8500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	1997
Gen EPA ID:	CAD021858063

Shipment Date:	19971219
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19971229
Manifest ID:	96778581
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	5.8
Waste Quantity:	11600
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	19970730
Creation Date:	7/23/1998 0:00:00
Receipt Date:	19970807
Manifest ID:	96760314
Trans EPA ID:	CAD059240713

CROCKER PLATING WORKS (Continued) **1000173201**

Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	4.9
Waste Quantity:	9800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970521
Creation Date:	7/17/1997 0:00:00
Receipt Date:	19970523
Manifest ID:	96355431
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006
Meth Code:	R01 - Recycler
Quantity Tons:	0.9
Waste Quantity:	1800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	19970107
Creation Date:	6/26/1997 0:00:00
Receipt Date:	19970113
Manifest ID:	96355123
Trans EPA ID:	CAD059240713
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	AZD980735500
Trans Name:	Not reported
TSDF Alt EPA ID:	AZD980735500
TSDF Alt Name:	Not reported
Waste Code Description:	171 - Metal sludge (see 121
RCRA Code:	F006

CROCKER PLATING WORKS (Continued) **1000173201**

Meth Code:	R01 - Recycler
Quantity Tons:	4.01
Waste Quantity:	8020
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LA Co. Site Mitigation:

Name:	CROCKER PLATING WORKS
Address:	5908 CROCKER ST
City,State,Zip:	LOS ANGELES, CA 90003
Facility ID:	Not reported
Status:	Not reported
Site ID:	SD0000471
Jurisdiction:	State
Case ID:	RO0001471
Abated:	Yes
Assigned To:	Not reported
Entered Date:	10/13/2011
Abated Date:	Not reported

HWTS:

Name:	CROCKER PLATING WORKS
Address:	5908 CROCKER STREET
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900030000
EPA ID:	CAD021858063
Inactive Date:	06/30/2009
Create Date:	07/23/1982
Last Act Date:	04/13/2010
Mailing Name:	Not reported
Mailing Address:	5908 CROCKER ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900031314
Owner Name:	VAHAN MEMLEY
Owner Address:	1279 S MINNEWAWA
Owner Address 2:	Not reported
Owner City,State,Zip:	FRESNO, CA 937271314
Contact Name:	ELVIRA R. LORENZO CHEMIST
Contact Address:	5908 CROCKER STREET
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900030000

NAICS:

EPA ID:	CAD021858063
Create Date:	2004-10-20 10:23:57.043
NAICS Code:	332813
NAICS Description:	Electroplating, Plating, Polishing, Anodizing, and Coloring
Issued EPA ID Date:	1982-07-23 00:00:00
Inactive Date:	2009-06-30 00:00:00
Facility Name:	CROCKER PLATING WORKS
Facility Address:	5908 CROCKER STREET
Facility Address 2:	Not reported
Facility City:	LOS ANGELES

CROCKER PLATING WORKS (Continued) **1000173201**

Facility County:	Not reported
Facility State:	CA
Facility Zip:	900030000
EPA ID:	CAD021858063
Create Date:	2004-10-20 10:23:57.043
NAICS Code:	332813
NAICS Description:	Electroplating, Plating, Polishing, Anodizing, and Coloring
Issued EPA ID Date:	1982-07-23 00:00:00
Inactive Date:	2009-06-30 00:00:00
Facility Name:	CROCKER PLATING WORKS
Facility Address:	5908 CROCKER STREET
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	900030000

90
ENE
1/2-1
0.789 mi.
4165 ft.

ASCOT AVENUE ES ADDITION **ENVIROSTOR** **S118756576**
1447 EAST 45TH STREET **SCH** **N/A**
LOS ANGELES, CA 90011

Relative:
Higher

Actual:
196 ft.

ENVIROSTOR:

Name:	ASCOT AVENUE ES ADDITION
Address:	1447 EAST 45TH STREET
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	19820041
Status:	No Action Required
Status Date:	04/20/2001
Site Code:	304235
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	1
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	53
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	34.00326
Longitude:	-118.2486
APN:	NONE SPECIFIED
Past Use:	* EDUCATIONAL SERVICES
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	NONE SPECIFIED
Potential Description:	NMA
Alias Name:	ASCOT AVENUE ELEMENTARY SCHOOL ADDITION
Alias Type:	Alternate Name
Alias Name:	LAUSD-ASCOT AVE ELEMENTARY ADDITION

ASCOT AVENUE ES ADDITION (Continued) **S118756576**

Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 110013315616
Alias Type: EPA (FRS #)
Alias Name: 304235
Alias Type: Project Code (Site Code)
Alias Name: 19820041
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 04/20/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: ASCOT AVENUE ES ADDITION
Address: 1447 EAST 45TH STREET
City,State,Zip: LOS ANGELES, CA 90011
Facility ID: 19820041
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304235
Assembly: 53
Senate: 30
Special Program Status: Not reported
Status: No Action Required
Status Date: 04/20/2001
Restricted Use: NO

ASCOT AVENUE ES ADDITION (Continued) **S118756576**

Funding:	School District
Latitude:	34.00326
Longitude:	-118.2486
APN:	NONE SPECIFIED
Past Use:	* EDUCATIONAL SERVICES
Potential COC:	NONE SPECIFIED, No Contaminants found
Confirmed COC:	NONE SPECIFIED
Potential Description:	NMA
Alias Name:	ASCOT AVENUE ELEMENTARY SCHOOL ADDITION
Alias Type:	Alternate Name
Alias Name:	LAUSD-ASCOT AVE ELEMENTARY ADDITION
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	110013315616
Alias Type:	EPA (FRS #)
Alias Name:	304235
Alias Type:	Project Code (Site Code)
Alias Name:	19820041
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	04/20/2001
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

S91 **PLATING SHOP** **ENVIROSTOR** **S104241817**
SE **5816 HOOPER AVENUE** **N/A**
1/2-1 **LOS ANGELES, CA 90011**
0.798 mi.
4213 ft. **Site 1 of 3 in cluster S**

Relative: **Lower**

Actual: **173 ft.**

ENVIROSTOR:

Name:	PLATING SHOP
Address:	5816 HOOPER AVENUE
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	19340778
Status:	Inactive - Needs Evaluation
Status Date:	01/15/2002
Site Code:	300684

PLATING SHOP (Continued) **S104241817**

Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Not reported
Supervisor:	* Greg Holmes
Division Branch:	Cleanup Cypress
Assembly:	59
Senate:	33
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.98961
Longitude:	-118.2509
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	* HALOGENATED SOLVENTS * ACID SOLUTION WITHOUT METALS Cadmium and compounds Chromium VI
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	FATHER AND SONS AUTO SALES
Alias Type:	Alternate Name
Alias Name:	PLATING SHOP
Alias Type:	Alternate Name
Alias Name:	TOUCH OF CLASS FURNITURE SHOP
Alias Type:	Alternate Name
Alias Name:	300684
Alias Type:	Project Code (Site Code)
Alias Name:	19340778
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	PA/SI Site Screening
Completed Date:	09/02/1997
Comments:	Site Screening submitted to EPA 05/21/97; EPA Concurrence With Site Recommendation 09/02/97.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	PA/SI Site Screening
Completed Date:	06/26/1998
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

S92 **MASTER BODY SHOP** **ENVIROSTOR** **S117038733**
SE **1322 EAST SLAUSON AVENUE** **N/A**
1/2-1 **LOS ANGELES, CA 90001**
0.801 mi.
4231 ft. **Site 2 of 3 in cluster S**

Relative:
Lower

Actual:
172 ft.

ENVIROSTOR:

Name:	MASTER BODY SHOP
Address:	1322 EAST SLAUSON AVENUE
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	60002094
Status:	Refer: EPA
Status Date:	10/30/2018
Site Code:	301688
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Folashade Simpson
Supervisor:	Sayareh Amirebrahimi
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	33
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98932
Longitude:	-118.2510
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	Masters Body Shop
Alias Type:	Alternate Name
Alias Name:	CAN000905823
Alias Type:	EPA Identification Number
Alias Name:	301688
Alias Type:	Project Code (Site Code)
Alias Name:	60002094
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	Not reported
Completed Sub Area Name:	Not reported
Completed Document Type:	Not reported
Completed Date:	Not reported
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported

MASTER BODY SHOP (Continued) **S117038733**

Schedule Revised Date: Not reported

S93 **BAUHAUS GROUP** **ENVIROSTOR** **S105954459**
SE **1316 EAST SLAUSON AVENUE** **N/A**
1/2-1 **LOS ANGELES, CA 90011**
0.812 mi.
4285 ft. **Site 3 of 3 in cluster S**

Relative: **Lower**
Actual: **172 ft.**

ENVIROSTOR:

Name:	BAUHAUS GROUP
Address:	1316 EAST SLAUSON AVENUE
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	19320198
Status:	Inactive - Action Required
Status Date:	06/26/2003
Site Code:	301141
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0.31
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Not reported
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	33
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98909
Longitude:	-118.2512
APN:	6008018027
Past Use:	METAL FINISHING, PAINT/DEPAINT FACILITY, RECYCLING - SCRAP METAL
Potential COC:	* UNSPECIFIED SOLVENT MIXTURES Lead Selenium
Confirmed COC:	NONE SPECIFIED
Potential Description:	AQUI, SOIL, SV
Alias Name:	U.S. SCRAP
Alias Type:	Alternate Name
Alias Name:	WESTERN NEWS RACK
Alias Type:	Alternate Name
Alias Name:	6008018027
Alias Type:	APN
Alias Name:	CAN000905727
Alias Type:	CERCLIS ID
Alias Name:	301141
Alias Type:	Project Code (Site Code)
Alias Name:	19320198
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/26/2003
Comments:	Completed Preliminary Assessment - EPA is recommending this site for further investigation.

BAUHAUS GROUP (Continued) **S105954459**

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

94
SE
1/2-1
0.812 mi.
4290 ft.

OLD COUNTRY MIL WORKS INC. **ENVIROSTOR** **S107527705**
1212 E. 58TH DR. **CDL** **N/A**
LOS ANGELES, CA 90001

Relative:
Lower

Actual:
169 ft.

ENVIROSTOR:

Name:	OLD COUNTRY MIL WORKS INC.
Address:	1212 E. 58TH DR.
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	60001699
Status:	No Action Required
Status Date:	09/27/2016
Site Code:	301747
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1.5
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Assembly:	46, 59
Senate:	33
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98767
Longitude:	-118.2534
APN:	NONE SPECIFIED
Past Use:	PAINT/DEPAINT FACILITY
Potential COC:	Total Chromium (1:6 ratio Cr VI:Cr III Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC:	Total Chromium (1:6 ratio Cr VI:Cr III Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description:	OTH
Alias Name:	OLD COUNTRY MILL WORKS
Alias Type:	Alternate Name
Alias Name:	CAD983672445
Alias Type:	EPA Identification Number
Alias Name:	301747
Alias Type:	Project Code (Site Code)
Alias Name:	60001699
Alias Type:	Envirostor ID Number

Completed Info:

OLD COUNTRY MIL WORKS INC. (Continued) **S107527705**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 09/27/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/28/2000
Comments: .

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CDL:
Name: Not reported
Address: 1212 E 58TH DRIVE
City,State,Zip: LOS ANGELES, CA 90001
Facility ID: 2001-01-003
Date: 01/02/2001
Labtype: Illegal Drug lab
Lab Type: Illegal Drug Lab (L) - location where an illegal drug lab was operated or drug lab equipment and/or materials were stored.

---

95 South 1/2-1 0.814 mi. 4300 ft. **HI-TECH IRON WORKS** **SEMS-ARCHIVE** **1001491897**
701 EAST 60TH STREET **ENVIROSTOR** **CASFN0905554**
LOS ANGELES, CA 90001 **HAZMAT**
HWTS

Relative: Lower
Actual: 166 ft.

SEMS Archive:
Site ID: 0905554
EPA ID: CASFN0905554
Name: HI-TECH IRON WORKS
Address: 701 EAST 60TH STREET
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90001
Cong District: Not reported
FIPS Code: 06037
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 09
Site ID: 0905554
EPA ID: CASFN0905554
Site Name: HI-TECH IRON WORKS
NPL: N
FF: N

HI-TECH IRON WORKS (Continued) **1001491897**

OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2002-10-28 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	09
Site ID:	0905554
EPA ID:	CASFN0905554
Site Name:	HI-TECH IRON WORKS
NPL:	N
FF:	N
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1999-06-28 04:00:00
Finish Date:	1999-06-28 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf
Region:	09
Site ID:	0905554
EPA ID:	CASFN0905554
Site Name:	HI-TECH IRON WORKS
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	2
Start Date:	2001-09-26 04:00:00
Finish Date:	2002-07-16 04:00:00
Qual:	N
Current Action Lead:	St Perf
Region:	09
Site ID:	0905554
EPA ID:	CASFN0905554
Site Name:	HI-TECH IRON WORKS
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	2000-08-15 04:00:00
Finish Date:	2001-06-30 04:00:00
Qual:	H
Current Action Lead:	St Perf

ENVIROSTOR:
Name: HI-TECH IRON WORKS

HI-TECH IRON WORKS (Continued) **1001491897**

Address:	701 EAST 60TH STREET
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	19340782
Status:	No Further Action
Status Date:	05/30/2002
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0.4
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	Rita Kamat
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	30
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98601
Longitude:	-118.2627
APN:	6007005012
Past Use:	METAL FINISHING, PAINT/DEPAINT FACILITY
Potential COC:	Tetrachloroethylene (PCE
Confirmed COC:	Tetrachloroethylene (PCE
Potential Description:	SOIL, SV
Alias Name:	6007005012
Alias Type:	APN
Alias Name:	CASFN0905554
Alias Type:	CERCLIS ID
Alias Name:	19340782
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	05/30/2002
Comments:	No further action.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/28/2001
Comments:	Preliminary Assessment to review existing information on the Site and to determine what threats, if any, were posed by the Site. Determined that, although there is no evidence of release at the Site, waste oil may have spilled on the ground (possible release of lead) and solvents from furniture manufacturing and paint dipping.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	06/28/1999
Comments:	Further action required

HI-TECH IRON WORKS (Continued) **1001491897**

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LOS ANGELES HM:
Name: SIERRA FURNITURE
Address: 701 E 60TH ST
City,State,Zip: LOS ANGELES, CA 90001
Facility ID: FA0031328
Last Run Date: 04/19/2021
Status: INACTIVE

HWTS:
Name: SIERRA FURNITURE
Address: 701 E 60TH ST
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90001
EPA ID: CAL000438991
Inactive Date: 06/30/2020
Create Date: 09/11/2018
Last Act Date: 01/04/2021
Mailing Name: Not reported
Mailing Address: 701 E 60TH ST
Mailing Address 2: Not reported
Mailing City,State,Zip: LOS ANGELES, CA 90001
Owner Name: JAVIER JIMENEZ
Owner Address: 701 E 60TH ST
Owner Address 2: Not reported
Owner City,State,Zip: LOS ANGELES, CA 90001
Contact Name: JAVIER JIMENEZ
Contact Address: 701 E 60TH ST
Contact Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90001

NAICS:
EPA ID: CAL000438991
Create Date: 2018-09-11 16:19:33.810
NAICS Code: 337215
NAICS Description: Showcase, Partition, Shelving, and Locker Manufacturing
Issued EPA ID Date: 2018-09-11 16:19:33.79300
Inactive Date: 2020-06-30 00:00:00
Facility Name: SIERRA FURNITURE
Facility Address: 701 E 60TH ST
Facility Address 2: Not reported
Facility City: LOS ANGELES
Facility County: Not reported
Facility State: CA
Facility Zip: 90001

96
SW
1/2-1
0.816 mi.
4306 ft.

SLAUSON & WALL PROJECT
5867 S. LOS ANGELES STREET
LOS ANGELES, CA 90003

ENVIROSTOR
VCP

S121475162
N/A

Relative:
Lower

Actual:
159 ft.

ENVIROSTOR:

Name:	SLAUSON & WALL PROJECT
Address:	5867 S. LOS ANGELES STREET
City,State,Zip:	LOS ANGELES, CA 90003-1210
Facility ID:	60002602
Status:	Active
Status Date:	10/25/2017
Site Code:	301810
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	7
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Nancy Cardona
Supervisor:	Jose Diaz
Division Branch:	Cleanup Chatsworth
Assembly:	, 59
Senate:	, 30
Special Program:	CLRRA Liability Immunity (AB 389)
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.98772
Longitude:	-118.2707
APN:	NONE SPECIFIED
Past Use:	ABOVE GROUND STORAGE TANKS, MANUFACTURING - INDUSTRIAL MACHINERY, METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER, UNDERGROUND STORAGE TANKS, TRANSPORTATION - WAREHOUSING
Potential COC:	Arsenic Asbestos Containing Materials (ACM Benzene Lead Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE TPH-gas TPH-MOTOR OIL 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Confirmed COC:	Arsenic Lead Polychlorinated biphenyls (PCBs Tetrachloroethylene (PCE TPH-gas TPH-MOTOR OIL 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Asbestos Containing Materials (ACM
Potential Description:	AQUI, IA, SED, SOIL, SV, SURFW, UE
Alias Name:	301810
Alias Type:	Project Code (Site Code)
Alias Name:	60002602
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/10/2020
Comments:	Letter sent
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	California Land Reuse and Revitalization Agreement
Completed Date:	01/30/2018
Comments:	Executed

SLAUSON & WALL PROJECT (Continued) **S121475162**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Project Management
Completed Date: 06/30/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/31/2020
Comments: HARP completed and signed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Access Agreement
Completed Date: 09/25/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Request for Tribal Outreach
Completed Date: 09/16/2020
Comments: Sixty days without inquiry or response from tribal

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 02/01/2020
Comments: off site requires further work

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 05/08/2020
Comments: assisted to an interim workplan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Implementation Workplan
Completed Date: 06/25/2020
Comments: DTSC Approval letter for Interim Mitigation Plan sent to RP

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 07/10/2020
Comments: Soil Vapor sample results sent to Brotherhood Crusade 5/13/2020

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Work Notice
Completed Date: 08/03/2020
Comments: Work Notices sent out

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report

SLAUSON & WALL PROJECT (Continued) **S121475162**

Completed Date: 08/13/2020
Comments: Final Documents uploaded

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fieldwork
Completed Date: 02/04/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 03/01/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/08/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedy Constructed with O&M
Completed Date: 06/25/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 07/10/2018
Comments: accepted with further work required

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 01/31/2018
Comments: Report transmitted as part of the CLRRA application process

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/14/2018
Comments: additional work will be conducted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 07/24/2018
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/25/2019
Comments: concurrence

SLAUSON & WALL PROJECT (Continued) **S121475162**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/28/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 09/23/2019
Comments: Toxicologist wanted samples from the 15 foot depth but the City only wanted to go just to five feet bgs. It was decided to go to 10 feet. They get approval for 10 foot samples.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 09/22/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 03/30/2020
Comments: concluded in a mailout

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: AB 389 Response Plan
Schedule Due Date: 11/28/2021
Schedule Revised Date: Not reported

VCP:
Name: SLAUSON & WALL PROJECT
Address: 5867 S. LOS ANGELES STREET
City,State,Zip: LOS ANGELES, CA 90003-1210
Facility ID: 60002602
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 7
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Nancy Cardona
Supervisor: Jose Diaz
Division Branch: Cleanup Chatsworth
Site Code: 301810
Assembly: , 59
Senate: , 30
Special Programs Code: CLRRA Liability Immunity (AB 389)
Status: Active

SLAUSON & WALL PROJECT (Continued) **S121475162**

Status Date:	10/25/2017
Restricted Use:	NO
Funding:	Responsible Party
Lat/Long:	33.98772 / -118.2707
APN:	NONE SPECIFIED
Past Use:	ABOVE GROUND STORAGE TANKS, MANUFACTURING - INDUSTRIAL MACHINERY, METAL FINISHING, METAL PLATING - CHROME, METAL PLATING - OTHER, UNDERGROUND STORAGE TANKS, TRANSPORTATION - WAREHOUSING
Potential COC:	30001, 40001, 30003, 30013, 30018, 30019, 30022, 30025, 3002502, 30026, 30027
Confirmed COC:	30001,30013,30018,30022,30025,3002502,30026,30027,40001
Potential Description:	AQUI, IA, SED, SOIL, SV, SURFW, UE
Alias Name:	301810
Alias Type:	Project Code (Site Code)
Alias Name:	60002602
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Annual Oversight Cost Estimate
Completed Date:	09/10/2020
Comments:	Letter sent
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	California Land Reuse and Revitalization Agreement
Completed Date:	01/30/2018
Comments:	Executed
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Project Management
Completed Date:	06/30/2021
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Pre-HARP Form
Completed Date:	08/31/2020
Comments:	HARP completed and signed
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Access Agreement
Completed Date:	09/25/2019
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Request for Tribal Outreach
Completed Date:	09/16/2020
Comments:	Sixty days without inquiry or response from tribal
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Tech Memo
Completed Date:	02/01/2020

SLAUSON & WALL PROJECT (Continued) **S121475162**

Comments:	off site requires further work
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Technical Workplan
Completed Date:	05/08/2020
Comments:	assisted to an interim workplan
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Implementation Workplan
Completed Date:	06/25/2020
Comments:	DTSC Approval letter for Interim Mitigation Plan sent to RP
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Tech Memo
Completed Date:	07/10/2020
Comments:	Soil Vapor sample results sent to Brotherhood Crusade 5/13/2020
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Work Notice
Completed Date:	08/03/2020
Comments:	Work Notices sent out
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Monitoring Report
Completed Date:	08/13/2020
Comments:	Final Documents uploaded
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fieldwork
Completed Date:	02/04/2021
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Supplemental Site Investigation Report
Completed Date:	03/01/2021
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Characterization Report
Completed Date:	12/08/2020
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedy Constructed with O&M
Completed Date:	06/25/2021
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

SLAUSON & WALL PROJECT (Continued) **S121475162**

Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 07/10/2018
Comments: accepted with further work required

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 01/31/2018
Comments: Report transmitted as part of the CLRRA application process

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 12/14/2018
Comments: additional work will be conducted

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 07/24/2018
Comments: approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 06/25/2019
Comments: concurrence

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Report
Completed Date: 06/28/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 09/23/2019
Comments: Toxicologist wanted samples from the 15 foot depth but the City only wanted to go just to five feet bgs. It was decided to go to 10 feet. They get approval for 10 foot samples.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 09/22/2020
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Community Profile
Completed Date: 03/30/2020
Comments: concluded in a mailout

Future Area Name: Not reported
Future Sub Area Name: Not reported

SLAUSON & WALL PROJECT (Continued) **S121475162**

Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: AB 389 Response Plan
Schedule Due Date: 11/28/2021
Schedule Revised Date: Not reported

T97 **ATOMIC RAGS #3** **ENVIROSTOR** **S105628351**
South **851 EAST 60TH ST.** **N/A**
1/2-1 **LOS ANGELES, CA 90001**
0.816 mi.
4310 ft. **Site 1 of 4 in cluster T**

Relative: **Lower**
Actual: **167 ft.**

ENVIROSTOR:
Name: ATOMIC RAGS #3
Address: 851 EAST 60TH ST.
City,State,Zip: LOS ANGELES, CA 90001
Facility ID: 19281219
Status: Inactive - Needs Evaluation
Status Date: 06/27/2001
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: < one acre
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Jennifer Jones
Division Branch: Cleanup Chatsworth
Assembly: 59
Senate: 30
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.98603
Longitude: -118.2597
APN: 6007004012
Past Use: DRY CLEANING, LAUNDRY SERVICES
Potential COC: * HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS Arsenic Lead
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL
Alias Name: 6007004012
Alias Type: APN
Alias Name: CASFN0905540
Alias Type: CERCLIS ID
Alias Name: 19281219
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/27/2001
Comments: A Preliminary Assessment Report was submitted to U.S.EPA, Region IX for review and approval. Sampling is recommended by U.S.EPA.

ATOMIC RAGS #3 (Continued) **S105628351**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	07/12/1999
Comments:	Site Screening Completed
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

T98 **ATOMIC RAGS COMPANY #1** **SEMS-ARCHIVE** **1001491881**
South **859 E. 60TH STREET** **ENVIROSTOR** **CASFN0905538**
1/2-1 **LOS ANGELES, CA 90001**
0.818 mi.
4319 ft. **Site 2 of 4 in cluster T**

Relative: **Lower**
Actual: **167 ft.**

SEMS Archive:

Site ID:	0905538
EPA ID:	CASFN0905538
Name:	ATOMIC RAGS COMPANY #1
Address:	859 E. 60TH STREET
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90001
Cong District:	Not reported
FIPS Code:	06037
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:

Region:	09
Site ID:	0905538
EPA ID:	CASFN0905538
Site Name:	ATOMIC RAGS COMPANY #1
NPL:	N
FF:	N
OU:	00
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	2013-11-08 05:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse
Region:	09
Site ID:	0905538
EPA ID:	CASFN0905538
Site Name:	ATOMIC RAGS COMPANY #1
NPL:	N
FF:	N
OU:	00

ATOMIC RAGS COMPANY #1 (Continued) **1001491881**

Action Code: OO
Action Name: SITE REASS
SEQ: 1
Start Date: Not reported
Finish Date: 2010-06-11 05:00:00
Qual: N
Current Action Lead: EPA Perf

Region: 09
Site ID: 0905538
EPA ID: CASFN0905538
Site Name: ATOMIC RAGS COMPANY #1
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1999-12-07 05:00:00
Finish Date: 1999-12-07 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0905538
EPA ID: CASFN0905538
Site Name: ATOMIC RAGS COMPANY #1
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 2000-08-15 04:00:00
Finish Date: 2001-06-29 04:00:00
Qual: H
Current Action Lead: St Perf

ENVIROSTOR:
Name: ATOMIC RAGS #1
Address: 859 EAST 60TH STREET
City,State,Zip: LOS ANGELES, CA 90001
Facility ID: 19281221
Status: Inactive - Needs Evaluation
Status Date: 06/27/2001
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: <one acre
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Jennifer Jones
Division Branch: Cleanup Chatsworth
Assembly: 59

ATOMIC RAGS COMPANY #1 (Continued) **1001491881**

Senate:	30
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98604
Longitude:	-118.2594
APN:	6007004015
Past Use:	DRY CLEANING, LAUNDRY SERVICES
Potential COC:	* HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS Arsenic
Confirmed COC:	NONE SPECIFIED
Potential Description:	OTH, SOIL
Alias Name:	6007004015
Alias Type:	APN
Alias Name:	CASFN0905538
Alias Type:	CERCLIS ID
Alias Name:	19281221
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/27/2001
Comments:	A preliminary assessment report was submitted to U.S.EPA, Region IX for review approval. Sampling is recommended by U.S.EPA.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	06/22/1999
Comments:	Site Screening Completed
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

T99 **ATOMIC RAGS #2** **ENVIROSTOR** **S103675870**
SSE **909 EAST 60TH STREET** **N/A**
1/2-1 **LOS ANGELES, CA 90001**
0.820 mi.
4330 ft. **Site 3 of 4 in cluster T**

Relative: **Lower**
Actual: **167 ft.**

ENVIROSTOR:

Name:	ATOMIC RAGS #2
Address:	909 EAST 60TH STREET
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	19281220
Status:	Inactive - Needs Evaluation
Status Date:	06/27/2001
Site Code:	Not reported
Site Type:	Evaluation

ATOMIC RAGS #2 (Continued) **S103675870**

Site Type Detailed: Evaluation
Acres: <one acre
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Jennifer Jones
Division Branch: Cleanup Chatsworth
Assembly: 59
Senate: 30
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.98604
Longitude: -118.2591
APN: 6007004016
Past Use: DRY CLEANING, LAUNDRY SERVICES
Potential COC: * HALOGENATED SOLVENTS * HYDROCARBON SOLVENTS * WASTE OIL & MIXED OIL
Not reported
Confirmed COC: NONE SPECIFIED
Potential Description: OTH, SOIL
Alias Name: 6007004016
Alias Type: APN
Alias Name: CASFN0905539
Alias Type: CERCLIS ID
Alias Name: 19281220
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 06/27/2001
Comments: A preliminary assessment report was submitted to U.S.EPA, Region IX fir review and approval. Sampling is recommended by U.S.EPA.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 07/12/1999
Comments: Site Screening Completed

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

100 SSW 1/2-1 0.821 mi. 4334 ft. | **KERR GLASS MANUFACTURING CORPORATION**
4855 EAST 57TH PLACE
LOS ANGELES, CA 90040 | **ENVIROSTOR** | **S100197063** | **N/A**

Relative: Lower

Actual: 162 ft.

ENVIROSTOR:

Name:	KERR GLASS MANUFACTURING CORPORATION
Address:	4855 EAST 57TH PLACE
City,State,Zip:	LOS ANGELES, CA 90040
Facility ID:	19320190
Status:	No Further Action
Status Date:	11/08/1994
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	0
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	30
Special Program:	* RCRA 3012 - Past Haz Waste Disp Inven Site
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.986
Longitude:	-118.2664
APN:	NONE SPECIFIED
Past Use:	MANUFACTURING - OTHER
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	31000-NO
Potential Description:	NMA
Alias Name:	FOSTER FORBES GLASS
Alias Type:	Alternate Name
Alias Name:	LATCHFORD GLASS(1978)
Alias Type:	Alternate Name
Alias Name:	CAT000624288
Alias Type:	EPA Identification Number
Alias Name:	110000861194
Alias Type:	EPA (FRS #)
Alias Name:	19320190
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	09/26/1983
Comments:	FACILITY IDENTIFIED ID FROM ERRIS
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	11/08/1994
Comments:	DATABASE VALIDATION PROGRAM CONFIRMS NFA FOR DTSC.

KERR GLASS MANUFACTURING CORPORATION (Continued) **S100197063**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	02/23/1984
Comments:	SOURCE ACT: GLASS CONTAINER MFG.FURNACE DEMOLITION FAC TYPE: T/C W/ K.RUCH 5/23/84 - BURITL OF 140 CU. FT. OF RUBBLE. WASTE: 1 TIME WASTE TRANSFORMER CARCASSE & DEBRIS(8/17/83). SUBMIT TO EPA PRELIM ASSESS DONE RCRA 3012
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

T101 **RELIABLE REMANUFACTURERS INC** **ENVIROSTOR** **S106838160**
South **918 E 60TH ST** **EMI** **N/A**
1/2-1 **LOS ANGELES, CA 90001** **HAZMAT**
0.841 mi.
4442 ft. **Site 4 of 4 in cluster T**

Relative: **Lower**
Actual: **167 ft.**

ENVIROSTOR:

Name:	SUN SUPPLY CO.
Address:	918 E. 60TH ST.
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	60001681
Status:	Refer: EPA
Status Date:	02/10/1999
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	46
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98593
Longitude:	-118.2573
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	Lead Tetrachloroethylene (PCE Trichloroethylene (TCE Chromium III Chromium VI Cyanide (free
Confirmed COC:	Lead Tetrachloroethylene (PCE Chromium III Chromium VI Cyanide (free Trichloroethylene (TCE
Potential Description:	NONE SPECIFIED
Alias Name:	60001681

RELIABLE REMANUFACTURERS INC (Continued) **S106838160**

Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/10/1999
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

EMI:
Name: RELIABLE REMANUFACTURERS INC
Address: 918 E 60TH ST
City,State,Zip: LOS ANGELES, CA 90001
Year: 1987
County Code: 19
Air Basin: SC
Facility ID: 52854
Air District Name: SC
SIC Code: 3714
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 2
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr: 0

LOS ANGELES HM:
Name: RELIABLE REMANUFACTURERS PRODUCTION
Address: 918 E 60TH ST
City,State,Zip: LOS ANGELES, CA 90001
Facility ID: FA0002996
Last Run Date: 04/19/2021
Status: INACTIVE

102 SE 1/2-1 0.851 mi. 4495 ft.

MUNOZ CARRILLO AUTO REPAIR
5870 HOOPER AVE
LOS ANGELES, CA 90001

ENVIROSTOR
EMI
HAZNET
HWTS

S106838872
N/A

Relative: Lower

Actual: 170 ft.

ENVIROSTOR:

Name:	CHINCHILAS TIRE SERVICES
Address:	5870 HOOPER AVENUE
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	60002829
Status:	Inactive - Needs Evaluation
Status Date:	07/02/2019
Site Code:	301858
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0.12
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Leona Winner
Supervisor:	Lora Jameson
Division Branch:	Northern California Schools & Santa Susana
Assembly:	, 59
Senate:	, 33
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98806
Longitude:	-118.2522
APN:	6008-020-018
Past Use:	DRY CLEANING
Potential COC:	Tetrachloroethylene (PCE Trichloroethylene (TCE
Confirmed COC:	Tetrachloroethylene (PCE Trichloroethylene (TCE
Potential Description:	SOIL, WELL
Alias Name:	6008-020-018
Alias Type:	APN
Alias Name:	CAN000905740
Alias Type:	CERCLIS ID
Alias Name:	301858
Alias Type:	Project Code (Site Code)
Alias Name:	60002829
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment/Site Inspection Report (PA/SI)
Completed Date:	10/01/2014
Comments:	Envirostor account created to upload backlogged PA/SI Reassessment report
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported

MUNOZ CARRILLO AUTO REPAIR (Continued) **S106838872**

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

EMI:

Name:	SANIT CLEANERS INC
Address:	5870 HOOPER AV
City,State,Zip:	LOS ANGELES, CA 90001
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	24524
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	SANIT CLEANERS INC
Address:	5870 HOOPER AV
City,State,Zip:	LOS ANGELES, CA 90001
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	24524
Air District Name:	SC
SIC Code:	7216
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HAZNET:

Name:	MUNOZ CARRILLO AUTO REPAIR
Address:	5870 HOOPER AVE
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900011249
Contact:	ROSA MEJIA
Telephone:	2132558042
Mailing Name:	Not reported
Mailing Address:	5870 HOOPER AVE
Year:	2016
Gepaid:	CAL000389089

MUNOZ CARRILLO AUTO REPAIR (Continued) **S106838872**

TSD EPA ID: CAD008252405
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.2

Year: 2015
Gepaid: CAL000389089
TSD EPA ID: CAD008252405
CA Waste Code: 352 - Other organic solids
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons: 0.25

Additional Info:
Year: 2015
Gen EPA ID: CAL000389089

Shipment Date: 20150811
Creation Date: 2/5/2016 22:15:10
Receipt Date: 20150821
Manifest ID: 014374171JJK
Trans EPA ID: CAR000009910
Trans Name: CALIFORNIA ENVIRONMENTAL & LITHO
Trans 2 EPA ID: CAR000187922
Trans 2 Name: RUST AND SONS
TSDF EPA ID: CAD008252405
Trans Name: PACIFIC RESOURCE RECOVERY SERVICES
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150522
Creation Date: 11/25/2015 22:15:37
Receipt Date: 20150529
Manifest ID: 011626935JJK
Trans EPA ID: CAR000009910
Trans Name: CALIFORNIA ENVIRONMENTAL & LITHO
Trans 2 EPA ID: CAR000187922
Trans 2 Name: RUST AND SONS
TSDF EPA ID: CAD008252405
Trans Name: PACIFIC RESOURCE RECOVERY SERVICES
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids

MUNOZ CARRILLO AUTO REPAIR (Continued) **S106838872**

RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.15
Waste Quantity: 300
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Additional Info:
Year: 2016
Gen EPA ID: CAL000389089

Shipment Date: 20150811
Creation Date: 2/5/2016 22:15:10
Receipt Date: 20150821
Manifest ID: 014374171JJK
Trans EPA ID: CAR000009910
Trans Name: CALIFORNIA ENVIRONMENTAL & LITHO
Trans 2 EPA ID: CAR000187922
Trans 2 Name: RUST AND SONS
TSDF EPA ID: CAD008252405
Trans Name: PACIFIC RESOURCE RECOVERY SERVICES
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.1
Waste Quantity: 200
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20150522
Creation Date: 11/25/2015 22:15:37
Receipt Date: 20150529
Manifest ID: 011626935JJK
Trans EPA ID: CAR000009910
Trans Name: CALIFORNIA ENVIRONMENTAL & LITHO
Trans 2 EPA ID: CAR000187922
Trans 2 Name: RUST AND SONS
TSDF EPA ID: CAD008252405
Trans Name: PACIFIC RESOURCE RECOVERY SERVICES
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: D001
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)

MUNOZ CARRILLO AUTO REPAIR (Continued) **S106838872**

Quantity Tons:	0.15
Waste Quantity:	300
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	MUNOZ CARRILLO AUTO REPAIR
Address:	5870 HOOPER AVE
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900011249
EPA ID:	CAL000389089
Inactive Date:	06/30/2015
Create Date:	08/29/2013
Last Act Date:	01/27/2016
Mailing Name:	Not reported
Mailing Address:	5870 HOOPER AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	LOS ANGELES, CA 900011249
Owner Name:	ROSA MEJIA
Owner Address:	5870 HOOPER AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	LOS ANGELES, CA 900011249
Contact Name:	ROSA MEJIA
Contact Address:	1140 W 50TH ST
Contact Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900370000

NAICS:

EPA ID:	CAL000389089
Create Date:	2013-08-29 13:36:50.407
NAICS Code:	811121
NAICS Description:	Automotive Body, Paint, and Interior Repair and Maintenance
Issued EPA ID Date:	2013-08-29 13:36:50.40300
Inactive Date:	2015-06-30 00:00:00
Facility Name:	MUNOZ CARRILLO AUTO REPAIR
Facility Address:	5870 HOOPER AVE
Facility Address 2:	Not reported
Facility City:	LOS ANGELES
Facility County:	Not reported
Facility State:	CA
Facility Zip:	900011249

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103 **ARTWOOD DESK DESIGN** **ENVIROSTOR** **S106829367**
South **6000 S AVALON BLVD** **EMI** **N/A**
1/2-1 **LOS ANGELES, CA 90003** **HAZMAT**
0.856 mi.
4518 ft.

Relative: **Lower**

Actual: **163 ft.**

ENVIROSTOR:

Name:	CENTURY METAL CRAFT CORP
Address:	6000 S. AVALON BLVD.
City,State,Zip:	LOS ANGELES, CA 90003
Facility ID:	60002432

ARTWOOD DESK DESIGN (Continued) **S106829367**

Status: Refer: EPA
Status Date: 06/15/2017
Site Code: 301778
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 1
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Narine Aghakiant
Supervisor: Allan Plaza
Division Branch: Cleanup Chatsworth
Assembly: , 59
Senate: , 30
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.98526
Longitude: -118.2644
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAN000903805
Alias Type: EPA Identification Number
Alias Name: 301778
Alias Type: Project Code (Site Code)
Alias Name: 60002432
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 06/15/2017
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

EMI:
Name: COXWELLS INC
Address: 6000 SO AVALON BLVD
City,State,Zip: LOS ANGELES, CA 90003
Year: 1990
County Code: 19
Air Basin: SC
Facility ID: 13558

ARTWOOD DESK DESIGN (Continued) **S106829367**

Air District Name:	SC
SIC Code:	3479
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	1
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

LOS ANGELES HM:

Name:	ARTWOOD DESK DESIGN
Address:	6000 S AVALON BLVD
City,State,Zip:	LOS ANGELES, CA 90003
Facility ID:	FA0033614
Last Run Date:	04/19/2021
Status:	INACTIVE

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104 **ALLOY METALS CO. INC.** **ENVIROSTOR** **U001560220**
SSE **1000 E 60TH ST** **VCP** **N/A**
1/2-1 **LOS ANGELES, CA 90001** **HIST UST**
0.859 mi.
4538 ft.

Relative: **Lower**

Actual: **168 ft.**

ENVIROSTOR:

Name:	ALLOY METALS INC.
Address:	1000 E. 60TH ST.
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	19330384
Status:	Inactive - Action Required
Status Date:	09/01/2020
Site Code:	Not reported
Site Type:	Voluntary Cleanup
Site Type Detailed:	Voluntary Cleanup
Acres:	0.5
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Fatima Carrera
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98524
Longitude:	-118.2575
APN:	6007007009
Past Use:	MANUFACTURING - METAL
Potential COC:	* Metals - Other Inorganic Solid Waste
Confirmed COC:	10034-NO
Potential Description:	SOIL

ALLOY METALS CO. INC. (Continued) **U001560220**

Alias Name: ALLOY METALS COMPANY
Alias Type: Alternate Name
Alias Name: ALLOY METALS COMPANY, INC.
Alias Type: Alternate Name
Alias Name: 6007007009
Alias Type: APN
Alias Name: CASFN0905512
Alias Type: CERCLIS ID
Alias Name: 19330384
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 05/15/2002
Comments: The PA was conducted and showed that further investigation required. The site has a long history of use as aluminium recycling. Soil sampling for metals needs to be conducted.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/11/1999
Comments: Site Screening Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment/Site Inspection Report (PA/SI)
Completed Date: 05/23/2015
Comments: Further action required

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 09/04/2020
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:
Name: ALLOY METALS INC.
Address: 1000 E. 60TH ST.
City,State,Zip: LOS ANGELES, CA 90001
Facility ID: 19330384
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Cleanup
Site Mgmt. Req.: NONE SPECIFIED
Acres: 0.5

ALLOY METALS CO. INC. (Continued) **U001560220**

National Priorities List:	NO
Cleanup Oversight Agencies:	US EPA
Lead Agency:	US EPA
Lead Agency Description:	US EPA
Project Manager:	Fatima Carrera
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Site Code:	Not reported
Assembly:	59
Senate:	30
Special Programs Code:	Not reported
Status:	Inactive - Action Required
Status Date:	09/01/2020
Restricted Use:	NO
Funding:	EPA Grant
Lat/Long:	33.98524 / -118.2575
APN:	6007007009
Past Use:	MANUFACTURING - METAL
Potential COC:	10034
Confirmed COC:	10034-NO
Potential Description:	SOIL
Alias Name:	ALLOY METALS COMPANY
Alias Type:	Alternate Name
Alias Name:	ALLOY METALS COMPANY, INC.
Alias Type:	Alternate Name
Alias Name:	6007007009
Alias Type:	APN
Alias Name:	CASFN0905512
Alias Type:	CERCLIS ID
Alias Name:	19330384
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	05/15/2002
Comments:	The PA was conducted and showed that further investigation required. The site has a long history of use as aluminium recycling. Soil sampling for metals needs to be conducted.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	06/11/1999
Comments:	Site Screening Completed
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment/Site Inspection Report (PA/SI)
Completed Date:	05/23/2015
Comments:	Further action required
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	09/04/2020
Comments:	Not reported

ALLOY METALS CO. INC. (Continued) **U001560220**

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

HIST UST:

Name:	ALLOY METALS CO. INC.
Address:	1000 E 60TH ST
City,State,Zip:	LOS ANGELES, CA 90001
File Number:	Not reported
URL:	Not reported
Region:	STATE
Facility ID:	00000029543
Facility Type:	Other
Other Type:	ALUM SMELTER
Contact Name:	Not reported
Telephone:	2132349235
Owner Name:	ALLOY METALS CO. INC.
Owner Address:	1000 E. 60TH STREET
Owner City,St,Zip:	LOS ANGELES, CA 90001
Total Tanks:	0001
Tank Num:	001
Container Num:	1
Year Installed:	1975
Tank Capacity:	00010000
Tank Used for:	Not reported
Type of Fuel:	Not reported
Container Construction Thickness:	Not reported
Leak Detection:	Visual, Stock Inventor

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105 NNW 1/2-1 0.875 mi. 4618 ft. **JEFFERSON NEW ELEM SCH NO. 1 ADDITION** **ENVIROSTOR SCH** **S118756590 N/A**
416-460 MARTIN LUTHER KING JR. BOULEVARD
LOS ANGELES, CA 90011

Relative: Higher

Actual: 194 ft.

ENVIROSTOR:

Name:	JEFFERSON NEW ELEM SCH NO. 1 ADDITION
Address:	416-460 MARTIN LUTHER KING JR. BOULEVARD
City,State,Zip:	LOS ANGELES, CA 90011-5619
Facility ID:	19820100
Status:	No Action Required
Status Date:	07/03/2003
Site Code:	304369
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	1
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported

JEFFERSON NEW ELEM SCH NO. 1 ADDITION (Continued) **S118756590**

Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 59
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.01086
Longitude: -118.2673
APN: 5113002901
Past Use: * EDUCATIONAL SERVICES
Potential COC: NONE SPECIFIED No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: JEFFERSON NEW ELEM SCHOOL NO. 1 ADDITION
Alias Type: Alternate Name
Alias Name: LAUSD-PROPOSED JEFFERSON ELEM # 1 ADD
Alias Type: Alternate Name
Alias Name: 5113002901
Alias Type: APN
Alias Name: 304369
Alias Type: Project Code (Site Code)
Alias Name: 19820100
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/08/2002
Comments: Phase 1

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 06/26/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/03/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported

JEFFERSON NEW ELEM SCH NO. 1 ADDITION (Continued) **S118756590**

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: JEFFERSON NEW ELEM SCH NO. 1 ADDITION
Address: 416-460 MARTIN LUTHER KING JR. BOULEVARD
City,State,Zip: LOS ANGELES, CA 90011-5619
Facility ID: 19820100
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 1
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Site Code: 304369
Assembly: 59
Senate: 30
Special Program Status: Not reported
Status: No Action Required
Status Date: 07/03/2003
Restricted Use: NO
Funding: School District
Latitude: 34.01086
Longitude: -118.2673
APN: 5113002901
Past Use: * EDUCATIONAL SERVICES
Potential COC: NONE SPECIFIED, No Contaminants found
Confirmed COC: NONE SPECIFIED
Potential Description: NMA
Alias Name: JEFFERSON NEW ELEM SCHOOL NO. 1 ADDITION
Alias Type: Alternate Name
Alias Name: LAUSD-PROPOSED JEFFERSON ELEM # 1 ADD
Alias Type: Alternate Name
Alias Name: 5113002901
Alias Type: APN
Alias Name: 304369
Alias Type: Project Code (Site Code)
Alias Name: 19820100
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/08/2002
Comments: Phase 1

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 06/26/2003

JEFFERSON NEW ELEM SCH NO. 1 ADDITION (Continued) **S118756590**

Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	07/03/2003
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	02/10/2000
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

U106 **AMERICAN LABS INC** **SEMS** **1000360700**
ESE **5701 S COMPTON AVE** **CORRACTS** **CAD981459175**
1/2-1 **LOS ANGELES, CA 90011** **RCRA-TSDF**
0.881 mi. **ENVIROSTOR**
4650 ft. **Site 1 of 2 in cluster U** **RCRA NonGen / NLR**
EMI
Relative: **HWP**
Lower **CERS**

Actual:
177 ft.

SEMS:

Site ID:	0905760
EPA ID:	CAD981459175
Name:	FOUR STAR CHEMICAL (FORMERLY AMERICAN LABS INC.)
Address:	5701 COMPTON AVENUE
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90011
Cong District:	Not reported
FIPS Code:	06037
Latitude:	Not reported
Longitude:	Not reported
FF:	N
NPL:	Not on the NPL
Non NPL Status:	SI Ongoing

SEMS Detail:

Region:	09
Site ID:	0905760
EPA ID:	CAD981459175
Site Name:	FOUR STAR CHEMICAL (FORMERLY AMERICAN LABS INC.)
NPL:	N
FF:	N
OU:	00
Action Code:	HX
Action Name:	PRE-CERC

AMERICAN LABS INC (Continued) **1000360700**

SEQ: 1
Start Date: Not reported
Finish Date: 12/8/2000 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09
Site ID: 0905760
EPA ID: CAD981459175
Site Name: FOUR STAR CHEMICAL (FORMERLY AMERICAN LABS INC.)
NPL: N
FF: N
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 2001-09-26 04:00:00
Finish Date: 7/18/2002 4:00:00 AM
Qual: D
Current Action Lead: EPA Perf

Region: 09
Site ID: 0905760
EPA ID: CAD981459175
Site Name: FOUR STAR CHEMICAL (FORMERLY AMERICAN LABS INC.)
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 2000-12-08 05:00:00
Finish Date: 12/8/2000 5:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

CORRACTS:
Name: AMERICAN LABS INC
Address: 5701 S COMPTON AVE
Address 2: Not reported
EPA ID: CAD981459175
Area Name: ENTIRE FACILITY
Corrective Action: INVESTIGATION WORKPLAN APPROVED
Actual Date: 20000614
Air Release Indicator: Not reported
Groundwater Release Indicator: Not reported
Soil Release Indicator: Not reported
Surface Water Release Indicator: Not reported

RCRA NonGen / NLR:
Date Form Received by Agency: 19950627
Handler Name: AMERICAN LABS INC
Handler Address: 5701 S COMPTON AVE
Handler City,State,Zip: LOS ANGELES, CA 90011
EPA ID: CAD981459175

AMERICAN LABS INC (Continued) **1000360700**

Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Permitting Activities, Corrective Action Activities
State District Owner:	CA
State District:	3
Mailing Address:	5701 S COMPTON AVE
Mailing City,State,Zip:	LOS ANGELES, CA 90011
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	AMERICAN LABS INC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	Yes
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Storage
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	Yes
Treatment Storage and Disposal Type:	Storage
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Storage
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Storage
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	Yes

AMERICAN LABS INC (Continued) **1000360700**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Storage
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Closure, Sudden Third-Party Liability
Handler Date of Last Change:	20021107
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JERRY ULRICH
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	AMERICAN LABS INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5701 S COMPTON
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90011
Owner/Operator Telephone:	213-588-7161
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19950627
Handler Name: AMERICAN LABS INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

AMERICAN LABS INC (Continued) **1000360700**

Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported
Receive Date:	19860403
Handler Name: AMERICAN LABS INC	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	32411
NAICS Description:	PETROLEUM REFINERIES
NAICS Code:	325613
NAICS Description:	SURFACE ACTIVE AGENT MANUFACTURING

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19961202
Actual Return to Compliance Date:	19970325
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19961202
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported

AMERICAN LABS INC (Continued) **1000360700**

SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: TSD - Financial Requirements
Date Violation was Determined: 19900820
Actual Return to Compliance Date: 19910101
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 001
Date of Enforcement Action: 19900828
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19900829
Actual Return to Compliance Date: 19910101
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19901001

AMERICAN LABS INC (Continued) **1000360700**

Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19961202
Actual Return to Compliance Date:	19970325
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	003
Date of Enforcement Action:	19961202
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported

AMERICAN LABS INC (Continued) **1000360700**

SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19961202
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19970325
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19900820
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910101
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19900829
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19910101
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19961202
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19970325
Scheduled Compliance Date:	Not reported

AMERICAN LABS INC (Continued) **1000360700**

Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

ENVIROSTOR:

Name:	AMERICAN LABS INC
Address:	5701 S COMPTON
City,State,Zip:	LOS ANGELES, CA 900110000
Facility ID:	80001478
Status:	Active
Status Date:	09/09/2014
Site Code:	300517
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0.7
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	WM
Program Manager:	Nancy Cardona
Supervisor:	Jose Diaz
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	33
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.99086
Longitude:	-118.2480
APN:	5104028027
Past Use:	ABOVE GROUND STORAGE TANKS

AMERICAN LABS INC (Continued) **1000360700**

Potential COC: Benzene Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Confirmed COC: Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE
Potential Description: IA, OTH, SOIL, SV
Alias Name: Four Star Chemical
Alias Type: Alternate Name
Alias Name: 5104028027
Alias Type: APN
Alias Name: CAD981459175
Alias Type: EPA Identification Number
Alias Name: 300517
Alias Type: Project Code (Site Code)
Alias Name: 80001478
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Project Management
Completed Date: 06/30/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 08/19/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/16/2020
Comments: Cost estimate letter sent to RP

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/13/1985
Comments: Document issued on 11/13/1985

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/01/1987
Comments: Document issued on 1/1/1987

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/10/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/28/1987
Comments: Not reported

AMERICAN LABS INC (Continued) **1000360700**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/30/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/24/1987
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 02/01/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/02/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/16/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/22/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/22/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 11/28/1988
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 08/28/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan

AMERICAN LABS INC (Continued) **1000360700**

Completed Date: 03/24/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/20/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/17/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: RFI Workplan
Completed Date: 06/14/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/29/2000
Comments: Document issued on 09/29/2000

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/11/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/17/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 07/25/2001
Comments: Sample analysis requested on 7/25/2001

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/09/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/14/2001
Comments: Not reported

AMERICAN LABS INC (Continued) **1000360700**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/17/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/16/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 08/23/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/05/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/25/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 09/18/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/05/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/14/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 11/01/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan

AMERICAN LABS INC (Continued) **1000360700**

Completed Date: 04/01/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Health & Safety Plan
Completed Date: 07/22/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/10/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 03/01/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 05/04/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 06/22/2000
Comments: American Labs was identified in the Site Screening Report as Four Star Chemicals (Section 1.1 Site Information/Site Name)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/07/2014
Comments: Sent

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/04/1987
Comments: Letter issued on 2/4/1987

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 03/24/2006
Comments: Memorandum issued on 3/24/2006

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 03/20/2006
Comments: Memorandum issued on 3/20/2006

AMERICAN LABS INC (Continued) **1000360700**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Environmental Impact Report
Completed Date: 12/18/1995
Comments: Letter issued on 12/18/1995

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Notice
Completed Date: 03/07/2006
Comments: Notification Letter issued on 3/7/2006

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 03/05/2002
Comments: Document issued on 3/5/2002

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 01/12/1996
Comments: Notice of Determination issued on 1/12/1996

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 02/10/2005
Comments: Letter issued on 2/10/2005

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 01/21/2005
Comments: Letter issued on 1/21/2005

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/15/2003
Comments: Letter issued on 1/15/2003

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/27/1994
Comments: Letter Review issued on 12/27/1994

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 11/29/1995
Comments: Letter issued on 11/29/1995

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence

AMERICAN LABS INC (Continued) **1000360700**

Completed Date: 05/19/2003
Comments: Letter issued on 5/19/2003

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/30/2005
Comments: Memorandum issued on 6/30/2005

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 12/06/2005
Comments: Document issued on December 6, 2005

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 04/12/2002
Comments: Letter issued on 4/12/2002

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/16/2000
Comments: Letter was issued on October 16, 2000

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 06/30/2005
Comments: Letter issued on 6/30/2005

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 06/30/2004
Comments: Memorandum issued on 6/30/2004

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 12/21/2005
Comments: Document issued on December 21, 2005

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/09/2007
Comments: Letter issued on 7/9/2007

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 11/01/2005
Comments: Letter issued on November 1, 2005

AMERICAN LABS INC (Continued) **1000360700**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 09/18/1995
Comments: HARP presite visit form issued on 9/18/1995

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 12/17/2001
Comments: Letter issued on 12/17/2001

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 10/30/2001
Comments: Enforcement Order issued on October 30, 2001

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 06/16/1998
Comments: HARP issued on 6/16/1998

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Pre-HARP Form
Completed Date: 08/29/1990
Comments: HARP was prepared on 8/29/1990

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 08/29/1990
Comments: Document issued on 8/29/1990

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Notice
Completed Date: 10/01/1990
Comments: Report of Violation issued on 10/1/1990

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Notice
Completed Date: 12/27/1991
Comments: Letter issued on 12/27/1991

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/28/1993
Comments: Letter issued on 4/28/1993

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration

AMERICAN LABS INC (Continued) **1000360700**

Completed Date: 12/05/1995
Comments: Notice for Negative Declaration issued on 12/5/1995

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 10/12/2000
Comments: Document issued on 10/12/2000

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 02/12/2002
Comments: Letter issued on 2/12/2002

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 03/13/2002
Comments: Letter issued on 3/13/2002

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Agreement
Completed Date: 03/02/2005
Comments: Consent Agreement was fully executed on March 2, 2005

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 11/15/1993
Comments: Letter issued on 11/15/1993

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 01/02/1996
Comments: Letter issued on 1/2/1996

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 01/12/1996
Comments: Notice Declaration completed on 1/12/1996

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 03/17/1981
Comments: Letter issued on March 17, 1981

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 07/15/2000
Comments: Document was issued on 7/15/2000

AMERICAN LABS INC (Continued) **1000360700**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Notice
Completed Date: 07/11/1988
Comments: Letter issued on 7/11/1988

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/12/1988
Comments: Letter issued on 7/12/1988

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/11/1988
Comments: Letter issued on 8/11/1988

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 06/29/1988
Comments: Meeting held on 6/29/1988

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 10/16/2001
Comments: Document issued on October 16, 2001

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/10/1996
Comments: Letter issued by RP's contractor on 4/10/1996

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Judgement
Completed Date: 01/31/2006
Comments: Document issued on January 31, 2006

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/13/1997
Comments: Letter issued on 1/12/1997

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 01/19/2005
Comments: Letter issued on 1/19/2005

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support

AMERICAN LABS INC (Continued) **1000360700**

Completed Date: 09/22/2004
Comments: Document prepared on 9/22/2004

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Judgement
Completed Date: 02/17/2006
Comments: Document issued on February 17, 2006

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Judicial Order
Completed Date: 03/24/2006
Comments: Order issued on February 17, 2006

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 04/10/2003
Comments: Status Report issued on 4/10/2003

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 10/02/1987
Comments: Letter issued on 10/2/1987

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Litigation Support
Completed Date: 06/30/2006
Comments: Letter issued on 6/30/2006

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 12/15/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 10/07/2014
Comments: Done

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Workplan
Completed Date: 10/01/2001
Comments: Figure indicating proposed soil vapor well locations

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/05/2001
Comments: Results were submitted to DTSC on October 5, 2001

AMERICAN LABS INC (Continued) **1000360700**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/27/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/20/1999
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 04/19/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 12/13/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Technical Report
Completed Date: 10/02/2017
Comments: Final document expected is a memorandum from DTSC Toxicologist to properly characterize the Site.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: Entire Area
Completed Document Type: Other Report
Completed Date: 05/01/2004
Comments: HERO memo dated 9/19/2017 actually completed this task. However, subsequent review was needed as additional data came to light. Task is determined to be complete now.

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: Entire Area
Completed Document Type: Unilateral Order (I/SE, RAO, CAO, EPA AO)
Completed Date: 09/28/2000
Comments: Not reported

Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2023
Schedule Area Name: PROJECT WIDE
Schedule Sub Area Name: Not reported
Schedule Document Type: Interim Measures Workplan
Schedule Due Date: 01/27/2022
Schedule Revised Date: Not reported

RCRA NonGen / NLR:
Date Form Received by Agency: 19950627

AMERICAN LABS INC (Continued) **1000360700**

Handler Name:	AMERICAN LABS INC
Handler Address:	5701 S COMPTON AVE
Handler City,State,Zip:	LOS ANGELES, CA 90011
EPA ID:	CAD981459175
Contact Name:	Not reported
Contact Address:	Not reported
Contact City,State,Zip:	Not reported
Contact Telephone:	Not reported
Contact Fax:	Not reported
Contact Email:	Not reported
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Handler Activities, Permitting Activities, Corrective Action Activities
State District Owner:	CA
State District:	3
Mailing Address:	5701 S COMPTON AVE
Mailing City,State,Zip:	LOS ANGELES, CA 90011
Owner Name:	Not reported
Owner Type:	Not reported
Operator Name:	AMERICAN LABS INC
Operator Type:	Private
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	Yes
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Storage
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	Yes
Treatment Storage and Disposal Type:	Storage
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Storage
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Storage
202 GPRA Corrective Action Baseline:	No

AMERICAN LABS INC (Continued) **1000360700**

Corrective Action Workload Universe:	Yes
Subject to Corrective Action Universe:	Yes
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	Yes
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Storage
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Closure, Sudden Third-Party Liability
Handler Date of Last Change:	20021107
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	JERRY ULRICH
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name:	AMERICAN LABS INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	5701 S COMPTON
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90011
Owner/Operator Telephone:	213-588-7161
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19950627
Handler Name: AMERICAN LABS INC	
Federal Waste Generator Description:	Not a generator, verified

AMERICAN LABS INC (Continued) **1000360700**

State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19860403
Handler Name: AMERICAN LABS INC
Federal Waste Generator Description: Not a generator, verified
State District Owner: CA
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32411
NAICS Description: PETROLEUM REFINERIES

NAICS Code: 325613
NAICS Description: SURFACE ACTIVE AGENT MANUFACTURING

Facility Has Received Notices of Violation:
Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19961202
Actual Return to Compliance Date: 19970325
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19961202
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported

AMERICAN LABS INC (Continued) **1000360700**

SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	TSD - Financial Requirements
Date Violation was Determined:	19900820
Actual Return to Compliance Date:	19910101
Return to Compliance Qualifier:	Observed
Violation Responsible Agency:	State
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19900828
Enforcement Responsible Agency:	State
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9STA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported
Found Violation:	Yes
Agency Which Determined Violation:	State
Violation Short Description:	Generators - General
Date Violation was Determined:	19900829
Actual Return to Compliance Date:	19910101
Return to Compliance Qualifier:	Unverifiable

AMERICAN LABS INC (Continued) **1000360700**

Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19901001
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19961202
Actual Return to Compliance Date: 19970325
Return to Compliance Qualifier: Observed
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: 003
Date of Enforcement Action: 19961202
Enforcement Responsible Agency: State
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number:Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported

AMERICAN LABS INC (Continued) **1000360700**

SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19961202
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19970325
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19900820
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: FINANCIAL RECORD REVIEW
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19910101
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19900829
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9STA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19910101
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19961202
Evaluation Responsible Agency: State
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE

AMERICAN LABS INC (Continued) **1000360700**

Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19970325
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

EMI:

Name:	AMERICAN LABS INC
Address:	5701 S COMPTON AVE
City,State,Zip:	LOS ANGELES, CA 900110000
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	45493
Air District Name:	SC
SIC Code:	2842
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	AMERICAN LABS INC
Address:	5701 S COMPTON AVE

AMERICAN LABS INC (Continued) **1000360700**

City,State,Zip:	LOS ANGELES, CA 900110000
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	45493
Air District Name:	SC
SIC Code:	1629
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HWP:

EPA ID:	CAD981459175
Name:	AMERICAN LABS INC
Address:	5701 S COMPTON
Cleanup Status:	UNDERGOING CLOSURE
Latitude:	33.99086
Longitude:	-118.2480
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	*OTHER
Site Code:	300517
Senate District:	33
Assembly District:	59
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	Inactive Facility. Facility stopped operating in 1988. Records validated, Liang Chiang, 11/1/05. The American Lab Inc. (ALI) facility consists of about acres located in the City of Los Angeles. It operated from 1976 until the facility closed in September 1988 managing spent mineral spirits/ kerosene, anti-freeze (ethylene glycol. These wastes were managed at a hazardous waste management unit (HWMU) under Interim Status Document (ISD) issued by the Department of Health Services, DTSC's predecessor agency, on November 19, 1985. On January 12, 1996, DTSC approved the ALI Closure Plan. DTSC subsequently received an August 8, 1997, Interim Closure Assessment Report (ICA) which identified volatile organic solvents (VOCs) were present in the HWMU. These included methylene chloride, tetrachloroethene (PCE), toluene, ethyl benzene, xylene, trichloroethene (TCE), and 1,1,1-trichloroethane (1,1,1-TCA). The ICA Report also identified three solid waste management units (SWMU) and one area of concern (AOC) that either had released or might release hazardous waste or hazardous constituents into the environment. These are (1) SWMU-1: Antifreeze Waste Storage Area; (2) SWMU-2: Antifreeze Waste process Area; (3) SWMU-3: Product Mixing Building; and (4) AOC-1: Sump at the southern corner of the mixing building. On September 28, 2000, DTSC issued an Enforcement Order for Corrective Action to ALI and other respondents. On February 15, 2005, DTSC and ALI entered into a Corrective Action Consent Agreement in which ALI would implement the CA investigations, Corrective Measure Study and

AMERICAN LABS INC (Continued) **1000360700**

the Remedy Selection and Implemented. On October 7, 2013, responsibilities for closure activities of the inactive regulated units at American Labs were transferred to Site Cleanup Program. Legal action is continuing with respect to the respondents.

Project Manager Lead: Not reported
Project Manager: Not reported
Permit Type: Not reported
Permit Effective Date: Not reported
Permit Expiration Date: Not reported
Calenviroscreen Score: 96-100% (highest scores)
Total Planned Hours: Not reported
Total Planned Amount: Not reported
Total Actual Hours: Not reported

Activities:

EPA ID: CAD981459175
Facility Type: Historical - Non-Operating
Facility Name: AMERICAN LABS INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1990-10-22 00:00:00
Type: RCRA
Title Description: Initial Permit Application Unit - Tankstr1
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST RECEIVED
Actual Date: 10/22/1990

EPA ID: CAD981459175
Facility Type: Historical - Non-Operating
Facility Name: AMERICAN LABS INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1990-10-22 00:00:00
Type: RCRA
Title Description: Initial Permit Application Unit - Tankstr1
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR1
Event Description: New Operating Permit - APPLICATION PART A RECEIVED
Actual Date: 11/20/1980

EPA ID: CAD981459175
Facility Type: Historical - Non-Operating
Facility Name: AMERICAN LABS INC
Project Manager: Not reported
Project Manager Lead: Not reported

AMERICAN LABS INC (Continued) **1000360700**

Supervisor: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: New Operating Permit
Permit Being Renewed: Not reported
Permit Being Modified: Not reported
Final Date: 1990-10-22 00:00:00
Type: RCRA
Title Description: Initial Permit Application Unit - Tankstr1
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR1
Event Description: New Operating Permit - FINAL PERMIT - WITHDRAWAL REQUEST ACKNOWLEDGED
Actual Date: 10/22/1990

Closure:

EPA ID: CAD981459175
Facility Type: Historical - Non-Operating
Facility Name: AMERICAN LABS INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure1 - Unit - Tankstr1
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR1
Event Description: Closure - 1ST NOTICE OF DEFICIENCY ISSUED
Actual Date: 12/27/1994

EPA ID: CAD981459175
Facility Type: Historical - Non-Operating
Facility Name: AMERICAN LABS INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure1 - Unit - Tankstr1
Due Date: Not reported
Comments: American Labs submitted Closure Plan on 10/1/1990. DTSC reviewed Closure Plan on 12/27/1990. American Labs submitted a revised closure plan on 04/24/1995. No comments were received during public review. DSTC approved Closure Plan 1/12/1996.
Unit Names: TANKSTR1
Event Description: Closure - CLOSURE PLAN RECEIVED
Actual Date: 10/22/1990

EPA ID: CAD981459175
Facility Type: Historical - Non-Operating
Facility Name: AMERICAN LABS INC

AMERICAN LABS INC (Continued) **1000360700**

Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure1 - Unit - Tankstr1
Due Date:	Not reported
Comments:	Referred for closure to ca
Unit Names:	TANKSTR1
Event Description:	Closure - CLOSURE PLAN APPROVED
Actual Date:	08/06/2013

EPA ID:	CAD981459175
Facility Type:	Historical - Non-Operating
Facility Name:	AMERICAN LABS INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	Closure
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure1 - Unit - Tankstr1
Due Date:	Not reported
Comments:	Not reported
Unit Names:	TANKSTR1
Event Description:	Closure - PUBLIC COMMENT (END)
Actual Date:	11/30/1995

EPA ID:	CAD981459175
Facility Type:	Historical - Non-Operating
Facility Name:	AMERICAN LABS INC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	UNDERGOING CLOSURE
Activity Type:	Referred for closure to other agency
Final Date:	Not reported
Type:	Not reported
Title Description:	REFERRED TO CORRECTIVE ACTION
Due Date:	Not reported
Comments:	Not reported
Unit Names:	TANKSTR1
Event Description:	Referred for closure to other agency - REFERRED FOR CLOSURE TO OTHER AGENCY
Actual Date:	10/07/2013

EPA ID:	CAD981459175
Facility Type:	Historical - Non-Operating
Facility Name:	AMERICAN LABS INC
Project Manager:	Not reported
Project Manager Lead:	Not reported

AMERICAN LABS INC (Continued) **1000360700**

Supervisor: Not reported
Facility Size: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure1 - Unit - Tankstr1
Due Date: Not reported
Comments: N.O.D. issued for Closure Certification Report (CCR) dated 08/08/1997.
Unit Names: TANKSTR1
Event Description: Closure - 2ND NOTICE OF DEFICIENCY ISSUED
Actual Date: 12/17/1997

EPA ID: CAD981459175
Facility Type: Historical - Non-Operating
Facility Name: AMERICAN LABS INC
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Facility Size: Not reported
Facility Status: UNDERGOING CLOSURE
Activity Type: Closure
Final Date: Not reported
Type: RCRA
Title Description: Closure1 - Unit - Tankstr1
Due Date: Not reported
Comments: Not reported
Unit Names: TANKSTR1
Event Description: Closure - PUBLIC COMMENT (BEGIN)
Actual Date: 11/30/1995

Alias:
EPA ID: CAD981459175
Facility Type: Historical - Non-Operating
Facility Name: AMERICAN LABS INC
Facility Status: UNDERGOING CLOSURE
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: Project Code (Site Code)
Alias: 300517

EPA ID: CAD981459175
Facility Type: Historical - Non-Operating
Facility Name: AMERICAN LABS INC
Facility Status: UNDERGOING CLOSURE
Project Manager: Not reported
Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: Alternate Name
Alias: Four Star Chemical

EPA ID: CAD981459175
Facility Type: Historical - Non-Operating
Facility Name: AMERICAN LABS INC
Facility Status: UNDERGOING CLOSURE
Project Manager: Not reported

AMERICAN LABS INC (Continued) **1000360700**

Project Manager Lead: Not reported
Supervisor: Not reported
Alias Type: Alternate Name
Alias: Triple Image

CERS:
Name: AMERICAN LABS INC
Address: 5701 S COMPTON
City,State,Zip: LOS ANGELES, CA 900110000
Site ID: 187614
CERS ID: CAD981459175
CERS Description: Hazardous Waste

Affiliation:
Affiliation Type Desc: Facility Owner
Entity Name: JERRY R ULRICH, PRES
Entity Title: Not reported
Affiliation Address: --
Affiliation City: --
Affiliation State: 99
Affiliation Country: Not reported
Affiliation Zip: --
Affiliation Phone: 0000000000

Affiliation Type Desc: Facility Contact
Entity Name: UNDELIVERABLE 1996 FEES FORM
Entity Title: Not reported
Affiliation Address: 5701 S COMPTON AVE/UNDELIV V97 -PH
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 900110000
Affiliation Phone: 2135887161

Affiliation Type Desc: Lead Project Manager
Entity Name: MARIA FABELLA
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Supervisor
Entity Name: Philip Chandler
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Name: AMERICAN LABS INC

AMERICAN LABS INC (Continued) **1000360700**

Address: 5701 S COMPTON
City,State,Zip: LOS ANGELES, CA 900110000
Site ID: 187614
CERS ID: 80001478
CERS Description: Corrective Action

Affiliation:
Affiliation Type Desc: Facility Owner
Entity Name: JERRY R ULRICH, PRES
Entity Title: Not reported
Affiliation Address: --
Affiliation City: --
Affiliation State: 99
Affiliation Country: Not reported
Affiliation Zip: --
Affiliation Phone: 0000000000

Affiliation Type Desc: Facility Contact
Entity Name: UNDELIVERABLE 1996 FEES FORM
Entity Title: Not reported
Affiliation Address: 5701 S COMPTON AVE/UNDELIV V97 -PH
Affiliation City: LOS ANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 900110000
Affiliation Phone: 2135887161

Affiliation Type Desc: Lead Project Manager
Entity Name: MARIA FABELLA
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Supervisor
Entity Name: Philip Chandler
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

U107 **FOUR STAR CHEMICAL** **ENVIROSTOR** **S105954457**
ESE **5701 COMPTON AVE.** **N/A**
1/2-1 **LA, CA 90014**
0.881 mi.
4650 ft. **Site 2 of 2 in cluster U**

Relative: ENVIROSTOR:
Lower Name: FOUR STAR CHEMICAL
Address: 5701 COMPTON AVE.
Actual: City,State,Zip: LA, CA 90014
177 ft.

FOUR STAR CHEMICAL (Continued) **S105954457**

Facility ID:	19281224
Status:	Inactive - Action Required
Status Date:	07/18/2002
Site Code:	301073
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Not reported
Supervisor:	Juli Propes
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	33
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.99086
Longitude:	-118.2480
APN:	5104028027
Past Use:	TRANSPORTATION - WAREHOUSING, WASTE - INDUSTRIAL TREATMENT FACILITY
Potential COC:	* HALOGENATED SOLVENTS
Confirmed COC:	NONE SPECIFIED
Potential Description:	AQUI, SOIL, SV
Alias Name:	AMERICAN LABS AND RECOVERY
Alias Type:	Alternate Name
Alias Name:	AMERICAN LABS, INC.
Alias Type:	Alternate Name
Alias Name:	5104028027
Alias Type:	APN
Alias Name:	CAD981459175
Alias Type:	CERCLIS ID
Alias Name:	301073
Alias Type:	Project Code (Site Code)
Alias Name:	19281224
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	07/18/2002
Comments:	PA is complete. VOC contamination at site. Further investigation recommended.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	06/22/2000
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported

FOUR STAR CHEMICAL (Continued) **S105954457**

Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

108
SW
1/2-1
0.885 mi.
4671 ft.

ANTES COLUMBUS YOUTH FOOTBALL CLUB
120 WEST SLAUSON AVENUE
LOS ANGELES, CA 90003

ENVIROSTOR SCH **S118757162 N/A**

Relative:
Lower

Actual:
158 ft.

ENVIROSTOR:

Name:	ANTES COLUMBUS YOUTH FOOTBALL CLUB
Address:	120 WEST SLAUSON AVENUE
City,State,Zip:	LOS ANGELES, CA 90003
Facility ID:	60000771
Status:	No Action Required
Status Date:	08/21/2014
Site Code:	304579
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	2.89
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	59
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Responsible Party
Latitude:	33.98862
Longitude:	-118.2747
APN:	6005-010-009, 6005-010-010, 6005-010-011, 6005-010-012, 6005-010-015, 6005-010-016, 6005-010-017, 6005-010-018, 6005-010-019, 6005-010-020, 6005-010-025, 6005010015
Past Use:	MACHINE SHOP, MAINTENANCE / CLEANING, MANUFACTURING - LUMBER/WOOD PRODUCTS, MANUFACTURING - OTHER, METAL PLATING - OTHER, PHOTOGRAPHIC PROCESSING, RESIDENTIAL AREA
Potential COC:	Arsenic Chlordane Lead Tetrachloroethylene (PCE Xylenes
Confirmed COC:	Arsenic Chlordane Lead Tetrachloroethylene (PCE Xylenes
Potential Description:	SOIL, SV
Alias Name:	Community Soccer Field
Alias Type:	Alternate Name
Alias Name:	6005-010-009
Alias Type:	APN
Alias Name:	6005-010-010
Alias Type:	APN
Alias Name:	6005-010-011
Alias Type:	APN
Alias Name:	6005-010-012
Alias Type:	APN
Alias Name:	6005-010-015
Alias Type:	APN
Alias Name:	6005-010-016

ANTES COLUMBUS YOUTH FOOTBALL CLUB (Continued) **S118757162**

Alias Type: APN
Alias Name: 6005-010-017
Alias Type: APN
Alias Name: 6005-010-018
Alias Type: APN
Alias Name: 6005-010-019
Alias Type: APN
Alias Name: 6005-010-020
Alias Type: APN
Alias Name: 6005-010-025
Alias Type: APN
Alias Name: 6005010015
Alias Type: APN
Alias Name: 110033606079
Alias Type: EPA (FRS #)
Alias Name: 304579
Alias Type: Project Code (Site Code)
Alias Name: 60000771
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 06/02/2015
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 03/27/2012
Comments: 2nd Collection Letter for Inv. 07SM3048, 07SM3310, 08SM0260 and 08SM1678.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Letter - Demand
Completed Date: 02/16/2012
Comments: First Collection Letter Inv# 07SM3048, 07SM3310, 08SM0260 and 08SM1678.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 02/01/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 01/07/2008
Comments: Spanish and English fact sheets approved

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 10/23/2008
Comments: DTSC prepared project close out Cost Recovery Unit memorandum

ANTES COLUMBUS YOUTH FOOTBALL CLUB (Continued) **S118757162**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	01/10/2008
Comments:	VCA

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Notice of Exemption
Completed Date:	02/01/2008
Comments:	Not reported

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Name:	ANTES COLUMBUS YOUTH FOOTBALL CLUB
Address:	120 WEST SLAUSON AVENUE
City,State,Zip:	LOS ANGELES, CA 90003
Facility ID:	60000771
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	2.89
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304579
Assembly:	59
Senate:	30
Special Program Status:	Not reported
Status:	No Action Required
Status Date:	08/21/2014
Restricted Use:	NO
Funding:	Responsible Party
Latitude:	33.98862
Longitude:	-118.2747
APN:	6005-010-009, 6005-010-010, 6005-010-011, 6005-010-012, 6005-010-015, 6005-010-016, 6005-010-017, 6005-010-018, 6005-010-019, 6005-010-020, 6005-010-025, 6005010015
Past Use:	MACHINE SHOP, MAINTENANCE / CLEANING, MANUFACTURING - LUMBER/WOOD PRODUCTS, MANUFACTURING - OTHER, METAL PLATING - OTHER, PHOTOGRAPHIC PROCESSING, RESIDENTIAL AREA
Potential COC:	Arsenic, Chlordane, Lead, Tetrachloroethylene (PCE, Xylenes
Confirmed COC:	Arsenic, Chlordane, Lead, Tetrachloroethylene (PCE, Xylenes

ANTES COLUMBUS YOUTH FOOTBALL CLUB (Continued) **S118757162**

Potential Description:	SOIL, SV
Alias Name:	Community Soccer Field
Alias Type:	Alternate Name
Alias Name:	6005-010-009
Alias Type:	APN
Alias Name:	6005-010-010
Alias Type:	APN
Alias Name:	6005-010-011
Alias Type:	APN
Alias Name:	6005-010-012
Alias Type:	APN
Alias Name:	6005-010-015
Alias Type:	APN
Alias Name:	6005-010-016
Alias Type:	APN
Alias Name:	6005-010-017
Alias Type:	APN
Alias Name:	6005-010-018
Alias Type:	APN
Alias Name:	6005-010-019
Alias Type:	APN
Alias Name:	6005-010-020
Alias Type:	APN
Alias Name:	6005-010-025
Alias Type:	APN
Alias Name:	6005010015
Alias Type:	APN
Alias Name:	110033606079
Alias Type:	EPA (FRS #)
Alias Name:	304579
Alias Type:	Project Code (Site Code)
Alias Name:	60000771
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	06/02/2015
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Letter - Demand
Completed Date:	03/27/2012
Comments:	2nd Collection Letter for Inv. 07SM3048, 07SM3310, 08SM0260 and 08SM1678.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Letter - Demand
Completed Date:	02/16/2012
Comments:	First Collection Letter Inv# 07SM3048, 07SM3310, 08SM0260 and 08SM1678.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Removal Action Workplan

ANTES COLUMBUS YOUTH FOOTBALL CLUB (Continued) **S118757162**

Completed Date:	02/01/2008
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Fact Sheets
Completed Date:	01/07/2008
Comments:	Spanish and English fact sheets approved
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	10/23/2008
Comments:	DTSC prepared project close out Cost Recovery Unit memorandum
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Standard Voluntary Agreement
Completed Date:	01/10/2008
Comments:	VCA
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Notice of Exemption
Completed Date:	02/01/2008
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

109
NNW
1/2-1
0.888 mi.
4689 ft.

JEFFERSON ELEMENTARY SCHOOL NO. 1 **ENVIROSTOR** **S105628622**
MARTIN LUTHER KING JR. BLVD./AVALON BLVD. **SCH** **N/A**
LOS ANGELES, CA 90011

Relative:
Higher

Actual:
196 ft.

ENVIROSTOR:

Name:	JEFFERSON ELEMENTARY SCHOOL NO. 1
Address:	MARTIN LUTHER KING JR. BLVD./AVALON BLVD.
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	19880018
Status:	Certified
Status Date:	01/15/2004
Site Code:	304231
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	4
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported

JEFFERSON ELEMENTARY SCHOOL NO. 1 (Continued) **S105628622**

Supervisor: Javier Hinojosa
Division Branch: Southern California Schools & Brownfields Outreach
Assembly: 53
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 34.01134
Longitude: -118.2656
APN: 5135033033, 5138017097
Past Use: RESIDENTIAL AREA
Potential COC: TPH-diesel 1,3,5-Trimethylbenzene
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: JEFFERSON ELEMENTARY SCHOOL NO. 1
Alias Type: Alternate Name
Alias Name: JEFFERSON ELEMENTARY SCHOOL NO. 1 (PROP)
Alias Type: Alternate Name
Alias Name: LAUSD-JEFFERSON ELEMENTARY
Alias Type: Alternate Name
Alias Name: LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: 5135033033
Alias Type: APN
Alias Name: 5138017097
Alias Type: APN
Alias Name: 110033606667
Alias Type: EPA (FRS #)
Alias Name: 304231
Alias Type: Project Code (Site Code)
Alias Name: 19880018
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/19/2001
Comments: DTSC issued a Preliminary Endangerment Assessment determination, requiring further action at the proposed school site. Aprvd for public review.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/11/2003
Comments: The approximately 5-acre site was historically utilized for residential and light commercial properties, including an on-site carwash and clarifier, and an automotive repair shop with an underground storage tank (UST). Elevated levels of total petroleum hydrocarbons (TPH) were detected near the clarifier and the former UST; an isolated hit of benzene was also detected near the clarifier. Confirmation samples collected post-excavation indicated cleanup goals were achieved. Approximately 600 cubic yards of soil were removed and disposed of off-site (TPH 1,500 mg/kg AND benzene 12 mg/kg) when the DTSC-approved RAW was implemented.

JEFFERSON ELEMENTARY SCHOOL NO. 1 (Continued) **S105628622**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 05/15/2002
Comments: CEQA and RAW approved. Implementation delayed until 12/02

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 10/31/2003
Comments: DTSC approved the Supplemental Site Investigation (SSI) and determined neither an actual or a potential release of hazardous material, nor the presence of naturally occurring hazardous material indicated at the site pose a threat to human health or the environment under any land use. Therefore, DTSC concurred that no further environmental investigation or cleanup was required at this site, and approved the SSI. Lead-based paint, ACBM issues, UST removal issues.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 02/01/2001
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/02/2003
Comments: Closure Report Underground Storage Tank Removal Activities

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/15/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 05/15/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: LAUSD MASTER OVERSIGHT AGREEMENT (DOCKET NO. HSA-A 99/00-051) EXECUTED ON 2/10/00. As part of the Master Oversight Agreement between DTSC and the Los Angeles Unified School District (LAUSD), DTSC will provide oversight for a Preliminary Endangerment Assessment (PEA) for the proposed Jefferson Elementary School No. 1 site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 04/17/2003

JEFFERSON ELEMENTARY SCHOOL NO. 1 (Continued) **S105628622**

Comments:	SITE CERTIFIED: DTSC has determined that all appropriate response actions have been completed, that all acceptable engineering practices were implemented, specifically for total petroleum hydrocarbons and benzene, as identified in the DTSC approved Removal Action Work- plan. Additional soil samples will be collected to evaluate potential lead-based paint impacts.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Name:	JEFFERSON ELEMENTARY SCHOOL NO. 1
Address:	MARTIN LUTHER KING JR. BLVD./AVALON BLVD.
City,State,Zip:	LOS ANGELES, CA 90011
Facility ID:	19880018
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	4
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304231
Assembly:	53
Senate:	30
Special Program Status:	Not reported
Status:	Certified
Status Date:	01/15/2004
Restricted Use:	NO
Funding:	School District
Latitude:	34.01134
Longitude:	-118.2656
APN:	5135033033, 5138017097
Past Use:	RESIDENTIAL AREA
Potential COC:	TPH-diesel, TPH-diesel, 1,3,5-Trimethylbenzene
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	JEFFERSON ELEMENTARY SCHOOL NO. 1
Alias Type:	Alternate Name
Alias Name:	JEFFERSON ELEMENTARY SCHOOL NO. 1 (PROP)
Alias Type:	Alternate Name
Alias Name:	LAUSD-JEFFERSON ELEMENTARY
Alias Type:	Alternate Name
Alias Name:	LOS ANGELES UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name

JEFFERSON ELEMENTARY SCHOOL NO. 1 (Continued) **S105628622**

Alias Name: 5135033033
Alias Type: APN
Alias Name: 5138017097
Alias Type: APN
Alias Name: 110033606667
Alias Type: EPA (FRS #)
Alias Name: 304231
Alias Type: Project Code (Site Code)
Alias Name: 19880018
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 11/19/2001
Comments: DTSC issued a Preliminary Endangerment Assessment determination, requiring further action at the proposed school site. Aprvd for public review.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 03/11/2003
Comments: The approximately 5-acre site was historically utilized for residential and light commercial properties, including an on-site carwash and clarifier, and an automotive repair shop with an underground storage tank (UST). Elevated levels of total petroleum hydrocarbons (TPH) were detected near the clarifier and the former UST; an isolated hit of benzene was also detected near the clarifier. Confirmation samples collected post-excavation indicated cleanup goals were achieved. Approximately 600 cubic yards of soil were removed and disposed of off-site (TPH 1,500 mg/kg AND benzene 12 mg/kg) when the DTSC-approved RAW was implemented.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 05/15/2002
Comments: CEQA and RAW approved. Implementation delayed until 12/02

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Report
Completed Date: 10/31/2003
Comments: DTSC approved the Supplemental Site Investigation (SSI) and determined neither an actual or a potential release of hazardous material, nor the presence of naturally occurring hazardous material indicated at the site pose a threat to human health or the environment under any land use. Therefore, DTSC concurred that no further environmental investigation or cleanup was required at this site, and approved the SSI. Lead-based paint, ACBM issues, UST removal issues.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 02/01/2001

JEFFERSON ELEMENTARY SCHOOL NO. 1 (Continued) **S105628622**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 10/02/2003
Comments: Closure Report Underground Storage Tank Removal Activities

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 01/15/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * CEQA
Completed Date: 05/15/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/10/2000
Comments: LAUSD MASTER OVERSIGHT AGREEMENT (DOCKET NO. HSA-A 99/00-051) EXECUTED ON 2/10/00. As part of the Master Oversight Agreement between DTSC and the Los Angeles Unified School District (LAUSD), DTSC will provide oversight for a Preliminary Endangerment Assessment (PEA) for the proposed Jefferson Elementary School No. 1 site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 04/17/2003
Comments: SITE CERTIFIED: DTSC has determined that all appropriate response actions have been completed, that all acceptable engineering practices were implemented, specifically for total petroleum hydrocarbons and benzene, as identified in the DTSC approved Removal Action Work- plan. Additional soil samples will be collected to evaluate potential lead-based paint impacts.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

V110 **MEL BROWN** **ENVIROSTOR** **S112057188**
South **709 EAST 61ST STREET** **HAZMAT** **N/A**
1/2-1 **LOS ANGELES, CA 90001**
0.901 mi.
4758 ft. **Site 1 of 3 in cluster V**

Relative: **Lower**

Actual: **163 ft.**

ENVIROSTOR:

Name:	MEL BROWN
Address:	709 EAST 61ST STREET
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	60001705
Status:	Refer: EPA
Status Date:	10/30/2018
Site Code:	301686
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Folashade Simpson
Supervisor:	Sayareh Amirebrahimi
Division Branch:	Cleanup Chatsworth
Assembly:	52, 59
Senate:	30
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98471
Longitude:	-118.2627
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	Lead Polychlorinated biphenyls (PCBs Tetrachloroethylene (PCE Trichloroethylene (TCE Nickel Toluene
Confirmed COC:	Lead Tetrachloroethylene (PCE Nickel Toluene Trichloroethylene (TCE Polychlorinated biphenyls (PCBs
Potential Description:	NONE SPECIFIED
Alias Name:	CASFN0905509
Alias Type:	EPA Identification Number
Alias Name:	301686
Alias Type:	Project Code (Site Code)
Alias Name:	60001705
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	PA/SI Reassessment
Completed Date:	05/15/2015
Comments:	Final Triage uploaded
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported

MEL BROWN (Continued) **S112057188**

Schedule Revised Date: Not reported

LOS ANGELES HM:
Name: GRAND RAPIDS-ZIMMERLA CORP
Address: 709 E 61ST ST
City,State,Zip: LOS ANGELES, CA 90001
Facility ID: FA0011619
Last Run Date: 04/19/2021
Status: INACTIVE

W111 **LESLIE MARCY JOHNNY CUTTING AND FUSE SER** **ENVIROSTOR** **S104241818**
South **831 EAST 61ST STREET** **N/A**
1/2-1 **LOS ANGELES, CA 90001**
0.901 mi.
4758 ft. **Site 1 of 2 in cluster W**

Relative:
Lower

Actual:
165 ft.

ENVIROSTOR:
Name: LESLIE MARCY JOHNNY CUTTING AND FUSE SER
Address: 831 EAST 61ST STREET
City,State,Zip: LOS ANGELES, CA 90001
Facility ID: 19390052
Status: No Further Action
Status Date: 06/17/1999
Site Code: 300776
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0.6663911
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Joseph Cully
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 59
Senate: 30
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.98471
Longitude: -118.2599
APN: NONE SPECIFIED
Past Use: PAINT MANUFACTURING
Potential COC: Arsenic Lead
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: 110009269969
Alias Type: EPA (FRS #)
Alias Name: 300776
Alias Type: Project Code (Site Code)
Alias Name: 19390052
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/22/1999

LESLIE MARCY JOHNNY CUTTING AND FUSE SER (Continued) **S104241818**

Comments: Site Screening Completed.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

V112 **GRAND RAPIDS-ZIMMERLA CORP** **ENVIROSTOR** **S106831963**
South **641 EAST 61ST STREET** **EMI** **N/A**
1/2-1 **LOS ANGELES, CA 90001**
0.901 mi.
4759 ft. **Site 2 of 3 in cluster V**

Relative:
Lower

Actual:
162 ft.

ENVIROSTOR:
Name: GRAND RAPID ZIMMERLA
Address: 641 EAST 61ST STREET
City,State,Zip: LOS ANGELES, CA 90001
Facility ID: 60001735
Status: Refer: EPA
Status Date: 06/18/1999
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: US EPA
Lead Agency: US EPA
Program Manager: Joseph Cully
Supervisor: Douglas Bautista
Division Branch: Cleanup Cypress
Assembly: 52
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: EPA Grant
Latitude: 33.98458
Longitude: -118.2635
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: Trichloroethylene (TCE
Confirmed COC: Trichloroethylene (TCE
Potential Description: NONE SPECIFIED
Alias Name: 60001735
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/18/1999
Comments: Not reported

GRAND RAPIDS-ZIMMERLA CORP (Continued) **S106831963**

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

EMI:

Name:	GRAND RAPIDS-ZIMMERLA CORP
Address:	641 EAST 61ST STREET
City,State,Zip:	LOS ANGELES, CA 90001
Year:	1987
County Code:	19
Air Basin:	SC
Facility ID:	22838
Air District Name:	SC
SIC Code:	2511
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	0
Reactive Organic Gases Tons/Yr:	0
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

113
SSW
1/2-1
0.904 mi.
4773 ft.

MEMLEY PLATING WORKS
5966 SOUTH SAN PEDRO STREET
LOS ANGELES, CA 90003

ENVIROSTOR **S105024684**
HIST CORTESE **N/A**
LA Co. Site Mitigation

Relative:
Lower

Actual:
157 ft.

ENVIROSTOR:

Name:	MEMLEY PLATING WORKS
Address:	5966 SOUTH SAN PEDRO STREET
City,State,Zip:	LOS ANGELES, CA 90003
Facility ID:	19340274
Status:	Refer: Other Agency
Status Date:	08/31/1995
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	30
Special Program:	Not reported

MEMLEY PLATING WORKS (Continued) **S105024684**

Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.98550
Longitude: -118.2694
APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CAD981374143
Alias Type: EPA Identification Number
Alias Name: 19340274
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 01/05/1982
Comments: FACILITY IDENTIFIED LA CHAM OF COMM BUS DIR 1958 PLATING

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 10/17/1994
Comments: Database verification program confirmed NFA for DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 11/16/1988
Comments: Site Screening Done: DHS will take no further action due to low waste quantities and low route characteristics. Site will be referred to LA County Health Dept. Removed from Cortese List.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 12/01/1985
Comments: FAC TYPE: WASTES HAULED TO BKK SOURCE ACT: COPPER,BRASS,ZINC,TIN & CADMIUM PLATING.CHROMIUM PRIOR TO 1968 (CO HLTH 3-26-75,6-14-68) SUBMIT TO EPA PRELIM ASSESS DONE CERCLA 104

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HIST CORTESE:
edr_fname: MEMLEY PLATING WORKS
edr_fadd1: 5966 SAN PEDRO

MEMLEY PLATING WORKS (Continued) **S105024684**

City,State,Zip: LOS ANGELES, CA 90003
Region: CORTESE
Facility County Code: 19
Reg By: CALSI
Reg Id: 19340274

LA Co. Site Mitigation:
Name: MENLEY PLATING WORKS
Address: 5966 S SAN PEDRO ST
City,State,Zip: LOS ANGELES, CA 90003
Facility ID: Not reported
Status: Not reported
Site ID: SD0010212
Jurisdiction: Not reported
Case ID: RO0000478
Abated: Yes
Assigned To: JN
Entered Date: Not reported
Abated Date: 07/01/1989

X114 **FOX TRADING** **SEMS** **1001491896**
South **901 EAST 61ST STREET** **ENVIROSTOR** **CASFN0905553**
1/2-1 **LOS ANGELES, CA 90001**
0.905 mi.
4776 ft. **Site 1 of 2 in cluster X**

Relative:
Lower

Actual:
166 ft.

SEMS:
Site ID: 0905553
EPA ID: CASFN0905553
Name: FOX TRADING
Address: 901 EAST 61ST STREET
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90001
Cong District: Not reported
FIPS Code: 06037
Latitude: Not reported
Longitude: Not reported
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Detail:
Region: 09
Site ID: 0905553
EPA ID: CASFN0905553
Site Name: FOX TRADING
NPL: N
FF: N
OU: 00
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1999-06-28 04:00:00
Finish Date: 6/28/1999 4:00:00 AM
Qual: Not reported
Current Action Lead: EPA Perf

Region: 09

FOX TRADING (Continued) **1001491896**

Site ID:	0905553
EPA ID:	CASFN0905553
Site Name:	FOX TRADING
NPL:	N
FF:	N
OU:	00
Action Code:	OO
Action Name:	SITE REASS
SEQ:	1
Start Date:	2013-07-01 05:00:00
Finish Date:	10/1/2014 5:00:00 AM
Qual:	N
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0905553
EPA ID:	CASFN0905553
Site Name:	FOX TRADING
NPL:	N
FF:	N
OU:	00
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	2000-08-15 04:00:00
Finish Date:	6/30/2001 4:00:00 AM
Qual:	H
Current Action Lead:	St Perf

ENVIROSTOR:

Name:	FOX TRADING
Address:	901 EAST 61ST STREET
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	19281222
Status:	Inactive - Needs Evaluation
Status Date:	06/30/2001
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0.2
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Not reported
Supervisor:	Philip Chandler
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	30
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98472
Longitude:	-118.2593
APN:	6007007017
Past Use:	NONE SPECIFIED

FOX TRADING (Continued) **1001491896**

Potential COC: * HALOGENATED SOLVENTS * ORGANIC LIQUIDS WITH METALS * Sludge - Paint
Not reported
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 6007007017
Alias Type: APN
Alias Name: CASFN0905553
Alias Type: CERCLIS ID
Alias Name: 110009270243
Alias Type: EPA (FRS #)
Alias Name: 19281222
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Report
Completed Date: 06/30/2001
Comments: Potential release as a result of Preliminary Assessment (PA). Further Action recommended.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 06/28/1999
Comments: Site Screening Completed

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Reassessment
Completed Date: 10/01/2014
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

X115 **JULIES TRADING CO.** **ENVIROSTOR** **S112057194**
SSE **931 EAST 61ST STREET** **N/A**
1/2-1 **LOS ANGELES, CA 90001**
0.912 mi.
4814 ft. **Site 2 of 2 in cluster X**

Relative: **Lower**
Actual: **166 ft.**

ENVIROSTOR:
Name: JULIES TRADING CO.
Address: 931 EAST 61ST STREET
City,State,Zip: LOS ANGELES, CA 90001
Facility ID: 60001716
Status: Refer: EPA
Status Date: 10/30/2018
Site Code: 301689
Site Type: Evaluation

JULIES TRADING CO. (Continued) **S112057194**

Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Folashade Simpson
Supervisor:	Sayareh Amirebrahimi
Division Branch:	Cleanup Chatsworth
Assembly:	52, 59
Senate:	30
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98464
Longitude:	-118.2570
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	Lead Trichloroethylene (TCE Ethylbenzene Toluene
Confirmed COC:	Lead Ethylbenzene Toluene Trichloroethylene (TCE
Potential Description:	NONE SPECIFIED
Alias Name:	AMERBUILDING MAINT CO
Alias Type:	Alternate Name
Alias Name:	CASFN0905510
Alias Type:	EPA Identification Number
Alias Name:	301689
Alias Type:	Project Code (Site Code)
Alias Name:	60001716
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	PA/SI Reassessment
Completed Date:	11/03/2017
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

116
SSE
1/2-1
0.920 mi.
4858 ft.

J W MINDER CHAIN AND GEAR COMPANY **ENVIROSTOR** **S102860882**
6011 CENTRAL AVENUE **HIST CORTESE** **N/A**
LOS ANGELES, CA 90012

Relative:
Lower

Actual:
167 ft.

ENVIROSTOR:

Name:	J W MINDER CHAIN AND GEAR COMPANY
Address:	6011 CENTRAL AVENUE
City,State,Zip:	LOS ANGELES, CA 90012
Facility ID:	19350094

J W MINDER CHAIN AND GEAR COMPANY (Continued) **S102860882**

Status:	No Further Action
Status Date:	11/08/1994
Site Code:	Not reported
Site Type:	Historical
Site Type Detailed:	* Historical
Acres:	0
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Mmonroy
Division Branch:	Cleanup Chatsworth
Assembly:	59
Senate:	30
Special Program:	* Site Char & Assess Grant (CERCLA 104)
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	33.9853
Longitude:	-118.2565
APN:	NONE SPECIFIED
Past Use:	UNKNOWN
Potential COC:	Polynuclear aromatic hydrocarbons (PAHs TPH-diesel TPH-gas TPH-MOTOR OIL
Confirmed COC:	30019-NO 30024-NO 30025-NO 3002502-NO
Potential Description:	SOIL
Alias Name:	MINDER J W CHAIN AND GEAR COMPANY
Alias Type:	Alternate Name
Alias Name:	MONO CONSTRUCTION (4/85 TO PRESENT)
Alias Type:	Alternate Name
Alias Name:	CAD981374028
Alias Type:	EPA Identification Number
Alias Name:	19350094
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Assessment Report
Completed Date:	12/01/1985
Comments:	SOURCE ACT UNK. MACHINERY STORAGE SUB- LEASED BY SINGATURE(BOTH #6011/#6033) PERMIT: CITY SANIT #W07829(1-53). NO REC OF DISP PRACTICE. SUBMIT TO EPA PRELIM ASSESS DONE CERCLA 104
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	11/08/1994
Comments:	Database Validation Program confirms NFA for DTSC.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Discovery
Completed Date:	03/24/1982
Comments:	FACILITY IDENTIFIED L A CHAM OF COMM BUS DIR 1956
Future Area Name:	Not reported
Future Sub Area Name:	Not reported

J W MINDER CHAIN AND GEAR COMPANY (Continued) **S102860882**

Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

HIST CORTESE:

edr_fname:	J W MINDER CHAIN AND GEAR
edr_fadd1:	6011 CENTRAL
City,State,Zip:	LOS ANGELES, CA 90001
Region:	CORTESE
Facility County Code:	19
Reg By:	CALSI
Reg Id:	19350094

W117 **LEMCO CORPORATION** **ENVIROSTOR** **S113169841**
South **802 E 61ST ST** **HAZNET** **N/A**
1/2-1 **LOS ANGELES, CA 90001** **HWTS**
0.923 mi.
4871 ft. **Site 2 of 2 in cluster W**

Relative: **Lower**

Actual: **164 ft.**

ENVIROSTOR:

Name:	LEMCO CORPORATION
Address:	802 EAST 61ST STREET
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	60002409
Status:	Refer: EPA
Status Date:	10/30/2018
Site Code:	301772
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Folashade Simpson
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Assembly:	, 59
Senate:	, 30
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98418
Longitude:	-118.2612
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CASFN0905590
Alias Type:	EPA Identification Number
Alias Name:	301772
Alias Type:	Project Code (Site Code)

LEMCO CORPORATION (Continued) **S113169841**

Alias Name: 60002409
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 06/16/2017
Comments: 2017 Pre-CERCLA Assessment repot: "Although the site has multiple violations, the USEPA an LACFD conducted a joint investigation and several removal actions." Final Site Status: Not a Valid Site

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

HAZNET:
Name: LEMCO CORPORATION
Address: 802 E 61ST ST
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 900010000
Contact: SHANNON GRIEGO
Telephone: 9096256645
Mailing Name: Not reported
Mailing Address: 10680 SILICON AVE

Year: 2001
Gepaid: CAP000007619
TSD EPA ID: CAD028409019
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: H01 - Transfer Station
Tons: 2.55

Year: 2001
Gepaid: CAP000007619
TSD EPA ID: CAD982444481
CA Waste Code: 512 - Other empty containers 30 gallons or more
Disposal Method: H01 - Transfer Station
Tons: 33.712

Year: 2001
Gepaid: CAP000007619
TSD EPA ID: CAT000646117
CA Waste Code: 352 - Other organic solids
Disposal Method: D80 - Disposal, Land Fill
Tons: 220.8136

Year: 2001
Gepaid: CAP000007619
TSD EPA ID: CAT080033681
CA Waste Code: 352 - Other organic solids

LEMCO CORPORATION (Continued) **S113169841**

Disposal Method: -
Tons: 0.15

Year: 2001
Gepaid: CAP000007619
TSD EPA ID: CAT080033681
CA Waste Code: 352 - Other organic solids
Disposal Method: D80 - Disposal, Land Fill
Tons: 5.55

Year: 2001
Gepaid: CAP000007619
TSD EPA ID: CAT080033681
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: -
Tons: 0.5

Year: 2001
Gepaid: CAP000007619
TSD EPA ID: CAT080033681
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: D80 - Disposal, Land Fill
Tons: 6.2534

Year: 2001
Gepaid: CAP000007619
TSD EPA ID: CAT080033681
CA Waste Code: 135 - Unspecified aqueous solution
Disposal Method: R01 - Recycler
Tons: 2.52

Year: 2001
Gepaid: CAP000007619
TSD EPA ID: CAT080033681
CA Waste Code: 343 - Unspecified organic liquid mixture
Disposal Method: D80 - Disposal, Land Fill
Tons: 7.05

Year: 2001
Gepaid: CAP000007619
TSD EPA ID: CAT080033681
CA Waste Code: 181 - Other inorganic solid waste
Disposal Method: R01 - Recycler
Tons: 0.65

Click this hyperlink while viewing on your computer to access
20 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:
Year: 2000
Gen EPA ID: CAP000007619

Shipment Date: 20001220
Creation Date: 3/6/2001 0:00:00
Receipt Date: 20001220
Manifest ID: 20106865

LEMCO CORPORATION (Continued) **S113169841**

Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D007
Meth Code:	R01 - Recycler
Quantity Tons:	0.375
Waste Quantity:	750
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20001220
Creation Date:	3/6/2001 0:00:00
Receipt Date:	20001220
Manifest ID:	20106865
Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	2.25
Waste Quantity:	4500
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20001220
Creation Date:	3/6/2001 0:00:00
Receipt Date:	20001229
Manifest ID:	20106885
Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids

LEMCO CORPORATION (Continued) **S113169841**

RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001220
Creation Date:	3/6/2001 0:00:00
Receipt Date:	20001220
Manifest ID:	20106865
Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	1.35
Waste Quantity:	2700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001220
Creation Date:	3/6/2001 0:00:00
Receipt Date:	20001229
Manifest ID:	20106886
Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT000646117
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

LEMCO CORPORATION (Continued) **S113169841**

Additional Code 5:	Not reported
Shipment Date:	20001218
Creation Date:	3/6/2001 0:00:00
Receipt Date:	20001218
Manifest ID:	20106884
Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	3.45
Waste Quantity:	6900
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001218
Creation Date:	3/6/2001 0:00:00
Receipt Date:	20001218
Manifest ID:	20106884
Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080033681
Trans Name:	Not reported
TSDF Alt EPA ID:	CAT080033681
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	Not reported
Meth Code:	D80 - Disposal, Land Fill
Quantity Tons:	5.85
Waste Quantity:	11700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20001218
Creation Date:	3/22/2001 0:00:00
Receipt Date:	20001218
Manifest ID:	20109123
Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported

LEMCO CORPORATION (Continued) **S113169841**

Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.9
Waste Quantity:	1800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20001218
Creation Date:	3/22/2001 0:00:00
Receipt Date:	20001218
Manifest ID:	20109123
Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.9
Waste Quantity:	1800
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20001218
Creation Date:	3/22/2001 0:00:00
Receipt Date:	20001218
Manifest ID:	20109123
Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	R01 - Recycler
Quantity Tons:	0.125

LEMCO CORPORATION (Continued) **S113169841**

Waste Quantity:	250
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2001
Gen EPA ID:	CAP000007619
Shipment Date:	20010222
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20106581
Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010222
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20106581
Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

LEMCO CORPORATION (Continued) **S113169841**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010222
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20106581
Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010222
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20106581
Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0
Waste Quantity:	125
Quantity Unit:	*
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010222
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20106581
Trans EPA ID:	CAD983668583
Trans Name:	Not reported

LEMCO CORPORATION (Continued) **S113169841**

Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010222
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20106581
Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20010222
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20106581
Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H01 - Transfer Station

LEMCO CORPORATION (Continued) **S113169841**

Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010222
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20106581
Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20010222
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20106581
Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

LEMCO CORPORATION (Continued) **S113169841**

Shipment Date:	20010222
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	20106581
Trans EPA ID:	CAD983668583
Trans Name:	Not reported
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD028409019
Trans Name:	Not reported
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	Not reported
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	LEMCO CORPORATION
Address:	802 E 61ST ST
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 900010000
EPA ID:	CAP000007619
Inactive Date:	09/11/2001
Create Date:	04/17/2001
Last Act Date:	09/11/2001
Mailing Name:	Not reported
Mailing Address:	10680 SILICON AVE
Mailing Address 2:	Not reported
Mailing City,State,Zip:	MONTCLAIR, CA 917630000
Owner Name:	LEMCO CORPORATION
Owner Address:	10680 SILICON AVE
Owner Address 2:	Not reported
Owner City,State,Zip:	MONTCLAIR, CA 917630000
Contact Name:	SHANNON GRIEGO
Contact Address:	10680 SILICON AVE
Contact Address 2:	Not reported
City,State,Zip:	MONTCLAIR, CA 917630000

V118 **OVAL SOUP CLEANERS** **ENVIROSTOR** **S112057183**
South **724/728 EAST 61ST STREET** **N/A**
1/2-1 **LOS ANGELES, CA 90001**
0.926 mi.
4889 ft. **Site 3 of 3 in cluster V**

Relative:
Lower

Actual:
164 ft.

ENVIROSTOR:

Name:	OVAL SOUP CLEANERS
Address:	724/728 EAST 61ST STREET
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	60001698

OVAL SOUP CLEANERS (Continued) **S112057183**

Status:	Refer: EPA
Status Date:	05/13/1999
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	52
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98440
Longitude:	-118.2620
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	Lead Cadmium and compounds
Confirmed COC:	Lead Cadmium and compounds
Potential Description:	NONE SPECIFIED
Alias Name:	60001698
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	05/13/1999
Comments:	Not reported

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

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119 South 1/2-1 0.929 mi. 4905 ft.

FLINT INK CORPORATION
6100 AVALON BOULEVARD
LOS ANGELES, CA 90003

ENVIROSTOR **S101480654**
N/A

Relative: Lower

Actual: 162 ft.

ENVIROSTOR:

Name:	FLINT INK CORPORATION
Address:	6100 AVALON BOULEVARD
City,State,Zip:	LOS ANGELES, CA 90003
Facility ID:	19280969
Status:	Refer: RCRA
Status Date:	07/24/1995

FLINT INK CORPORATION (Continued) **S101480654**

Site Code: Not reported
Site Type: Historical
Site Type Detailed: * Historical
Acres: Not reported
NPL: NO
Regulatory Agencies: NONE SPECIFIED
Lead Agency: NONE SPECIFIED
Program Manager: Not reported
Supervisor: * Mmonroy
Division Branch: Cleanup Chatsworth
Assembly: 59
Senate: 30
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not reported
Latitude: 33.98422
Longitude: -118.2648
APN: 6007009001
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: CLARK LITHOGRAPH INC
Alias Type: Alternate Name
Alias Name: HOWARD FLINT INK COMPANY
Alias Type: Alternate Name
Alias Name: 6007009001
Alias Type: APN
Alias Name: CAD008330185
Alias Type: EPA Identification Number
Alias Name: 110000861489
Alias Type: EPA (FRS #)
Alias Name: 19280969
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 10/08/1982
Comments: FACILITY IDENTIFIED L.A. CHAM OF COMM BUS DIR 1966

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 02/05/1988
Comments: SITE SCREENING DONE PA MED DUE TO LACK OF INFO.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

120 SW 1/2-1 0.937 mi. 4945 ft.

SOUTH REGION ELEMENTARY SCHOOL #6, AREA 15 5640062
125 58TH PLACE
LOS ANGELES, CA 90003

ENVIROSTOR
SCH
CERS

S108407571
N/A

Relative: Lower

Actual: 156 ft.

ENVIROSTOR:

Name:	SOUTH REGION ELEMENTARY SCHOOL #6, AREA 15 5640062
Address:	125 58TH PLACE
City,State,Zip:	LOS ANGELES, CA 90003
Facility ID:	60000520
Status:	Certified
Status Date:	09/23/2009
Site Code:	304553
Site Type:	School Cleanup
Site Type Detailed:	School
Acres:	6
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	59
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.98796
Longitude:	-118.2748
APN:	6005-010-006, 6005-010-007, 6005-010-008, 6005-010-009, 6005-010-010, 6005-010-011, 6005-010-012, 6005-010-013, 6005-010-014, 6005-010-015, 6005-010-016, 6005-010-017, 6005-010-018, 6005-010-019, 6005-010-020, 6005-010-021, 6005-010-022, 6005-010-023, 6005-010-024, 6005-010-025, 6005-011-006, 6005-011-007, 6005-011-008, 6005-011-009, 6005-011-010, 6005-011-011, 6005-011-012, 6005-011-013, 6005-011-014, 6005-011-015, 6005-011-016, 6005-011-017, 6005-011-018, 6005-011-020, 6005-011-021, 6005-011-022, 6005-011-023, 6005-011-024, 6005-011-025, 6005-011-026, 6005-011-027, 6005-011-028, 6005-011-029, 6005-011-030, 6005-011-031, 6005010009, 6005010010, 6005010011, 6005010012, 6005010015, 6005010016, 6005010017, 6005010018, 6005010019, 6005010020, 6005010025, 6005011009, 6005011010, 6005011012, 6005011013, 6005011014, 6005011015, 6005011016, 6005011017
Past Use:	DRY CLEANING, LAUNDRY SERVICES, MACHINE SHOP, MANUFACTURING - LUMBER/WOOD PRODUCTS, MANUFACTURING - METAL, MANUFACTURING - OTHER, METAL FINISHING, PHOTOGRAPHIC PROCESSING, RESIDENTIAL AREA, RETAIL - SERVICE STATION
Potential COC:	Arsenic Benzene Chlordane DDD DDE DDT Lead Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE TPH-diesel TPH-gas TPH-MOTOR OIL Trichloroethylene (TCE Dieldrin Heptachlor Heptachlor epoxide Xylenes
Confirmed COC:	Arsenic Benzene Chlordane Dieldrin Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE TPH-diesel TPH-gas Heptachlor epoxide 3002502-NO Xylenes 30018-NO Trichloroethylene (TCE Heptachlor Lead DDD DDE DDT
Potential Description:	IA, SOIL, SV
Alias Name:	Juanita Tate ES
Alias Type:	Alternate Name

SOUTH REGION ELEMENTARY SCHOOL #6, AREA 15 5640062 (Continued) **S108407571**

Alias Name:	6005-010-006
Alias Type:	APN
Alias Name:	6005-010-007
Alias Type:	APN
Alias Name:	6005-010-008
Alias Type:	APN
Alias Name:	6005-010-009
Alias Type:	APN
Alias Name:	6005-010-010
Alias Type:	APN
Alias Name:	6005-010-011
Alias Type:	APN
Alias Name:	6005-010-012
Alias Type:	APN
Alias Name:	6005-010-013
Alias Type:	APN
Alias Name:	6005-010-014
Alias Type:	APN
Alias Name:	6005-010-015
Alias Type:	APN
Alias Name:	6005-010-016
Alias Type:	APN
Alias Name:	6005-010-017
Alias Type:	APN
Alias Name:	6005-010-018
Alias Type:	APN
Alias Name:	6005-010-019
Alias Type:	APN
Alias Name:	6005-010-020
Alias Type:	APN
Alias Name:	6005-010-021
Alias Type:	APN
Alias Name:	6005-010-022
Alias Type:	APN
Alias Name:	6005-010-023
Alias Type:	APN
Alias Name:	6005-010-024
Alias Type:	APN
Alias Name:	6005-010-025
Alias Type:	APN
Alias Name:	6005-011-006
Alias Type:	APN
Alias Name:	6005-011-007
Alias Type:	APN
Alias Name:	6005-011-008
Alias Type:	APN
Alias Name:	6005-011-009
Alias Type:	APN
Alias Name:	6005-011-010
Alias Type:	APN
Alias Name:	6005-011-011
Alias Type:	APN
Alias Name:	6005-011-012
Alias Type:	APN
Alias Name:	6005-011-013
Alias Type:	APN
Alias Name:	6005-011-014

SOUTH REGION ELEMENTARY SCHOOL #6, AREA 15 5640062 (Continued) **S108407571**

Alias Type:	APN
Alias Name:	6005-011-015
Alias Type:	APN
Alias Name:	6005-011-016
Alias Type:	APN
Alias Name:	6005-011-017
Alias Type:	APN
Alias Name:	6005-011-018
Alias Type:	APN
Alias Name:	6005-011-020
Alias Type:	APN
Alias Name:	6005-011-021
Alias Type:	APN
Alias Name:	6005-011-022
Alias Type:	APN
Alias Name:	6005-011-023
Alias Type:	APN
Alias Name:	6005-011-024
Alias Type:	APN
Alias Name:	6005-011-025
Alias Type:	APN
Alias Name:	6005-011-026
Alias Type:	APN
Alias Name:	6005-011-027
Alias Type:	APN
Alias Name:	6005-011-028
Alias Type:	APN
Alias Name:	6005-011-029
Alias Type:	APN
Alias Name:	6005-011-030
Alias Type:	APN
Alias Name:	6005-011-031
Alias Type:	APN
Alias Name:	6005010009
Alias Type:	APN
Alias Name:	6005010010
Alias Type:	APN
Alias Name:	6005010011
Alias Type:	APN
Alias Name:	6005010012
Alias Type:	APN
Alias Name:	6005010015
Alias Type:	APN
Alias Name:	6005010016
Alias Type:	APN
Alias Name:	6005010017
Alias Type:	APN
Alias Name:	6005010018
Alias Type:	APN
Alias Name:	6005010019
Alias Type:	APN
Alias Name:	6005010020
Alias Type:	APN
Alias Name:	6005010025
Alias Type:	APN
Alias Name:	6005011009
Alias Type:	APN

SOUTH REGION ELEMENTARY SCHOOL #6, AREA 15 5640062 (Continued) **S108407571**

Alias Name: 6005011010
Alias Type: APN
Alias Name: 6005011012
Alias Type: APN
Alias Name: 6005011013
Alias Type: APN
Alias Name: 6005011014
Alias Type: APN
Alias Name: 6005011015
Alias Type: APN
Alias Name: 6005011016
Alias Type: APN
Alias Name: 6005011017
Alias Type: APN
Alias Name: 110033616727
Alias Type: EPA (FRS #)
Alias Name: 304553
Alias Type: Project Code (Site Code)
Alias Name: 60000520
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 07/09/2008
Comments: DTSC signed Form 4.15 in response to District's request

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo
Completed Date: 11/17/2008
Comments: DTSC concurred that shallow soils have been remediated to the RAP cleanup goals and LAUSD may proceed with the deeper excavation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 03/05/2009
Comments: DTSC approved the removal action completion report for operable unit 1A with a no further action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/15/2009
Comments: UST closure report submitted for the DTSC record

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 04/30/2009
Comments: DTSC approved the Removal Action Completion Report with a No Further Action determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report

SOUTH REGION ELEMENTARY SCHOOL #6, AREA 15 5640062 (Continued) **S108407571**

Completed Date:	09/08/2009
Comments:	DTSC approved the revised Removal Action Completion Report with a No Further Action determination
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	05/01/2007
Comments:	DTSC concurred with the scoping document
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	01/06/2007
Comments:	Accepted for background information
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	10/01/2007
Comments:	DTSC determined that "No Further Action" is necessary based on the Preliminary Environmental Assessment Report
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	*Correspondence - Received
Completed Date:	08/16/2007
Comments:	Letter to Concerned Citizens of South Central Los Angeles requesting Interim Measure at soccer field
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Plan
Completed Date:	08/20/2008
Comments:	DTSC approved the Remedial Action Plan
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Design/Implementation Workplan
Completed Date:	10/23/2008
Comments:	DTSC approved the Remedial Design Document for implementation
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Certification
Completed Date:	09/17/2009
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Correspondence
Completed Date:	08/26/2009
Comments:	DTSC notified the Los Angeles Regional Water Quality Control Board of potential release of petroleum hydrocarbons and volatile organic compounds from the ExxonMobil pipeline M-5 near the proposed South Region Elementary School #6, Site 15.

SOUTH REGION ELEMENTARY SCHOOL #6, AREA 15 5640062 (Continued) **S108407571**

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	CEQA - Initial Study/ Neg. Declaration
Completed Date:	08/20/2008
Comments:	DTSC finalized the Initial Study

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	School Cleanup Agreement
Completed Date:	07/23/2008
Comments:	Not reported

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	09/09/2009
Comments:	DTSC prepared a project close out Cost Recovery Unit memorandum

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Name:	SOUTH REGION ELEMENTARY SCHOOL #6, AREA 15 5640062
Address:	125 58TH PLACE
City,State,Zip:	LOS ANGELES, CA 90003
Facility ID:	60000520
Site Type:	School Cleanup
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	6
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Shahir Haddad
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	304553
Assembly:	59
Senate:	30
Special Program Status:	Not reported
Status:	Certified
Status Date:	09/23/2009
Restricted Use:	NO
Funding:	School District
Latitude:	33.98796
Longitude:	-118.2748
APN:	6005-010-006, 6005-010-007, 6005-010-008, 6005-010-009, 6005-010-010, 6005-010-011, 6005-010-012, 6005-010-013, 6005-010-014, 6005-010-015,

SOUTH REGION ELEMENTARY SCHOOL #6, AREA 15 5640062 (Continued) **S108407571**

6005-010-016, 6005-010-017, 6005-010-018, 6005-010-019, 6005-010-020, 6005-010-021, 6005-010-022, 6005-010-023, 6005-010-024, 6005-010-025, 6005-011-006, 6005-011-007, 6005-011-008, 6005-011-009, 6005-011-010, 6005-011-011, 6005-011-012, 6005-011-013, 6005-011-014, 6005-011-015, 6005-011-016, 6005-011-017, 6005-011-018, 6005-011-020, 6005-011-021, 6005-011-022, 6005-011-023, 6005-011-024, 6005-011-025, 6005-011-026, 6005-011-027, 6005-011-028, 6005-011-029, 6005-011-030, 6005-011-031, 6005010009, 6005010010, 6005010011, 6005010012, 6005010015, 6005010016, 6005010017, 6005010018, 6005010019, 6005010020, 6005010025, 6005011009, 6005011010, 6005011012, 6005011013, 6005011014, 6005011015, 6005011016, 6005011017

Past Use: DRY CLEANING, LAUNDRY SERVICES, MACHINE SHOP, MANUFACTURING - LUMBER/WOOD PRODUCTS, MANUFACTURING - METAL, MANUFACTURING - OTHER, METAL FINISHING, PHOTOGRAPHIC PROCESSING, RESIDENTIAL AREA, RETAIL - SERVICE STATION

Potential COC: Arsenic, Benzene, Chlordane, DDD, DDE, DDT, Lead, Polychlorinated biphenyls (PCBs, Polynuclear aromatic hydrocarbons (PAHs, Tetrachloroethylene (PCE, TPH-diesel, TPH-gas, TPH-MOTOR OIL, Trichloroethylene (TCE, Dieldrin, Heptachlor, Heptachlor epoxide, Xylenes

Confirmed COC: Arsenic, Benzene, Chlordane, Dieldrin, Polynuclear aromatic hydrocarbons (PAHs, Tetrachloroethylene (PCE, TPH-diesel, TPH-gas, Heptachlor epoxide, 3002502-NO, Xylenes, 30018-NO, Trichloroethylene (TCE, Heptachlor, Lead, DDD, DDE, DDT

Potential Description: IA, SOIL, SV

Alias Name: Juanita Tate ES
Alias Type: Alternate Name
Alias Name: 6005-010-006
Alias Type: APN
Alias Name: 6005-010-007
Alias Type: APN
Alias Name: 6005-010-008
Alias Type: APN
Alias Name: 6005-010-009
Alias Type: APN
Alias Name: 6005-010-010
Alias Type: APN
Alias Name: 6005-010-011
Alias Type: APN
Alias Name: 6005-010-012
Alias Type: APN
Alias Name: 6005-010-013
Alias Type: APN
Alias Name: 6005-010-014
Alias Type: APN
Alias Name: 6005-010-015
Alias Type: APN
Alias Name: 6005-010-016
Alias Type: APN
Alias Name: 6005-010-017
Alias Type: APN
Alias Name: 6005-010-018
Alias Type: APN
Alias Name: 6005-010-019
Alias Type: APN
Alias Name: 6005-010-020
Alias Type: APN

SOUTH REGION ELEMENTARY SCHOOL #6, AREA 15 5640062 (Continued) **S108407571**

Alias Name:	6005-010-021
Alias Type:	APN
Alias Name:	6005-010-022
Alias Type:	APN
Alias Name:	6005-010-023
Alias Type:	APN
Alias Name:	6005-010-024
Alias Type:	APN
Alias Name:	6005-010-025
Alias Type:	APN
Alias Name:	6005-011-006
Alias Type:	APN
Alias Name:	6005-011-007
Alias Type:	APN
Alias Name:	6005-011-008
Alias Type:	APN
Alias Name:	6005-011-009
Alias Type:	APN
Alias Name:	6005-011-010
Alias Type:	APN
Alias Name:	6005-011-011
Alias Type:	APN
Alias Name:	6005-011-012
Alias Type:	APN
Alias Name:	6005-011-013
Alias Type:	APN
Alias Name:	6005-011-014
Alias Type:	APN
Alias Name:	6005-011-015
Alias Type:	APN
Alias Name:	6005-011-016
Alias Type:	APN
Alias Name:	6005-011-017
Alias Type:	APN
Alias Name:	6005-011-018
Alias Type:	APN
Alias Name:	6005-011-020
Alias Type:	APN
Alias Name:	6005-011-021
Alias Type:	APN
Alias Name:	6005-011-022
Alias Type:	APN
Alias Name:	6005-011-023
Alias Type:	APN
Alias Name:	6005-011-024
Alias Type:	APN
Alias Name:	6005-011-025
Alias Type:	APN
Alias Name:	6005-011-026
Alias Type:	APN
Alias Name:	6005-011-027
Alias Type:	APN
Alias Name:	6005-011-028
Alias Type:	APN
Alias Name:	6005-011-029
Alias Type:	APN
Alias Name:	6005-011-030

SOUTH REGION ELEMENTARY SCHOOL #6, AREA 15 5640062 (Continued) **S108407571**

Alias Type: APN
Alias Name: 6005-011-031
Alias Type: APN
Alias Name: 6005010009
Alias Type: APN
Alias Name: 6005010010
Alias Type: APN
Alias Name: 6005010011
Alias Type: APN
Alias Name: 6005010012
Alias Type: APN
Alias Name: 6005010015
Alias Type: APN
Alias Name: 6005010016
Alias Type: APN
Alias Name: 6005010017
Alias Type: APN
Alias Name: 6005010018
Alias Type: APN
Alias Name: 6005010019
Alias Type: APN
Alias Name: 6005010020
Alias Type: APN
Alias Name: 6005010025
Alias Type: APN
Alias Name: 6005011009
Alias Type: APN
Alias Name: 6005011010
Alias Type: APN
Alias Name: 6005011012
Alias Type: APN
Alias Name: 6005011013
Alias Type: APN
Alias Name: 6005011014
Alias Type: APN
Alias Name: 6005011015
Alias Type: APN
Alias Name: 6005011016
Alias Type: APN
Alias Name: 6005011017
Alias Type: APN
Alias Name: 110033616727
Alias Type: EPA (FRS #)
Alias Name: 304553
Alias Type: Project Code (Site Code)
Alias Name: 60000520
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 4.15 Request
Completed Date: 07/09/2008
Comments: DTSC signed Form 4.15 in response to District's request

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Supplemental Site Investigation Tech Memo

SOUTH REGION ELEMENTARY SCHOOL #6, AREA 15 5640062 (Continued) **S108407571**

Completed Date: 11/17/2008
Comments: DTSC concurred that shallow soils have been remediated to the RAP cleanup goals and LAUSD may proceed with the deeper excavation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 03/05/2009
Comments: DTSC approved the removal action completion report for operable unit 1A with a no further action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/15/2009
Comments: UST closure report submitted for the DTSC record

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 04/30/2009
Comments: DTSC approved the Removal Action Completion Report with a No Further Action determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 09/08/2009
Comments: DTSC approved the revised Removal Action Completion Report with a No Further Action determination

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 05/01/2007
Comments: DTSC concurred with the scoping document

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/06/2007
Comments: Accepted for background information

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 10/01/2007
Comments: DTSC determined that "No Further Action" is necessary based on the Preliminary Environmental Assessment Report

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Correspondence - Received
Completed Date: 08/16/2007
Comments: Letter to Concerned Citizens of South Central Los Angeles requesting Interim Measure at soccer field

SOUTH REGION ELEMENTARY SCHOOL #6, AREA 15 5640062 (Continued) **S108407571**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 08/20/2008
Comments: DTSC approved the Remedial Action Plan

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 10/23/2008
Comments: DTSC approved the Remedial Design Document for implementation

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 09/17/2009
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/26/2009
Comments: DTSC notified the Los Angeles Regional Water Quality Control Board of potential release of petroleum hydrocarbons and volatile organic compounds from the ExxonMobil pipeline M-5 near the proposed South Region Elementary School #6, Site 15.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 08/20/2008
Comments: DTSC finalized the Initial Study

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: School Cleanup Agreement
Completed Date: 07/23/2008
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/09/2009
Comments: DTSC prepared a project close out Cost Recovery Unit memorandum

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CERS:
Name: SOUTH REGION ELEMENT

SOUTH REGION ELEMENTARY SCHOOL #6, AREA 15 5640062 (Continued) **S108407571**

Address: 125 58TH PLACE
City,State,Zip: LOS ANGELES, CA 90003
Site ID: 343285
CERS ID: 60000520
CERS Description: School Cleanup

Affiliation:
Affiliation Type Desc: Lead Project Manager
Entity Name: IVY OSORNIO
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Supervisor
Entity Name: SHAHIR HADDAD
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Y121 **PACIFIC PRINTING IND** **RCRA-SQG 1000339665**
South **707 E 62ND ST** **ENVIROSTOR CAD093374601**
1/2-1 **LOS ANGELES, CA 90001** **FINDS**
0.983 mi. **ECHO**
5188 ft. **Site 1 of 2 in cluster Y** **EMI**
HAZNET
Relative: Lower **HAZMAT**
CERS
Actual: 162 ft. **HWTS**

RCRA-SQG:
Date Form Received by Agency: 19970402
Handler Name: PACIFIC PRINTING IND
Handler Address: 707 E 62ND ST
Handler City,State,Zip: LOS ANGELES, CA 90001
EPA ID: CAD093374601
Contact Name: MARIO DONOVAN
Contact Address: 707 E SIXTY SECOND ST
Contact City,State,Zip: LOS ANGELES, CA 90001
Contact Telephone: 213-235-4011
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities

PACIFIC PRINTING IND (Continued) **1000339665**

State District Owner:	CA
State District:	3
Mailing Address:	707 E 62ND ST
Mailing City,State,Zip:	LOS ANGELES, CA 90001
Owner Name:	PACIFIC PRINTING IND
Owner Type:	Private
Operator Name:	Not reported
Operator Type:	Not reported
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	20020627
Recognized Trader-Importer:	No

PACIFIC PRINTING IND (Continued) **1000339665**

Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name:	NOT REQUIRED
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	NOT REQUIRED
Owner/Operator City,State,Zip:	NOT REQUIRED, ME 99999
Owner/Operator Telephone:	415-555-1212
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name:	PACIFIC PRINTING IND
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	707 E 62ND ST
Owner/Operator City,State,Zip:	LOS ANGELES, CA 90001
Owner/Operator Telephone:	213-235-4011
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960901
Handler Name: PACIFIC PRINTING IND	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	No
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

Receive Date:	19970402
Handler Name: PACIFIC PRINTING IND	
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	CA
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No

PACIFIC PRINTING IND (Continued) **1000339665**

Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 32591
NAICS Description: PRINTING INK MANUFACTURING

Facility Has Received Notices of Violation:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: State
Violation Short Description: Generators - General
Date Violation was Determined: 19880819
Actual Return to Compliance Date: 19890101
Return to Compliance Qualifier: Unverifiable
Violation Responsible Agency: State
Scheduled Compliance Date: Not reported
Enforcement Identifier: Not reported

PACIFIC PRINTING IND (Continued) **1000339665**

Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	19880819
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19880819
Evaluation Responsible Agency:	State
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	19890101
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

PACIFIC PRINTING IND (Continued) **1000339665**

ENVIROSTOR:

Name:	INMONT CORPORATION
Address:	707 EAST 62ND STREET
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	60002412
Status:	Refer: EPA
Status Date:	10/30/2018
Site Code:	301771
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Folashade Simpson
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth
Assembly:	, 59
Senate:	, 30
Special Program:	EPA - PASI
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98354
Longitude:	-118.2627
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAN000904196
Alias Type:	EPA Identification Number
Alias Name:	301771
Alias Type:	Project Code (Site Code)
Alias Name:	60002412
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	PA/SI Site Screening
Completed Date:	05/25/2017
Comments:	2017 PASI report: "Site does not appear to be a significant source of the constituents in the nearest impacted drinking water well, with the exception of TCE. Other planned investigation in the area may indicate that this site should be revisited, but at this point in time, (US) EPA will not conduct further assessment at the site." Final Site Status: Not a Valid Site
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported

PACIFIC PRINTING IND (Continued) **1000339665**

Schedule Revised Date: Not reported

FINDS:
Registry ID: 110002664073

Click Here:

Environmental Interest/Information System:
AIR EMISSIONS CLASSIFICATION UNKNOWN
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.
SUPERFUND (NON-NPL)

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000339665
Registry ID:	110002664073
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002664073
Name:	PACIFIC PRINTING INDUSTRIES
Address:	707 E 62ND ST
City,State,Zip:	LOS ANGELES, CA 90001

EMI:

Name:	PACIFIC PRINTING IND
Address:	707 E 62ND ST
City,State,Zip:	LOS ANGELES, CA 90001
Year:	1990
County Code:	19
Air Basin:	SC
Facility ID:	46758
Air District Name:	SC
SIC Code:	2752
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	5
Reactive Organic Gases Tons/Yr:	5
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PACIFIC PRINTING IND
Address:	707 E 62ND ST
City,State,Zip:	LOS ANGELES, CA 90001
Year:	1995
County Code:	19
Air Basin:	SC
Facility ID:	46758
Air District Name:	SC

PACIFIC PRINTING IND (Continued) **1000339665**

SIC Code:	2752
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	8
Reactive Organic Gases Tons/Yr:	8
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PACIFIC PRINTING IND
Address:	707 E 62ND ST
City,State,Zip:	LOS ANGELES, CA 90001
Year:	1996
County Code:	19
Air Basin:	SC
Facility ID:	46758
Air District Name:	SC
SIC Code:	2752
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PACIFIC PRINTING IND
Address:	707 E 62ND ST
City,State,Zip:	LOS ANGELES, CA 90001
Year:	1997
County Code:	19
Air Basin:	SC
Facility ID:	46758
Air District Name:	SC
SIC Code:	2752
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PACIFIC PRINTING IND
Address:	707 E 62ND ST
City,State,Zip:	LOS ANGELES, CA 90001
Year:	1998
County Code:	19

PACIFIC PRINTING IND (Continued) **1000339665**

Air Basin:	SC
Facility ID:	46758
Air District Name:	SC
SIC Code:	2752
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PACIFIC PRINTING IND
Address:	707 E 62ND ST
City,State,Zip:	LOS ANGELES, CA 90001
Year:	1999
County Code:	19
Air Basin:	SC
Facility ID:	46758
Air District Name:	SC
SIC Code:	2752
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PACIFIC PRINTING IND
Address:	707 E 62ND ST
City,State,Zip:	LOS ANGELES, CA 90001
Year:	2000
County Code:	19
Air Basin:	SC
Facility ID:	46758
Air District Name:	SC
SIC Code:	2752
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	2
Reactive Organic Gases Tons/Yr:	2
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

Name:	PACIFIC PRINTING IND
Address:	707 E 62ND ST

PACIFIC PRINTING IND (Continued) **1000339665**

City,State,Zip:	LOS ANGELES, CA 90001
Year:	2001
County Code:	19
Air Basin:	SC
Facility ID:	46758
Air District Name:	SC
SIC Code:	2752
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1
Reactive Organic Gases Tons/Yr:	1
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers and Smllr Tons/Yr:	0

HAZNET:

Name:	AG2 EQUITIES LLC
Address:	707 E. 62ND STREET
Address 2:	Not reported
City,State,Zip:	LOS ANGELES, CA 90003
Contact:	FREDDY BADALIAN
Telephone:	2137455191
Mailing Name:	Not reported
Mailing Address:	888 S. FIGUEROA STREET # 1900
Year:	2016
Gepaid:	CAC002886407
TSD EPA ID:	AZR000501510
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	9.8708
Year:	2016
Gepaid:	CAC002886407
TSD EPA ID:	AZR000501510
CA Waste Code:	135 - Unspecified aqueous solution
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	1.155

LOS ANGELES HM:

Name:	PACIFIC PRINTING INDUSTRIES
Address:	707 E 62ND ST
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	FA0000556
Last Run Date:	04/19/2021
Status:	INACTIVE

CERS:

Name:	PACIFIC PRINTING IND
Address:	707 E 62ND ST

PACIFIC PRINTING IND (Continued) **1000339665**

City,State,Zip: LOS ANGELES, CA 90001
Site ID: 485654
CERS ID: 110002664073
CERS Description: US EPA Air Emission Inventory System (EIS)

Affiliation:
Affiliation Type Desc: Environmental Contact
Entity Name: MARIO DONOVAN
Entity Title: Not reported
Affiliation Address: 707 E 62ND ST
Affiliation City: LOSANGELES
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

HWTS:
Name: AG2 EQUITIES LLC
Address: 707 E. 62ND STREET
Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90003
EPA ID: CAC002886407
Inactive Date: 02/17/2017
Create Date: 11/17/2016
Last Act Date: 02/17/2017
Mailing Name: Not reported
Mailing Address: 888 S. FIGUEROA STREET # 1900
Mailing Address 2: Not reported
Mailing City,State,Zip: LOS ANGELES, CA 90017
Owner Name: AG2 EQUITIES LLC
Owner Address: 888 S. FIGUEROA STREET # 1900
Owner Address 2: Not reported
Owner City,State,Zip: LOS ANGELES, CA 90017
Contact Name: FREDDY BADALIAN
Contact Address: 888 S. FIGUEROA STREET # 1900
Contact Address 2: Not reported
City,State,Zip: LOS ANGELES, CA 90017

Y122 **PACIFIC PRINTING INDUSTRIES** **ENVIROSTOR** **S112057180**
South **701/707 EAST 62ND STREET** **N/A**
1/2-1 **LOS ANGELES, CA 90001**
0.986 mi.
5205 ft. **Site 2 of 2 in cluster Y**

Relative:
Lower

Actual:
162 ft.

ENVIROSTOR:
Name: PACIFIC PRINTING INDUSTRIES
Address: 701/707 EAST 62ND STREET
City,State,Zip: LOS ANGELES, CA 90001
Facility ID: 60001693
Status: Refer: EPA
Status Date: 06/14/1999
Site Code: Not reported
Site Type: Evaluation
Site Type Detailed: Evaluation
Acres: 0
NPL: NO
Regulatory Agencies: US EPA

PACIFIC PRINTING INDUSTRIES (Continued) **S112057180**

Lead Agency:	US EPA
Program Manager:	Not reported
Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	52
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98325
Longitude:	-118.2627
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	Tetrachloroethylene (PCE Trichloroethylene (TCE Zinc
Confirmed COC:	Tetrachloroethylene (PCE Zinc Trichloroethylene (TCE
Potential Description:	NONE SPECIFIED
Alias Name:	60001693
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	06/14/1999
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

123
SSW
1/2-1
0.991 mi.
5231 ft.

ESPINOZA PROPERTY **ENVIROSTOR** **S112057199**
308 EAST 61ST STREET **N/A**
LOS ANGELES, CA 90003

Relative:
Lower

Actual:
156 ft.

ENVIROSTOR:

Name:	ESPINOZA PROPERTY
Address:	308 EAST 61ST STREET
City,State,Zip:	LOS ANGELES, CA 90003
Facility ID:	60001729
Status:	Refer: EPA
Status Date:	06/15/1999
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	0
NPL:	NO
Regulatory Agencies:	US EPA
Lead Agency:	US EPA
Program Manager:	Joseph Cully

ESPINOZA PROPERTY (Continued) **S112057199**

Supervisor:	Douglas Bautista
Division Branch:	Cleanup Cypress
Assembly:	52
Senate:	30
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	EPA Grant
Latitude:	33.98426
Longitude:	-118.2690
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	No Contaminants found
Potential Description:	NONE SPECIFIED
Alias Name:	60001729
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Screening
Completed Date:	06/18/1999
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

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124 **AMERICAN SUPERIOR VINTAGE** **ENVIROSTOR** **S109821394**
SSE **1001 EAST 62ND STREET** **N/A**
1/2-1 **LOS ANGELES, CA 90001**
0.998 mi.
5270 ft.

Relative:
Lower

Actual:
164 ft.

ENVIROSTOR:

Name:	AMERICAN SUPERIOR VINTAGE
Address:	1001 EAST 62ND STREET
City,State,Zip:	LOS ANGELES, CA 90001
Facility ID:	60001122
Status:	Inactive - Action Required
Status Date:	04/09/2013
Site Code:	Not reported
Site Type:	Evaluation
Site Type Detailed:	Evaluation
Acres:	1
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Cleanup Chatsworth

AMERICAN SUPERIOR VINTAGE (Continued) **S109821394**

Assembly: 59
Senate: 30
Special Program: EPA - PASI
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Not Applicable
Latitude: 33.98338
Longitude: -118.2576
APN: NONE SPECIFIED
Past Use: RECYCLING - OTHER
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: Jet Rag
Alias Type: Alternate Name
Alias Name: CAL000283467
Alias Type: EPA Identification Number
Alias Name: 110002903163
Alias Type: EPA (FRS #)
Alias Name: 60001122
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: PA/SI Site Screening
Completed Date: 06/30/2009
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LOS ANGELES	S108723965		VACANT LOT BEHIND 6515 S MCKIN	90001	CDL

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: N/A
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 07/12/2021
Date Data Arrived at EDR: 08/06/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 77

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/08/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/18/2021
Next Scheduled EDR Contact: 03/06/2022
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/19/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/21/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 85

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 07/22/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 07/22/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/09/2021
Date Data Arrived at EDR: 08/10/2021
Date Made Active in Reports: 11/05/2021
Number of Days to Update: 87

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 11/09/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29
Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/30/2021
Number of Days to Update: 84
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 08/18/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/03/2021
Number of Days to Update: 86

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/06/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 06/01/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/28/2021
Date Data Arrived at EDR: 06/22/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 90

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 07/22/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/20/2021
Date Data Arrived at EDR: 09/21/2021
Date Made Active in Reports: 12/08/2021
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/10/2021
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 68

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 09/14/2021
Date Data Arrived at EDR: 11/11/2021
Date Made Active in Reports: 11/23/2021
Number of Days to Update: 12

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 10/28/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 07/22/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 07/15/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 10/19/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/18/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 77

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Quarterly

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 12/01/2019
Date Data Arrived at EDR: 08/19/2021
Date Made Active in Reports: 10/28/2021
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 12/10/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/01/2021
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing
Aboveground storage tank sites

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 10/31/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 07/15/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/19/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/25/2021
Date Data Arrived at EDR: 09/03/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80
Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/12/2021
Date Data Arrived at EDR: 09/13/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 15
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83
Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 10/19/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 08/10/2021
Date Data Arrived at EDR: 08/17/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 66

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/08/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/13/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/17/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82
Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 07/19/2021
Date Data Arrived at EDR: 07/19/2021
Date Made Active in Reports: 10/12/2021
Number of Days to Update: 85
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/20/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24
Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 7
Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/18/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35
Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 40
Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 12/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

PADS: PCB Activity Database System
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73
Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System
The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/29/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/18/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 09/27/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/26/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 07/16/2021
Number of Days to Update: 2

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 90

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/15/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 12/09/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 10/20/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 89

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 12/09/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/09/2021
Date Data Arrived at EDR: 08/24/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 87
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78
Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97
Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/14/2021
Date Data Arrived at EDR: 09/15/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 91
Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/05/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 08/17/2021
Number of Days to Update: 91
Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 11/22/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/07/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/26/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/28/2021
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 70

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/20/2021
Date Data Arrived at EDR: 09/21/2021
Date Made Active in Reports: 12/08/2021
Number of Days to Update: 78

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 11/19/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Annually

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 08/18/2021
Date Data Arrived at EDR: 08/23/2021
Date Made Active in Reports: 11/12/2021
Number of Days to Update: 81
Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 08/24/2021
Date Data Arrived at EDR: 08/25/2021
Date Made Active in Reports: 11/17/2021
Number of Days to Update: 84
Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

EMI: Emissions Inventory Data
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 06/10/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 78
Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/17/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/16/2021
Date Data Arrived at EDR: 04/20/2021
Date Made Active in Reports: 07/07/2021
Number of Days to Update: 78
Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/04/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 04/14/2021
Date Data Arrived at EDR: 04/15/2021
Date Made Active in Reports: 07/06/2021
Number of Days to Update: 82
Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 11/05/2021
Number of Days to Update: 84
Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 87

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 08/13/2021
Date Data Arrived at EDR: 08/13/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 87

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 07/01/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 85

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/10/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 07/27/2021
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/09/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/04/2021
Date Data Arrived at EDR: 06/04/2021
Date Made Active in Reports: 08/27/2021
Number of Days to Update: 84

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 11/29/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 03/12/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: No Update Planned

UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 06/03/2021
Date Data Arrived at EDR: 06/03/2021
Date Made Active in Reports: 08/25/2021
Number of Days to Update: 83

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/15/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing
In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 12/01/2021
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 07/15/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/19/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/07/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55
Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 07/13/2021
Date Data Arrived at EDR: 07/14/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 84
Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29
Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3
Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List
The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196
Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank
The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182
Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites
A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks
Underground storage tank sites located in Alameda county.

Date of Government Version: 09/30/2021
Date Data Arrived at EDR: 10/01/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 75
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/06/2021
Date Made Active in Reports: 09/17/2021
Number of Days to Update: 42
Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 09/30/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 07/20/2021
Date Data Arrived at EDR: 07/20/2021
Date Made Active in Reports: 10/11/2021
Number of Days to Update: 83

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 06/29/2021
Date Data Arrived at EDR: 07/23/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 77

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 08/03/2021
Date Made Active in Reports: 10/26/2021
Number of Days to Update: 84

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 04/09/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 09/17/2021
Number of Days to Update: 86

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/13/2021
Next Scheduled EDR Contact: 11/01/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 07/13/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 07/06/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 10/07/2021
Number of Days to Update: 56

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 07/06/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 08/18/2021
Number of Days to Update: 6

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 07/27/2021
Date Data Arrived at EDR: 07/28/2021
Date Made Active in Reports: 10/21/2021
Number of Days to Update: 85

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/06/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/08/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/09/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 81

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/16/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 02/04/2021
Date Data Arrived at EDR: 04/16/2021
Date Made Active in Reports: 04/21/2021
Number of Days to Update: 5

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 10/08/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 11

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/24/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 09/14/2021
Number of Days to Update: 89

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/24/2021
Next Scheduled EDR Contact: 01/03/2022
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 10/06/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 09/23/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/11/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 06/06/3021
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 06/24/2021
Number of Days to Update: 1

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 09/23/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 07/28/2021
Date Data Arrived at EDR: 07/28/2021
Date Made Active in Reports: 10/21/2021
Number of Days to Update: 85

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 07/09/2021
Date Data Arrived at EDR: 08/03/2021
Date Made Active in Reports: 10/26/2021
Number of Days to Update: 84

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/09/2021
Date Data Arrived at EDR: 08/03/2021
Date Made Active in Reports: 10/26/2021
Number of Days to Update: 84

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/09/2021
Date Data Arrived at EDR: 07/29/2021
Date Made Active in Reports: 10/19/2021
Number of Days to Update: 82

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 09/07/2021
Date Data Arrived at EDR: 09/09/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 81

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 09/29/2021
Date Data Arrived at EDR: 09/30/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 09/29/2021
Date Data Arrived at EDR: 09/30/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 76
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 03/28/2022
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 06/18/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 77
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 09/28/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 08/02/2021
Date Data Arrived at EDR: 08/04/2021
Date Made Active in Reports: 11/02/2021
Number of Days to Update: 90
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/01/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 07/27/2021
Date Data Arrived at EDR: 07/28/2021
Date Made Active in Reports: 10/21/2021
Number of Days to Update: 85
Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/11/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/30/2021
Date Data Arrived at EDR: 08/31/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 80

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 11/30/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 08/05/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 10/31/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/09/2021
Next Scheduled EDR Contact: 12/27/2021
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 08/10/2021
Date Data Arrived at EDR: 08/11/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 89

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/10/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/02/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 08/04/2021
Date Data Arrived at EDR: 08/05/2021
Date Made Active in Reports: 10/29/2021
Number of Days to Update: 85

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 11/18/2021
Next Scheduled EDR Contact: 02/27/2022
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 11/16/2021
Next Scheduled EDR Contact: 03/07/2022
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/11/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/14/2021
Next Scheduled EDR Contact: 04/04/2022
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 05/14/2021
Date Data Arrived at EDR: 05/17/2021
Date Made Active in Reports: 08/03/2021
Number of Days to Update: 78

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 10/06/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/23/2021
Date Data Arrived at EDR: 08/25/2021
Date Made Active in Reports: 11/17/2021
Number of Days to Update: 84

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 11/23/2021
Next Scheduled EDR Contact: 03/14/2022
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 12/08/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 07/14/2021
Date Data Arrived at EDR: 07/15/2021
Date Made Active in Reports: 10/06/2021
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/15/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 11/01/2021
Next Scheduled EDR Contact: 02/14/2022
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/14/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/19/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 81
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 10/18/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/23/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/05/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/19/2021
Date Made Active in Reports: 10/07/2021
Number of Days to Update: 80
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 10/18/2021
Next Scheduled EDR Contact: 01/31/2022
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 09/08/2021
Date Made Active in Reports: 11/29/2021
Number of Days to Update: 82
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/07/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 09/23/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/15/2021
Number of Days to Update: 78
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 09/23/2021
Next Scheduled EDR Contact: 01/10/2022
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 07/20/2021
Date Data Arrived at EDR: 07/20/2021
Date Made Active in Reports: 10/08/2021
Number of Days to Update: 80

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 10/22/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/23/2021
Date Data Arrived at EDR: 08/10/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 90

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/12/2021
Next Scheduled EDR Contact: 02/21/2022
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/05/2021
Next Scheduled EDR Contact: 01/17/2022
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/29/2021
Next Scheduled EDR Contact: 02/07/2022
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/07/2021
Next Scheduled EDR Contact: 01/24/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/29/2021
Next Scheduled EDR Contact: 02/28/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/06/2021
Next Scheduled EDR Contact: 03/21/2022
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

750 EAST 49TH STREET
750 EAST 49TH STREET
LOS ANGELES, CA 90011

TARGET PROPERTY COORDINATES

Latitude (North):	33.998102 - 33ˆ 59' 53.17''
Longitude (West):	118.262105 - 118ˆ 15' 43.58''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	383438.6
UTM Y (Meters):	3762469.0
Elevation:	181 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	11997950 INGLEWOOD, CA
Version Date:	2018
Northeast Map:	12021699 LOS ANGELES, CA
Version Date:	2018
Southeast Map:	11997976 SOUTH GATE, CA
Version Date:	2018
Northwest Map:	12021991 HOLLYWOOD, CA
Version Date:	2018

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

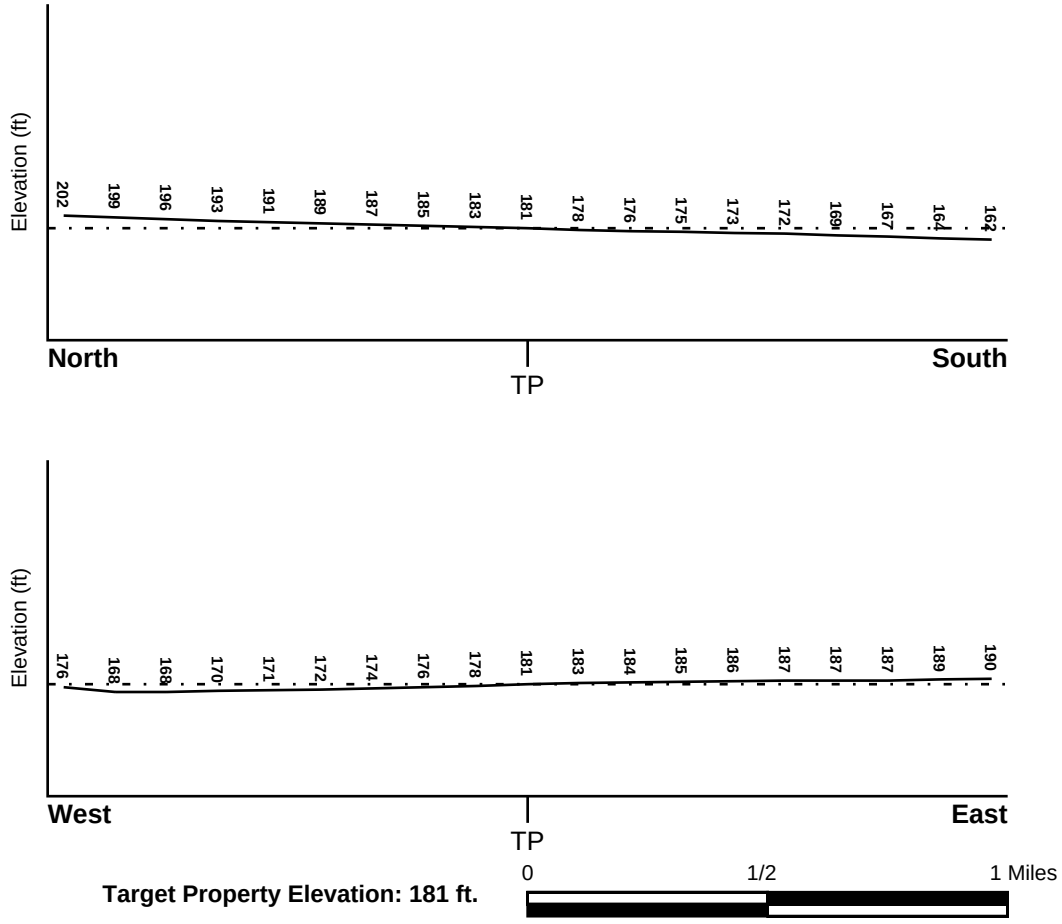
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 181 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06037C1785F	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
06037C1620F	FEMA FIRM Flood data
06037C1638F	FEMA FIRM Flood data
06037C1805F	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
INGLEWOOD	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
52	1/2 - 1 Mile North	Not Reported
1G	1/2 - 1 Mile North	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Surficial Soil Types:
loam
clay
silt loam
loamy sand
sandy loam
fine sand
clay loam
gravelly - sandy loam
coarse sand
gravelly - sand
sand

Shallow Soil Types:
fine sandy loam
gravelly - loam
sand
silty clay

Deeper Soil Types:
stratified
clay loam
silty clay loam
gravelly - sandy loam
coarse sand
sand
weathered bedrock
very fine sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A6	USGS40000139686	1/8 - 1/4 Mile West
A7	USGS40000139687	1/8 - 1/4 Mile West
A8	USGS40000139688	1/8 - 1/4 Mile West
A9	USGS40000139684	1/8 - 1/4 Mile West
A10	USGS40000139685	1/8 - 1/4 Mile West
53	USGS40000139554	1/2 - 1 Mile SSE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CAUSGSN00003047	1/8 - 1/4 Mile West
A2	CAUSGSN00013172	1/8 - 1/4 Mile West
A3	CAUSGSN00004716	1/8 - 1/4 Mile West
A4	CAUSGSN00005493	1/8 - 1/4 Mile West
A5	CAUSGSN00008460	1/8 - 1/4 Mile West
B11	CAEDF0000040601	1/4 - 1/2 Mile NNW
B12	CAEDF0000100860	1/4 - 1/2 Mile NNW
B13	CAEDF0000043091	1/4 - 1/2 Mile NNW
C14	CAEDF0000138575	1/4 - 1/2 Mile SSW
D15	CAEDF0000084114	1/4 - 1/2 Mile South
D16	CAEDF0000134628	1/4 - 1/2 Mile SSW
C17	CAEDF0000132451	1/4 - 1/2 Mile SSW
C18	CAEDF0000116843	1/4 - 1/2 Mile SSW
C19	CAEDF0000139843	1/4 - 1/2 Mile SSW
C20	CAEDF0000058573	1/4 - 1/2 Mile SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

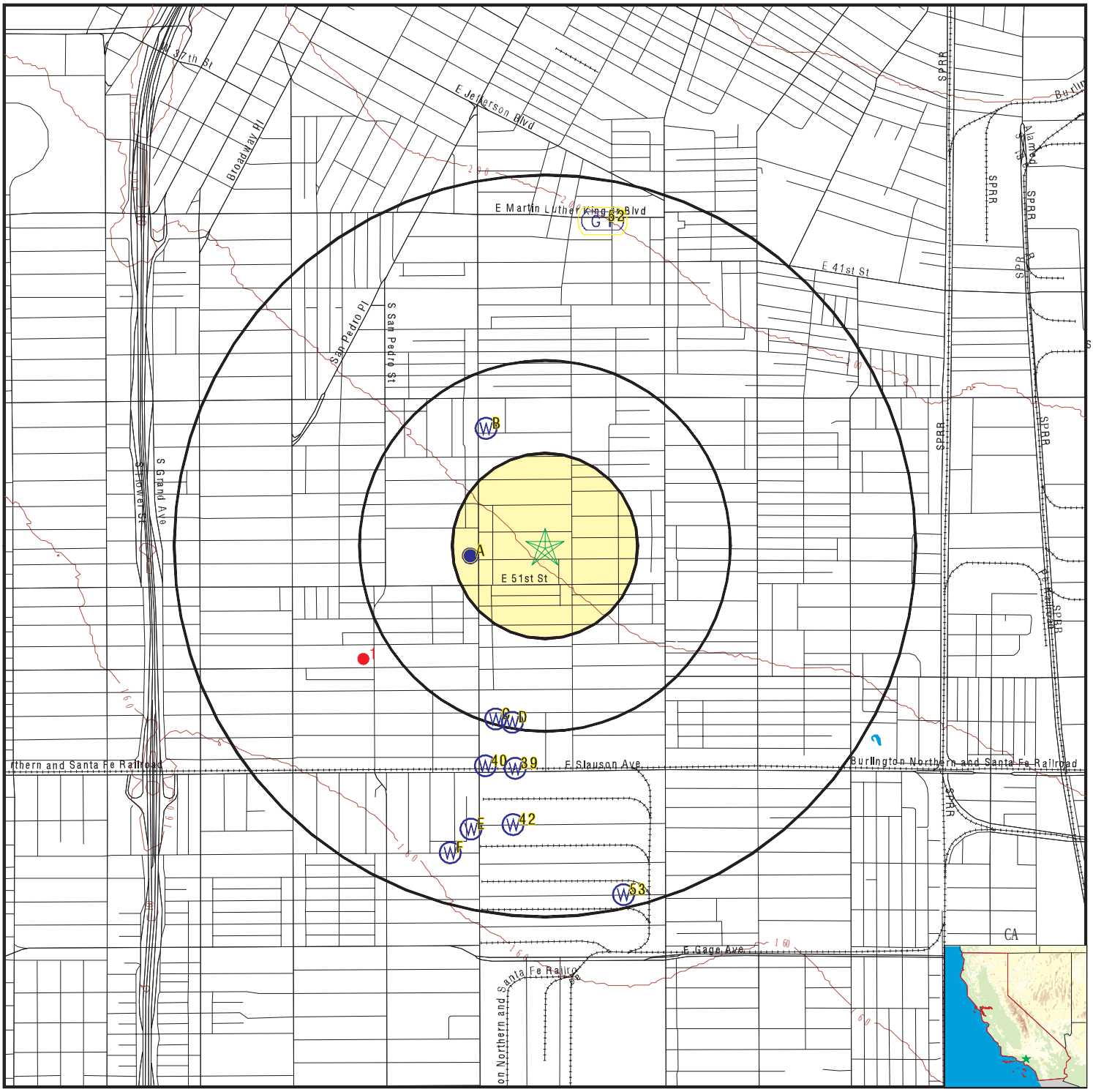
MAP ID	WELL ID	LOCATION FROM TP
C21	CAEDF0000127446	1/4 - 1/2 Mile SSW
C22	CAEDF0000110123	1/4 - 1/2 Mile SSW
C23	CAEDF0000051250	1/4 - 1/2 Mile SSW
C24	CAEDF0000132044	1/4 - 1/2 Mile SSW
C25	CAEDF0000094087	1/4 - 1/2 Mile SSW
C26	CAEDF0000139881	1/4 - 1/2 Mile SSW
C27	CAEDF0000060535	1/4 - 1/2 Mile SSW
C28	CAEDF0000035884	1/4 - 1/2 Mile SSW
C29	CAEDF0000017577	1/4 - 1/2 Mile SSW
C30	CAEDF0000016816	1/4 - 1/2 Mile SSW
C31	CAEDF0000115905	1/4 - 1/2 Mile SSW
C32	CAEDF0000066954	1/4 - 1/2 Mile SSW
C33	CAEDF0000002088	1/4 - 1/2 Mile SSW
C34	CAEDF0000100202	1/4 - 1/2 Mile SSW
C35	CAEDF0000076976	1/4 - 1/2 Mile SSW
C36	CAEDF0000043322	1/4 - 1/2 Mile SSW
D37	CAEDF0000111969	1/2 - 1 Mile South
C38	CAEDF0000069952	1/2 - 1 Mile SSW
39	CAEDF0000050886	1/2 - 1 Mile South
40	CAEDF0000063836	1/2 - 1 Mile SSW
E41	CAEDF0000099733	1/2 - 1 Mile SSW
42	CAEDF0000066800	1/2 - 1 Mile South
E43	CAEDF0000061609	1/2 - 1 Mile SSW
E44	CAEDF0000088964	1/2 - 1 Mile SSW
E45	CAEDF0000022259	1/2 - 1 Mile SSW
E46	CAEDF0000115843	1/2 - 1 Mile SSW
E47	CAEDF0000042450	1/2 - 1 Mile SSW
E48	CAEDF0000136627	1/2 - 1 Mile SSW
E49	CAEDF0000076575	1/2 - 1 Mile SSW
F50	CAEDF0000031775	1/2 - 1 Mile SSW
F51	CAEDF0000010339	1/2 - 1 Mile SSW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG14000005062	1/2 - 1 Mile WSW

PHYSICAL SETTING SOURCE MAP - 6792994.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	750 East 49th Street	CLIENT:	Tetra Tech Inc.
ADDRESS:	750 East 49th Street Los Angeles CA 90011	CONTACT:	Tanya Maclean
		INQUIRY #:	6792994.2s
LAT/LONG:	33.998102 / 118.262105	DATE:	December 17, 2021 4:02 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
West
1/8 - 1/4 Mile
Lower

CA WELLS **CAUSGSN00003047**

Well ID:	USGS-335952118155605	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-335952118155605	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-335952118155605&store_num=		
GeoTracker Data:	Not Reported		

A2
West
1/8 - 1/4 Mile
Lower

CA WELLS **CAUSGSN00013172**

Well ID:	USGS-335952118155603	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-335952118155603	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-335952118155603&store_num=		
GeoTracker Data:	Not Reported		

A3
West
1/8 - 1/4 Mile
Lower

CA WELLS **CAUSGSN00004716**

Well ID:	USGS-335952118155604	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-335952118155604	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-335952118155604&store_num=		
GeoTracker Data:	Not Reported		

A4
West
1/8 - 1/4 Mile
Lower

CA WELLS **CAUSGSN00005493**

Well ID:	USGS-335952118155601	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-335952118155601	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-335952118155601&store_num=		
GeoTracker Data:	Not Reported		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A5
West
1/8 - 1/4 Mile
Lower

CA WELLS **CAUSGSN00008460**

Well ID:	USGS-335952118155602	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-335952118155602	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-335952118155602&store_num=		
GeoTracker Data:	Not Reported		

A6
West
1/8 - 1/4 Mile
Lower

FED USGS **USGS40000139686**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S013W17F003S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19990821	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	1389
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	38	Level reading date:	2002-09-25
Feet below surface:	200.30	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	2002-09-25	Feet below surface:	200.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-27	Feet below surface:	197.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-27	Feet below surface:	197.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-13	Feet below surface:	195.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-13	Feet below surface:	195.00
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-27	Feet below surface:	194.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-27	Feet below surface:	194.47
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-26	Feet below surface:	196.17
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2001-12-26	Feet below surface:	196.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-24	Feet below surface:	198.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-24	Feet below surface:	198.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-29	Feet below surface:	196.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-29	Feet below surface:	196.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-04-26	Feet below surface:	193.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-04-26	Feet below surface:	193.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-28	Feet below surface:	193.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-28	Feet below surface:	193.78
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	194.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	194.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-29	Feet below surface:	197.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-29	Feet below surface:	197.52
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-15	Feet below surface:	197.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-15	Feet below surface:	197.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-07-31	Feet below surface:	195.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-07-31	Feet below surface:	195.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-04	Feet below surface:	194.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-04	Feet below surface:	194.77
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-14	Feet below surface:	226.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-14	Feet below surface:	226.4
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2000-01-13	Feet below surface:	93.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-13	Feet below surface:	93.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-11	Feet below surface:	114.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-11	Feet below surface:	114.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-06	Feet below surface:	11.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-06	Feet below surface:	11.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	31.94
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	31.94
Feet to sea level:	Not Reported	Note:	Not Reported

A7
West
1/8 - 1/4 Mile
Lower

FED USGS **USGS40000139687**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S013W17F004S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19990821	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	1389
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	36	Level reading date:	2002-09-25
Feet below surface:	204.53	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-09-25	Feet below surface:	204.53
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-27	Feet below surface:	202.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-27	Feet below surface:	202.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-13	Feet below surface:	202.10
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-13	Feet below surface:	202.10
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2002-03-27	Feet below surface:	200.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-27	Feet below surface:	200.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-26	Feet below surface:	200.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-26	Feet below surface:	200.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-24	Feet below surface:	203.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-24	Feet below surface:	203.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-29	Feet below surface:	200.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-29	Feet below surface:	200.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-04-26	Feet below surface:	198.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-04-26	Feet below surface:	198.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-28	Feet below surface:	198.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-28	Feet below surface:	198.63
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	199.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	199.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-29	Feet below surface:	202.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-29	Feet below surface:	202.39
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-15	Feet below surface:	202.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-15	Feet below surface:	202.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-07-31	Feet below surface:	190.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-07-31	Feet below surface:	190.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-04	Feet below surface:	189.79
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2000-04-04	Feet below surface:	189.79
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-14	Feet below surface:	131.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-14	Feet below surface:	131.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-11	Feet below surface:	84.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-11	Feet below surface:	84.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-06	Feet below surface:	79.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-06	Feet below surface:	79.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	6.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	6.07
Feet to sea level:	Not Reported	Note:	Not Reported

A8
West
1/8 - 1/4 Mile
Lower

FED USGS **USGS40000139688**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S013W17F005S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19990821	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	1389
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	34	Level reading date:	2002-09-25
Feet below surface:	195.19	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-09-25	Feet below surface:	195.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-27	Feet below surface:	193.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-27	Feet below surface:	193.76
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-13	Feet below surface:	193.81
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2002-06-13	Feet below surface:	193.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-27	Feet below surface:	193.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-27	Feet below surface:	193.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-24	Feet below surface:	195.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-24	Feet below surface:	195.71
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-29	Feet below surface:	194.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-29	Feet below surface:	194.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-04-26	Feet below surface:	193.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-04-26	Feet below surface:	193.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-28	Feet below surface:	193.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-28	Feet below surface:	193.37
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	193.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	193.93
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-29	Feet below surface:	194.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-29	Feet below surface:	194.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-15	Feet below surface:	193.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-15	Feet below surface:	193.31
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-07-31	Feet below surface:	204.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-07-31	Feet below surface:	204.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-04	Feet below surface:	161.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-04	Feet below surface:	161.73
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2000-01-14	Feet below surface:	166.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-14	Feet below surface:	166.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-11	Feet below surface:	86.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-11	Feet below surface:	86.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-06	Feet below surface:	81.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-06	Feet below surface:	81.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	1.83
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	1.83
Feet to sea level:	Not Reported	Note:	Not Reported

A9
West
1/8 - 1/4 Mile
Lower

FED USGS **USGS40000139684**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S013W17F001S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19990821	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	1389
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	36	Level reading date:	2002-09-25
Feet below surface:	193.48	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-09-25	Feet below surface:	193.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-27	Feet below surface:	187.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-27	Feet below surface:	187.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-13	Feet below surface:	185.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-13	Feet below surface:	185.73
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2002-03-27	Feet below surface:	185.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-27	Feet below surface:	185.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-26	Feet below surface:	191.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-26	Feet below surface:	191.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-24	Feet below surface:	190.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-24	Feet below surface:	190.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-29	Feet below surface:	189.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-29	Feet below surface:	189.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-04-25	Feet below surface:	186.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-04-25	Feet below surface:	186.74
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-28	Feet below surface:	187.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-28	Feet below surface:	187.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	188.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	188.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-29	Feet below surface:	184.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-29	Feet below surface:	184.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-15	Feet below surface:	183.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-15	Feet below surface:	183.75
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-07-31	Feet below surface:	182.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-07-31	Feet below surface:	182.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-04	Feet below surface:	181.12
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2000-04-04	Feet below surface:	181.12
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-13	Feet below surface:	185.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-13	Feet below surface:	185.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-11	Feet below surface:	243.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-11	Feet below surface:	243.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-06	Feet below surface:	43.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-06	Feet below surface:	43.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	54.49
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	54.49
Feet to sea level:	Not Reported	Note:	Not Reported

A10
West
1/8 - 1/4 Mile
Lower

FED USGS **USGS40000139685**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	002S013W17F002S	Type:	Well
Description:	Not Reported	HUC:	Not Reported
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19990821	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	1389
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	38	Level reading date:	2002-09-25
Feet below surface:	198.73	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2002-09-25	Feet below surface:	198.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-27	Feet below surface:	195.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-27	Feet below surface:	195.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-06-13	Feet below surface:	194.98
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2002-06-13	Feet below surface:	194.98
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-27	Feet below surface:	192.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2002-03-27	Feet below surface:	192.58
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-26	Feet below surface:	194.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-12-26	Feet below surface:	194.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-24	Feet below surface:	197.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-09-24	Feet below surface:	197.21
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-29	Feet below surface:	194.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-06-29	Feet below surface:	194.86
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-04-24	Feet below surface:	193.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-04-24	Feet below surface:	193.66
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-28	Feet below surface:	191.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-03-28	Feet below surface:	191.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	193.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-12-28	Feet below surface:	193.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-29	Feet below surface:	195.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-29	Feet below surface:	195.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-15	Feet below surface:	194.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-09-15	Feet below surface:	194.95
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-07-31	Feet below surface:	195.06
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-07-31	Feet below surface:	195.06
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	2000-04-04	Feet below surface:	193.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-04	Feet below surface:	193.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-14	Feet below surface:	195.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-14	Feet below surface:	195.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-13	Feet below surface:	102.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-13	Feet below surface:	102.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-11	Feet below surface:	125.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-11	Feet below surface:	125.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-06	Feet below surface:	25.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-01-06	Feet below surface:	25.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	32.45
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-10-04	Feet below surface:	32.45
Feet to sea level:	Not Reported	Note:	Not Reported

B11
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000040601**

Well ID:	T0603728537-GW1	Well Type:	MONITORING
Source:	EDF	Other Name:	GW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603728537&assigned_name=GW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603728537&assigned_name=GW1		

B12
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000100860**

Well ID:	T0603728537-GW2	Well Type:	MONITORING
Source:	EDF	Other Name:	GW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603728537&assigned_name=GW2&store_num=		

GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603728537&assigned_name=GW2

B13
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CAEDF0000043091**

Well ID:	T0603728537-GW3	Well Type:	MONITORING
Source:	EDF	Other Name:	GW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0603728537&assigned_name=GW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0603728537&assigned_name=GW3		

C14
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000138575**

Well ID:	WDR100039664-HC-3	Well Type:	MONITORING
Source:	EDF	Other Name:	HC-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=HC-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=HC-3		

D15
South
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000084114**

Well ID:	WDR100039664-MW-19	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-19
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=MW-19&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=MW-19		

D16
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000134628**

Well ID:	WDR100039664-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=MW-4		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C17
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000132451**

Well ID:	WDR100039664-LIW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	LIW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=LIW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=LIW-4		

C18
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000116843**

Well ID:	WDR100039664-MW-34	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-34
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=MW-34&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=MW-34		

C19
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000139843**

Well ID:	WDR100039664-LIW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	LIW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=LIW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=LIW-8		

C20
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000058573**

Well ID:	WDR100039664-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=MW-8		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C21
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000127446**

Well ID:	WDR100039664-LIW-13	Well Type:	MONITORING
Source:	EDF	Other Name:	LIW-13
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=LIW-13&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=LIW-13		

C22
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000110123**

Well ID:	WDR100039664-MW-30	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-30
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=MW-30&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=MW-30		

C23
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000051250**

Well ID:	WDR100039664-LAAMS-1	Well Type:	MONITORING
Source:	EDF	Other Name:	LAAMS-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=LAAMS-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=LAAMS-1		

C24
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000132044**

Well ID:	WDR100039664-LIW-12	Well Type:	MONITORING
Source:	EDF	Other Name:	LIW-12
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=LIW-12&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=LIW-12		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C25
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000094087**

Well ID:	WDR100039664-LIW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	LIW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=LIW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=LIW-3		

C26
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000139881**

Well ID:	WDR100039664-LIW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	LIW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=LIW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=LIW-7		

C27
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000060535**

Well ID:	WDR100039664-LAAMS-2	Well Type:	MONITORING
Source:	EDF	Other Name:	LAAMS-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=LAAMS-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=LAAMS-2		

C28
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000035884**

Well ID:	WDR100039664-LIW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	LIW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=LIW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=LIW-6		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C29
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000017577**

Well ID:	WDR100039664-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=MW-6		

C30
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000016816**

Well ID:	WDR100039664-LIW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	LIW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=LIW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=LIW-10		

C31
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000115905**

Well ID:	WDR100039664-LIW-11	Well Type:	MONITORING
Source:	EDF	Other Name:	LIW-11
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=LIW-11&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=LIW-11		

C32
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000066954**

Well ID:	WDR100039664-LIW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	LIW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=LIW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=LIW-2		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

C33
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000002088**

Well ID:	WDR100039664-LIW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	LIW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=LIW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=LIW-1		

C34
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000100202**

Well ID:	WDR100039664-MW-33	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-33
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=MW-33&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=MW-33		

C35
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000076976**

Well ID:	WDR100039664-LIW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	LIW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=LIW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=LIW-5		

C36
SSW
1/4 - 1/2 Mile
Lower

CA WELLS **CAEDF0000043322**

Well ID:	WDR100039664-LIW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	LIW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=LIW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=LIW-9		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

D37
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000111969**

Well ID:	WDR100039664-MW-24	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-24
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=MW-24&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=MW-24		

C38
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000069952**

Well ID:	WDR100039664-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=MW-10		

39
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000050886**

Well ID:	WDR100039664-MW-16A	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-16A
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=MW-16A&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=MW-16A		

40
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000063836**

Well ID:	WDR100039664-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=WDR100039664&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=WDR100039664&assigned_name=MW-15		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E41
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000099733**

Well ID:	SL184661449-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184661449&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184661449&assigned_name=MW-3		

42
South
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000066800**

Well ID:	SL184661449-MW-10	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-10
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184661449&assigned_name=MW-10&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184661449&assigned_name=MW-10		

E43
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000061609**

Well ID:	SL184661449-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184661449&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184661449&assigned_name=MW-2		

E44
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000088964**

Well ID:	SL184661449-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184661449&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184661449&assigned_name=MW-6		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E45
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000022259**

Well ID:	SL184661449-MW-8	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-8
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184661449&assigned_name=MW-8&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184661449&assigned_name=MW-8		

E46
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000115843**

Well ID:	SL184661449-MW-7D	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7D
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184661449&assigned_name=MW-7D&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184661449&assigned_name=MW-7D		

E47
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000042450**

Well ID:	SL184661449-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184661449&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184661449&assigned_name=MW-7		

E48
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000136627**

Well ID:	SL184661449-MW-9	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-9
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184661449&assigned_name=MW-9&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184661449&assigned_name=MW-9		

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E49
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000076575**

Well ID:	SL184661449-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184661449&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184661449&assigned_name=MW-1		

F50
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000031775**

Well ID:	SL184661449-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184661449&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184661449&assigned_name=MW-4		

F51
SSW
1/2 - 1 Mile
Lower

CA WELLS **CAEDF0000010339**

Well ID:	SL184661449-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=SL184661449&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=SL184661449&assigned_name=MW-5		

52
North
1/2 - 1 Mile
Higher

AQUIFLOW **55204**

Site ID:	900570061
Groundwater Flow:	Not Reported
Shallow Water Depth:	8.37
Deep Water Depth:	12
Average Water Depth:	Not Reported
Date:	08/07/1996

53
SSE
1/2 - 1 Mile
Lower

FED USGS **USGS40000139554**

Organization ID:	USGS-CA
Organization Name:	USGS California Water Science Center

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Monitor Location:	002S013W21E001S	Type:	Well
Description:	Not Reported	HUC:	18070105
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	643
Well Depth Units:	ft	Well Hole Depth:	700
Well Hole Depth Units:	ft		

1G
North
1/2 - 1 Mile
Lower

Site ID:	900570061
Groundwater Flow:	Not Reported
Shallow Water Depth:	8.37
Deep Water Depth:	12
Average Water Depth:	Not Reported
Date:	08/07/1996

AQUIFLOW **55204**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
WSW
1/2 - 1 Mile

OIL_GAS **CAOG14000005062**

API #:	0403700792	Well #:	1
Well Status:	Plugged	Well Type:	Dry Hole
Lease Name:	Union-Standard La Tijera E.H.		
Field Name:	Any Field	Area Name:	Any Area
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
90011	1	0

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX C
EDR HISTORICAL DOCUMENTATION

750 East 49th Street

750 East 49th Street

Los Angeles, CA 90011

Inquiry Number: 6792994.8

December 17, 2021

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

12/17/21

Site Name:

750 East 49th Street
750 East 49th Street
Los Angeles, CA 90011
EDR Inquiry # 6792994.8

Client Name:

Tetra Tech Inc.
17885 Von Karman Ave
Irvine, CA 92614
Contact: Tanya Maclean

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
2002	1"=500'	Flight Date: June 10, 2002	USDA
1994	1"=500'	Acquisition Date: May 31, 1994	USGS/DOQQ
1989	1"=500'	Acquisition Date: January 01, 1989	USGS/DOQQ
1981	1"=500'	Flight Date: February 21, 1981	EDR Proprietary Brewster Pacific
1972	1"=500'	Flight Date: November 24, 1972	EDR Proprietary Brewster Pacific
1970	1"=500'	Flight Date: February 17, 1970	EDR Proprietary Brewster Pacific
1964	1"=500'	Flight Date: July 28, 1964	USGS
1952	1"=500'	Flight Date: April 12, 1952	USDA
1948	1"=500'	Flight Date: July 10, 1948	USGS
1938	1"=500'	Flight Date: May 22, 1938	USDA
1928	1"=500'	Flight Date: January 01, 1928	FAIR
1923	1"=500'	Flight Date: January 01, 1923	FAIR

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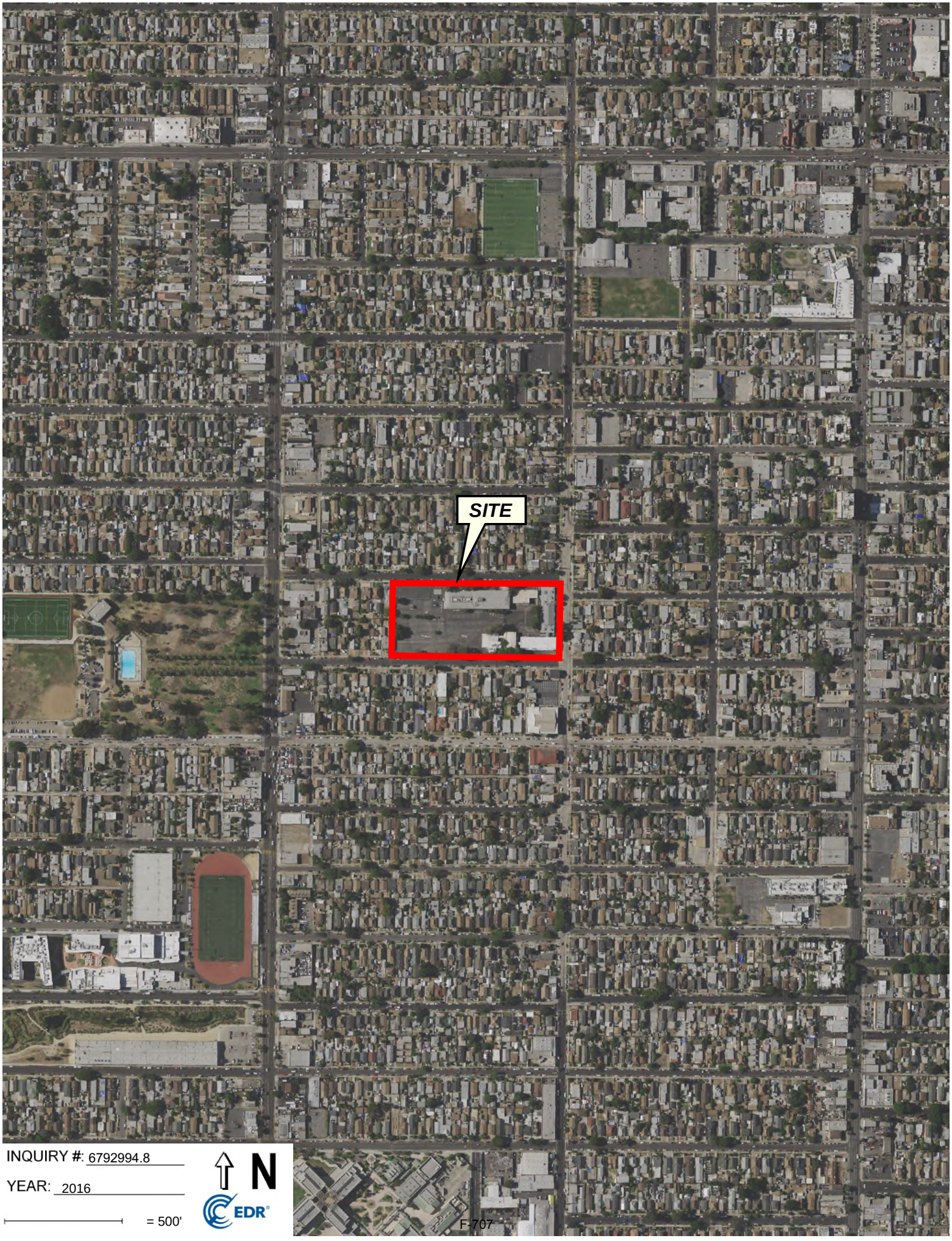
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YEAR: 2016
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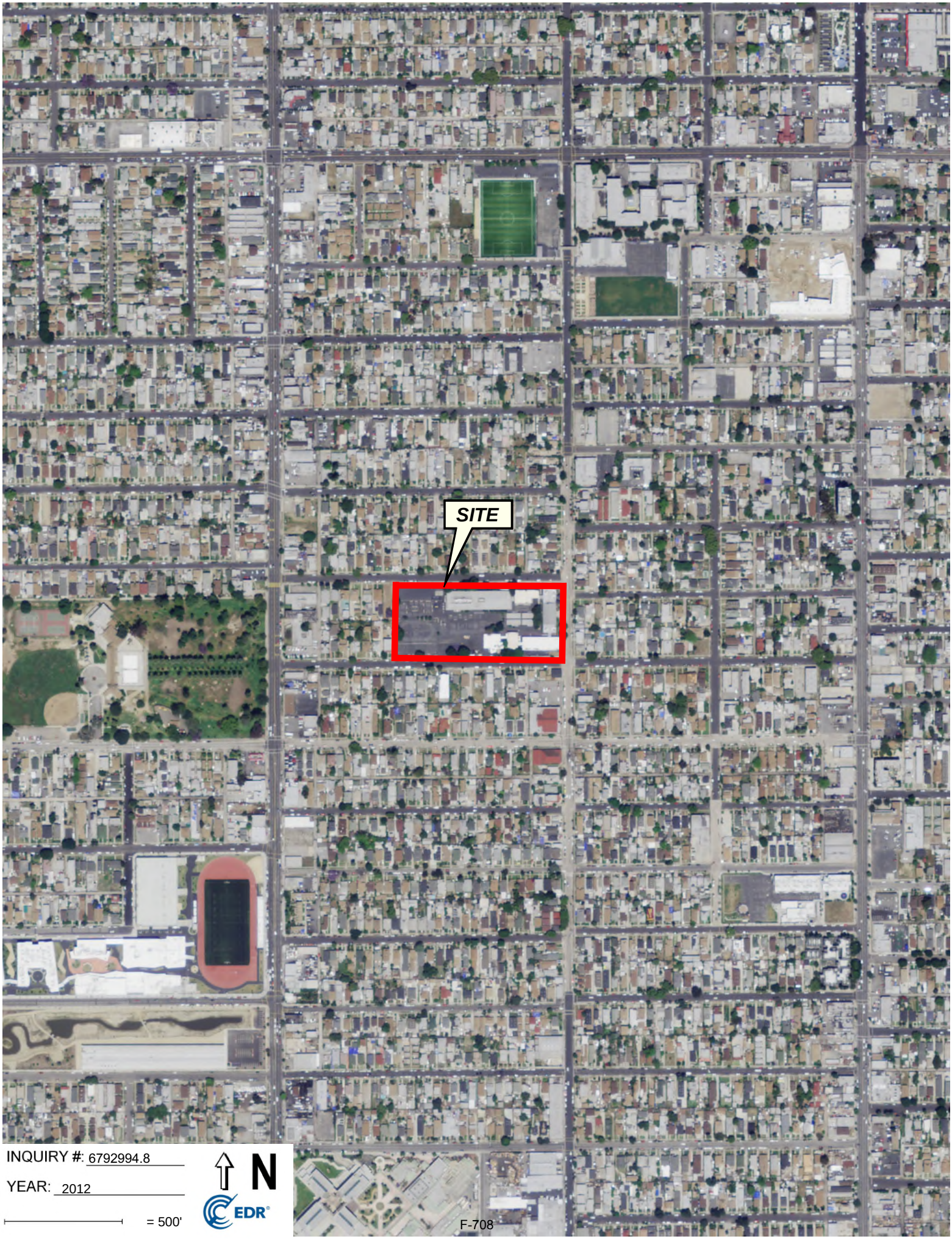
EDR



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YEAR: 2012

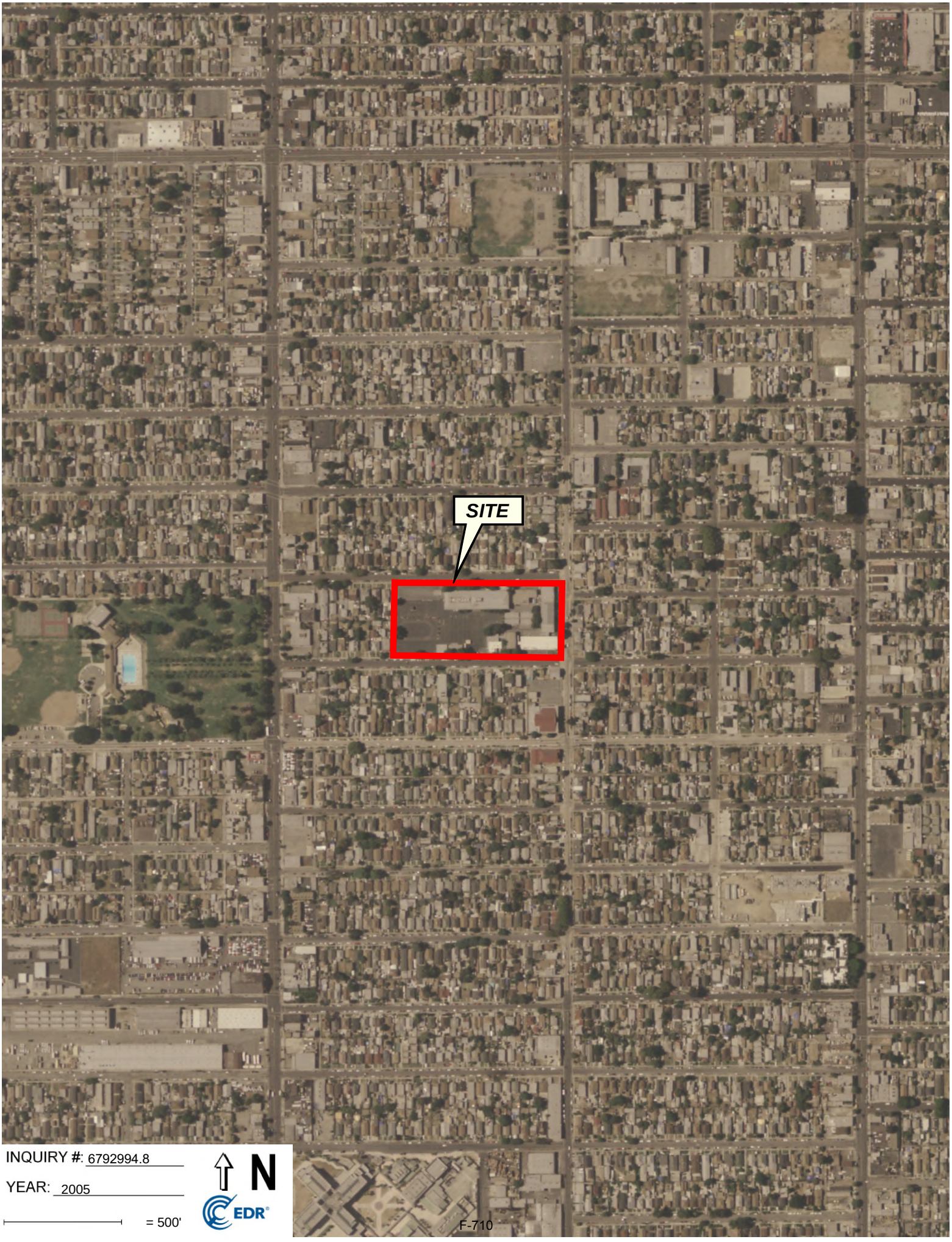
= 500'

N

EDR

F-708


SITE
INQUIRY #: 6792994.8
YEAR: 2009
= 500'
N
EDR
F-709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YEAR: 2005
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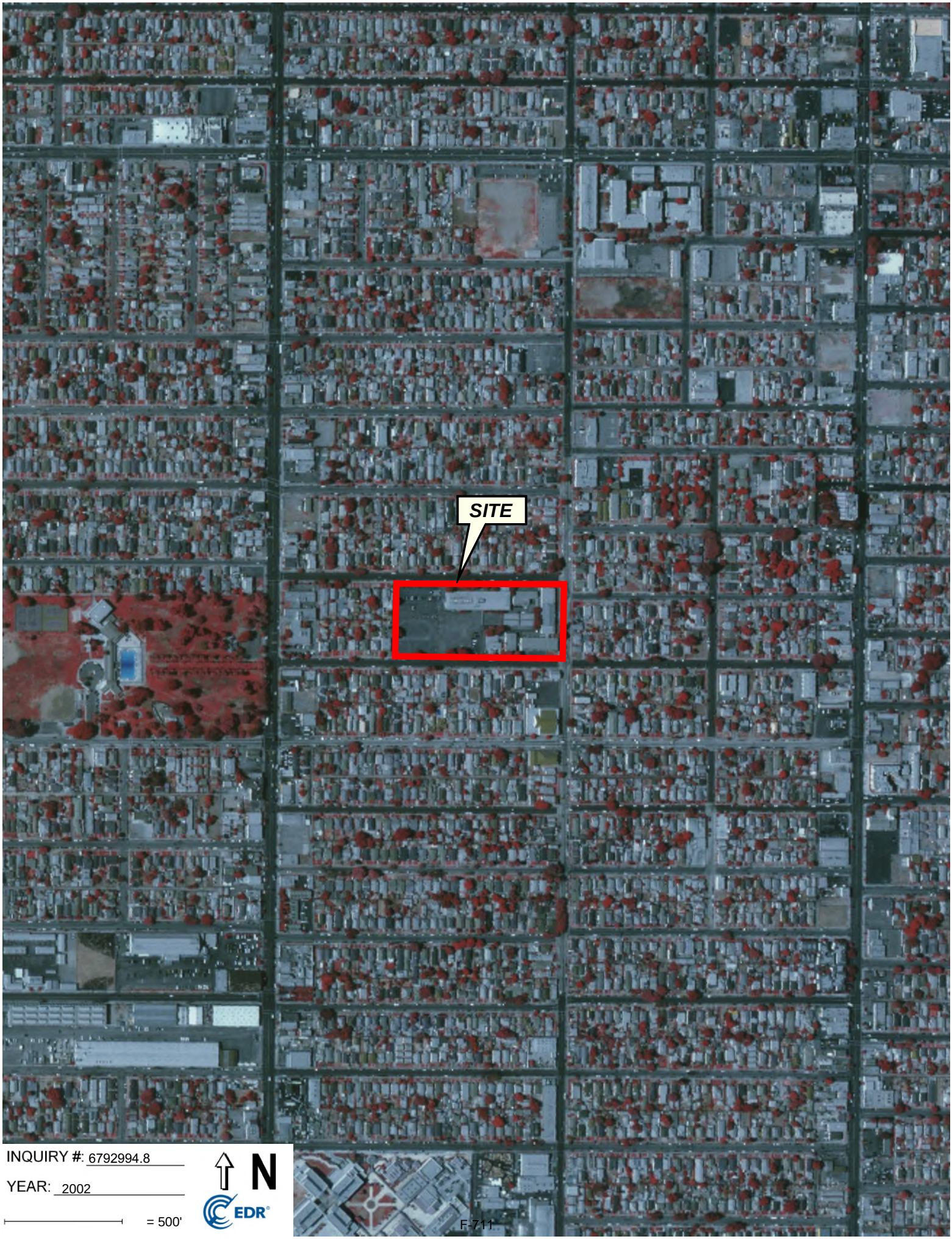
F-710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YEAR: 2002
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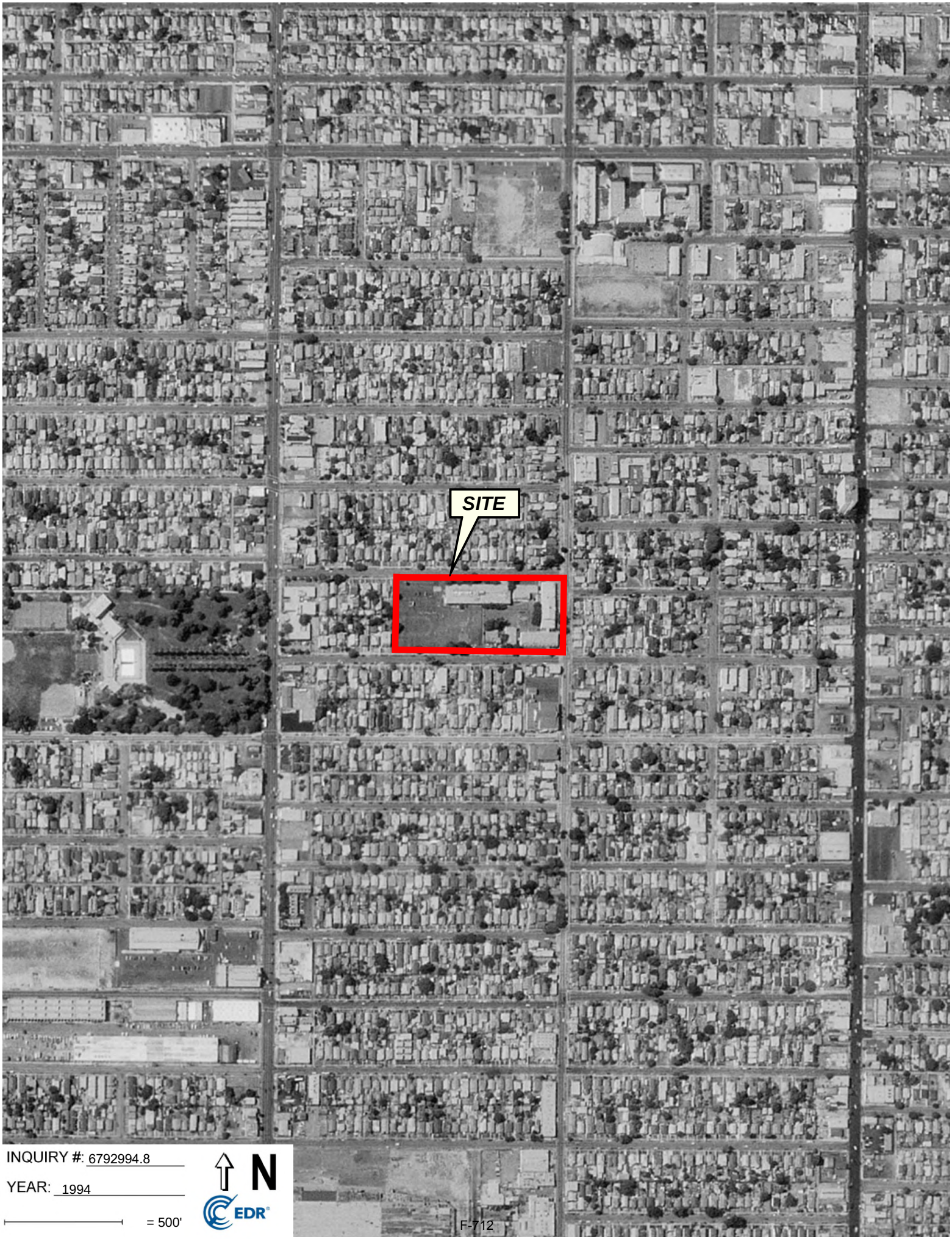
EDR
F-711


SITE
INQUIRY #: 6792994.8
YEAR: 1994
= 500'
N
EDR
F-712



UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED
UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED UNMAPPED

INQUIRY #: 6792994.8

YEAR: 1989

= 500'

N

EDR



INQUIRY #: 6792994.8

YEAR: 1981

= 500'

N

EDR

F-714



INQUIRY #: 6792994.8

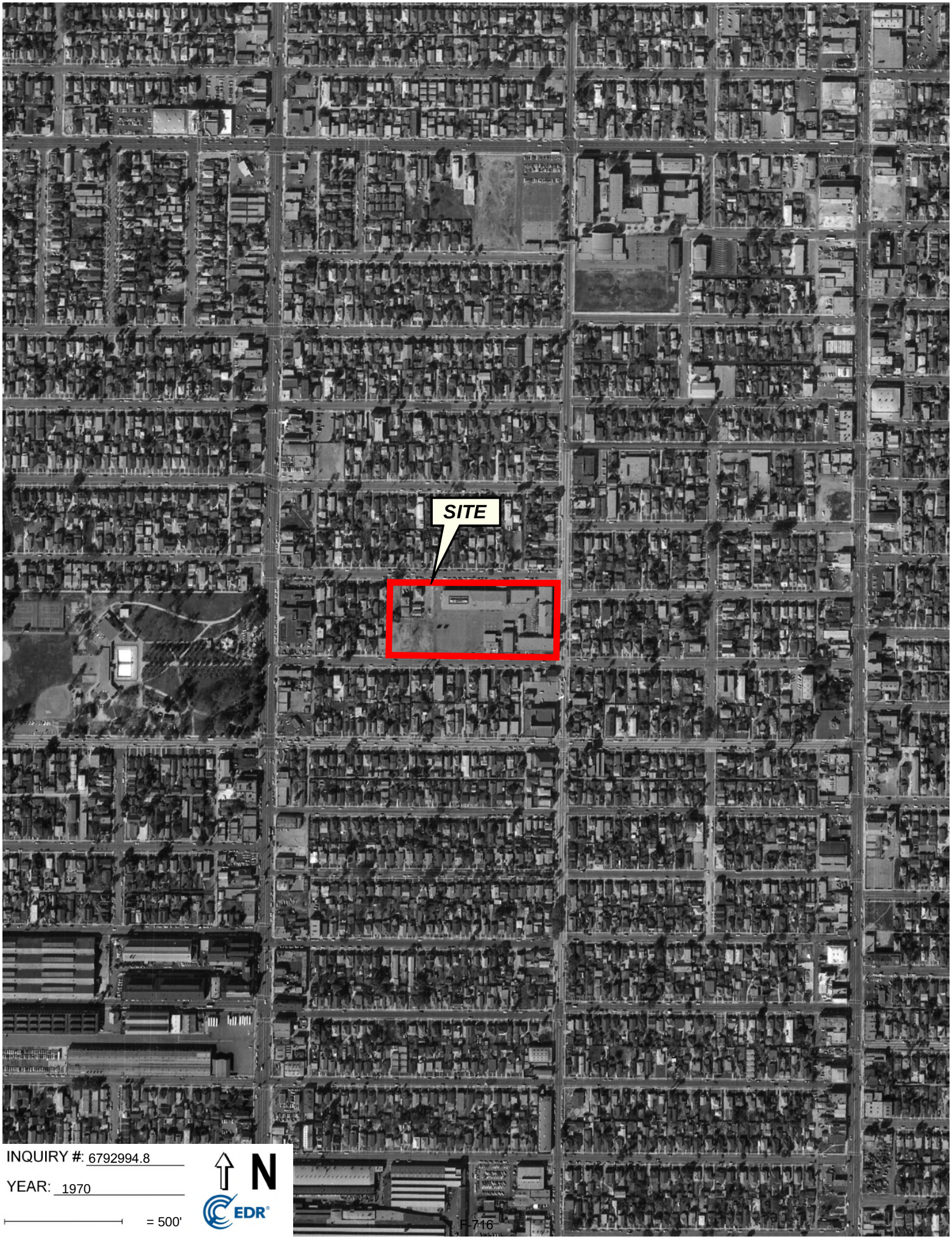
YEAR: 1972

= 500'

N

EDR

F-715



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YEAR: 1970

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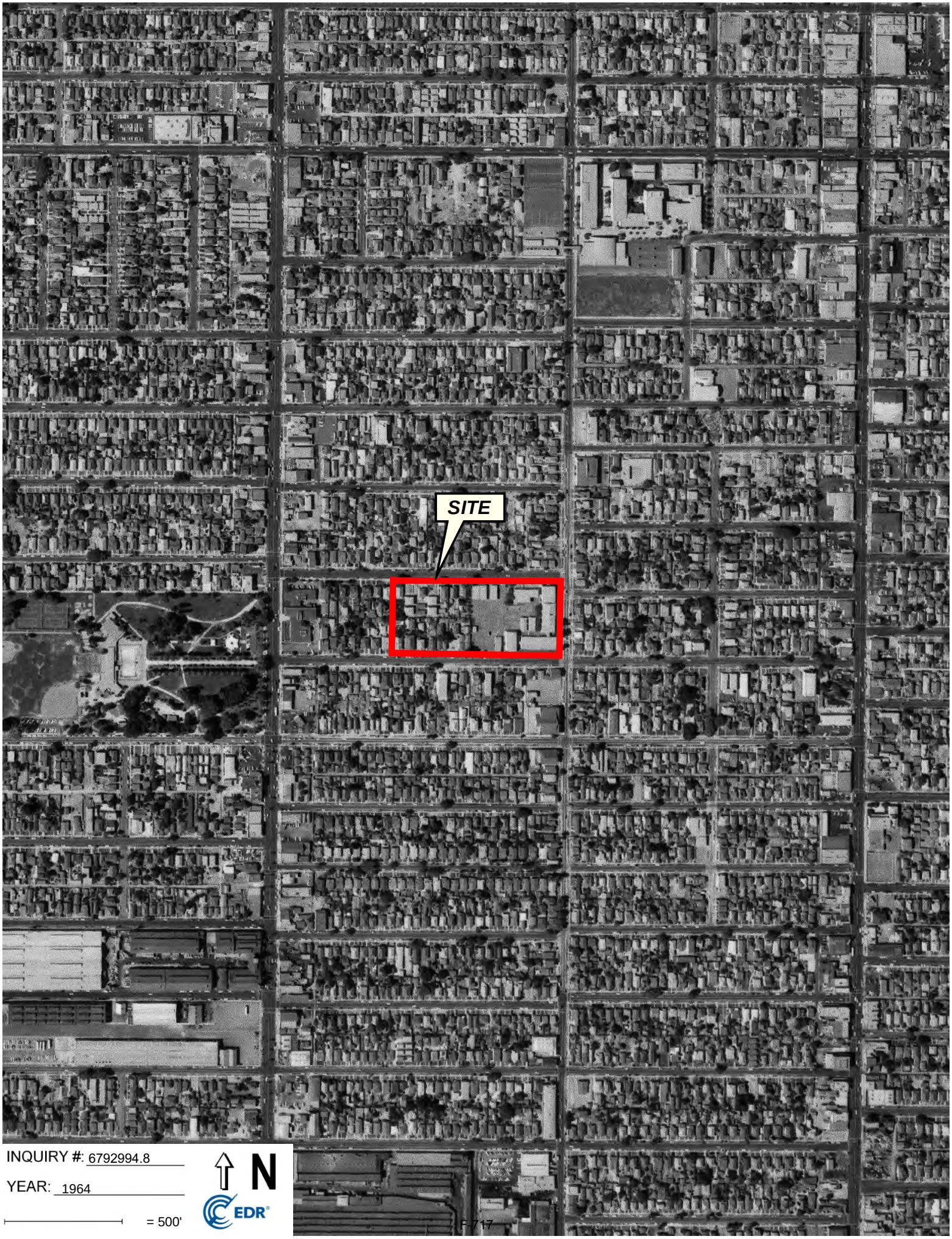
EDR



INQUIRY #: 6792994.8

YEAR: 1964

= 500'

N

EDR

F-717



INQUIRY #: 6792994.8

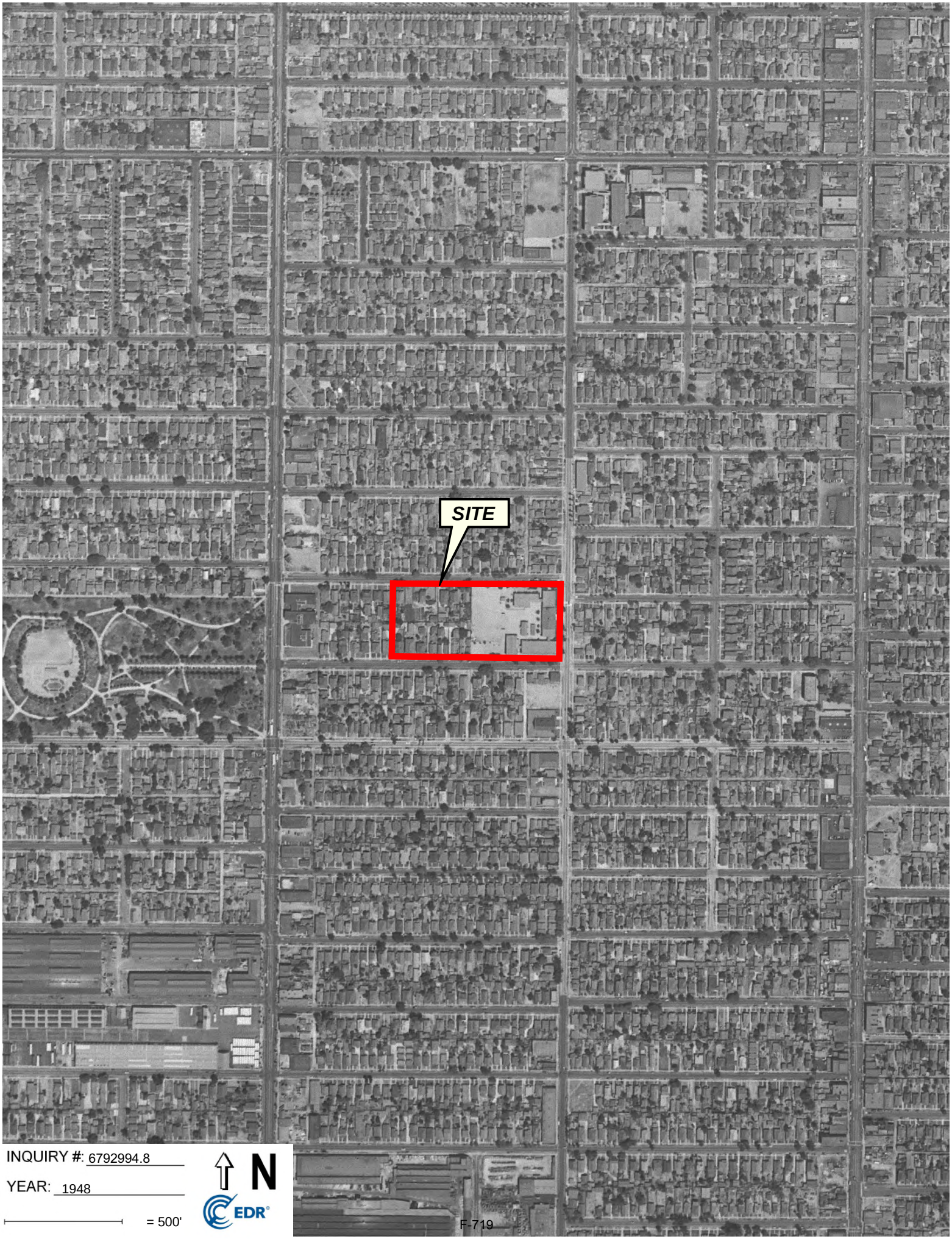
YEAR: 1952

= 500'

N

EDR

F-718


SITE
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YEAR: 1948
= 500'
N
EDR



INQUIRY #: 6792994.8

YEAR: 1938

= 500'

N

EDR

F-720



INQUIRY #: 6792994.8

YEAR: 1928

= 500'

N

EDR

F-721



INQUIRY #: 6792994.8

YEAR: 1923

= 500'

N

EDR

750 East 49th Street
750 East 49th Street
Los Angeles, CA 90011

Inquiry Number: 6792994.5
December 20, 2021

The EDR-City Directory Abstract

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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Please contact EDR at 1-800-352-0050
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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 332 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2014	Cole Information Services	X	X	X	-
2009	Cole Information Services	X	X	X	-
2006	Haines Company, Inc	-	X	X	-
	Haines Company, Inc	X	X	X	-
2004	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
	Haines Company	-	-	-	-
	Haines Company	X	-	X	-
2003	Haines & Company	-	-	-	-
2001	Haines & Company, Inc.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
2000	Pacific Bell Telephone	-	-	-	-
1999	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
	Haines Company	-	-	-	-
	Haines Company	X	-	X	-
1996	GTE	-	-	-	-
1995	Pacific Bell	-	-	-	-
1994	Cole Information Services	X	X	X	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	Pacific Bell	-	-	-	-
1990	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1986	Pacific Bell	-	X	X	-
	Pacific Bell	X	X	X	-
1985	Pacific Bell	-	-	-	-
1981	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1980	Pacific Telephone Co	-	-	-	-
1976	R.L. Polk & Co Publishers	-	-	-	-
1975	Pacific Telephone	-	-	-	-
1972	R. L. Polk & Co.	-	-	-	-
1971	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1970	Pacific Telephone	-	-	-	-
1969	Pacific Telephone	-	-	-	-
1967	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1966	Pacific Telephone	-	-	-	-
1965	GTE	-	-	-	-
1964	Pacific Telephone	-	-	-	-
1963	Pacific Telephone	-	-	-	-
1962	Pacific Telephone	-	X	X	-
1961	R. L. Polk & Co.	-	-	-	-
1960	Pacific Telephone	-	-	-	-
1958	Pacific Telephone	-	X	X	-
	Pacific Telephone	X	X	X	-
1957	Pacific Telephone	-	-	-	-
1956	Pacific Telephone	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1955	R. L. Polk & Co.	-	-	-	-
1954	R. L. Polk & Co.	-	-	-	-
1952	Los Angeles Directory Co.	-	-	-	-
1951	Pacific Telephone & Telegraph Co.	-	X	X	-
	Pacific Telephone & Telegraph Co.	X	X	X	-
1950	Pacific Telephone	-	-	-	-
1949	Los Angeles Directory Co.	-	-	-	-
1948	Los Angeles Directory Co.	-	-	-	-
1947	Pacific Directory Co.	-	-	-	-
1946	Southern California Telephone Co	-	-	-	-
1945	The Glendale Directory Co.	-	-	-	-
1944	R. L. Polk & Co.	-	-	-	-
1942	Los Angeles Directory Co.	-	X	X	-
1940	Los Angeles Directory Co.	-	-	-	-
1939	Los Angeles Directory Co.	-	-	-	-
1938	Los Angeles Directory Company Publishers	-	-	-	-
1937	Los Angeles Directory Co.	-	X	X	-
1936	Los Angeles Directory Co.	-	-	-	-
1935	Los Angeles Directory Co.	-	-	-	-
1934	Los Angeles Directory Co.	-	-	-	-
1933	Los Angeles Directory Co.	-	X	X	-
1932	Los Angeles Directory Co.	-	-	-	-
1931	Los Angeles Directory Company Publishers	-	-	-	-
1930	Los Angeles Directory Co.	-	-	-	-
1929	Los Angeles Directory Co.	-	X	X	-
1928	Los Angeles Directory Co.	-	-	-	-
1927	Los Angeles Directory Co.	-	-	-	-
1926	Los Angeles Directory Co.	-	-	-	-
1925	Los Angeles Directory Co.	-	-	-	-
1924	Los Angeles Directory Co.	-	X	X	-
1923	Los Angeles Directory Co.	-	-	-	-
1921	Los Angeles Directory Co.	-	-	-	-
1920	Los Angeles Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
676 East 49th Street	Client Entered	X
750 East 49th Street	Client Entered	X
677 East 50th Street	Client Entered	X
685 East 50th Street	Client Entered	X
687 East 50th Street	Client Entered	X
689 East 50th Street	Client Entered	X
693 East 50th Street	Client Entered	X
695 East 50th Street	Client Entered	X
701 East 50th Street	Client Entered	X
711 East 50th Street	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

750 East 49th Street
Los Angeles, CA 90011

FINDINGS DETAIL

Target Property research detail.

E 49TH

750 E 49TH

Year	Uses	Source
1990	FORTY NINTH STREET ELEMENTARY SCHOOL	Pacific Bell
1986	FORTY NINTH STREET ELEMENTARY SCHOOL	Pacific Bell
1981	FORTY NINTH STREET ELEMENTARY SCHOOL	Pacific Telephone
1971	Forty Ninth Street Elementary School	Pacific Telephone

E 49TH ST

750 E 49TH ST

Year	Uses	Source
2014	FORTY NINTH STREET ELEMENTARY SCHOO	Cole Information Services
2009	FORTYNINTH STREET ELEMENTARY SCHOOL	Cole Information Services
	LOS ANGELES UNIFID SCHOOL DST	Cole Information Services
2006	ELEM SC	Haines Company, Inc
	FORTY NINTH ST	Haines Company, Inc
2004	FORTY NINTH ST ELMNTRY SCHOOL	Cole Information Services
1999	FORTY NINTH STREET ELEMENTARY SCHOOL	Cole Information Services
1994	49TH STREET ELEMENTARY SCHOOL	Cole Information Services
1967	Forty Ninth St Elementary School	Pacific Telephone

East 49th Street

676 East 49th Street

Year	Uses	Source
1958	Randolph Maggie B	Pacific Telephone

Year	Uses	Source
1951	E 49th Bloodsaw Tommie Rev	Pacific Telephone & Telegraph Co.
	E 49th Whiteside Maggie B r	Pacific Telephone & Telegraph Co.

750 East 49th Street

Year	Uses	Source
2006	ELEM SC	Haines Company, Inc
	FORTY NINTH ST	Haines Company, Inc
1990	FORTY NINTH STREET ELEMENTARY SCHOOL	Pacific Bell
1986	FORTY NINTH STREET ELEMENTARY SCHOOL	Pacific Bell
1981	FORTY NINTH STREET ELEMENTARY SCHOOL	Pacific Telephone
1971	Forty Ninth Street Elementary School	Pacific Telephone
1967	Forty Ninth St Elementary School	Pacific Telephone

East 50th Street

677 East 50th Street

Year	Uses	Source
1951	E 50th Cooper Jos	Pacific Telephone & Telegraph Co.

685 East 50th Street

Year	Uses	Source
1951	E 50th Toomes Eunice r	Pacific Telephone & Telegraph Co.

687 East 50th Street

Year	Uses	Source
1967	Lew is Alice R	Pacific Telephone
	Lomothe Palmer	Pacific Telephone
1958	Hudson Waddell	Pacific Telephone
	Hudson Wm	Pacific Telephone
	Lomothe Palmer	Pacific Telephone
1951	E 50th Lamothe Palmer r	Pacific Telephone & Telegraph Co.
	E 50th McCune Lela M	Pacific Telephone & Telegraph Co.
	E 50th Ware Jean r	Pacific Telephone & Telegraph Co.

FINDINGS

689 East 50th Street

Year	*Uses*	*Source*
1958	Samuels Ruth	Pacific Telephone
1951	E 50th	Pacific Telephone & Telegraph Co.
	Price Scott r	Pacific Telephone & Telegraph Co.

693 East 50th Street

Year	*Uses*	*Source*
1967	Vandyke Leon	Pacific Telephone
1951	E 50th Ortega Ray r	Pacific Telephone & Telegraph Co.

695 East 50th Street

Year	*Uses*	*Source*
1967	Schade Frank R	Pacific Telephone
1958	Schade Frank R	Pacific Telephone
1951	E 50th Schade Frank R r	Pacific Telephone & Telegraph Co.

701 East 50th Street

Year	*Uses*	*Source*
1958	Gibbons Luster E	Pacific Telephone
	Thomas Willie	Pacific Telephone
1951	E 50th Bolden Allen r	Pacific Telephone & Telegraph Co.
	E 50th Thomas Willie r	Pacific Telephone & Telegraph Co.

711 East 50th Street

Year	*Uses*	*Source*
1958	Wilson H G	Pacific Telephone
1951	E 50th Wilson H G r	Pacific Telephone & Telegraph Co.

W 50TH ST

711 W 50TH ST

Year	*Uses*	*Source*
2014	CECIL REYNOLDS	Cole Information Services
2009	CECIL REYNOLDS	Cole Information Services
2004	CECIL REYNOLDS	Cole Information Services
1999	CECIL REYNOLDS	Cole Information Services

FINDINGS

Year	Uses	Source
1999	OCCUPANT UNKNOWN	Cole Information Services

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

49TH ST E

708 49TH ST E

Year	Uses	Source
1951	E 49th Jones Mariena r	Pacific Telephone & Telegraph Co.
	E 49th McDonald Milton E r	Pacific Telephone & Telegraph Co.

709 49TH ST E

Year	Uses	Source
1951	E 49th Prothro Newton r	Pacific Telephone & Telegraph Co.
	E 49th Terrell Benj r	Pacific Telephone & Telegraph Co.

710 49TH ST E

Year	Uses	Source
1951	E 49th Harper Thelma B Mrs r	Pacific Telephone & Telegraph Co.
	E 49th Wallace Alice r	Pacific Telephone & Telegraph Co.

715 49TH ST E

Year	Uses	Source
1951	E 49th Colombo Carmen S r	Pacific Telephone & Telegraph Co.

716 49TH ST E

Year	Uses	Source
1951	E 49th Bryant Climmie r	Pacific Telephone & Telegraph Co.

723 49TH ST E

Year	Uses	Source
1951	E 49th Kockler Amelia r	Pacific Telephone & Telegraph Co.
	E 49th Prothro Jimmie r	Pacific Telephone & Telegraph Co.

724 49TH ST E

Year	Uses	Source
1951	E 49th Osellame John r	Pacific Telephone & Telegraph Co.

FINDINGS

727 49TH ST E

Year	Uses	Source
1951	E 49th Ivory Tim r	Pacific Telephone & Telegraph Co.

733 49TH ST E

Year	Uses	Source
1951	E 49th Johnson Celeste r	Pacific Telephone & Telegraph Co.
	E 49th Mosley Herman r	Pacific Telephone & Telegraph Co.

739 49TH ST E

Year	Uses	Source
1951	E 49th Humphries Velma r	Pacific Telephone & Telegraph Co.
	E 49th McMeans Clifton r	Pacific Telephone & Telegraph Co.

751 49TH ST E

Year	Uses	Source
1951	E 49th Pease Douglas r	Pacific Telephone & Telegraph Co.
	E 49th Pease Marion S r	Pacific Telephone & Telegraph Co.

771 49TH ST E

Year	Uses	Source
1951	E 49th Shaw Oscar C r	Pacific Telephone & Telegraph Co.

773 49TH ST E

Year	Uses	Source
1951	E 49th Mimbs Mildred r	Pacific Telephone & Telegraph Co.

775 49TH ST E

Year	Uses	Source
1951	E 49th Berry Claude B r	Pacific Telephone & Telegraph Co.

E 49TH

677 E 49TH

Year	Uses	Source
1986	ENGLISH EDW RAY	Pacific Bell
1971	Brown Wm D	Pacific Telephone
1962	Brown Wm D	Pacific Telephone

FINDINGS

Year	Uses	Source
1942	Travis Jas B Virginia M driver	Los Angeles Directory Co.
1933	Leon Alex Ramona ironw kr	Los Angeles Directory Co.
1929	Anderson Raymond C Louise w tchmn	Los Angeles Directory Co.
1924	Karl C clk r	Los Angeles Directory Co.
	Marlow e J A iron w kr h	Los Angeles Directory Co.
	MARLOW Helen clk r	Los Angeles Directory Co.

683 E 49TH

Year	Uses	Source
1981	YARBROUTH MARY L	Pacific Telephone
1942	HUGHES T Edw in Cora	Los Angeles Directory Co.
1937	Heffron Martin Hilda barber	Los Angeles Directory Co.
1933	Bereal Elmer C Daisy plmbr	Los Angeles Directory Co.
	Pistoli Clarence C Gladys clk	Los Angeles Directory Co.
	Bereal Mary E w id E C	Los Angeles Directory Co.
1929	Aivazian Haig mtl polshr	Los Angeles Directory Co.

689 E 49TH

Year	Uses	Source
1990	WALKER BESSIE LEE	Pacific Bell
1986	WALKER BESSIE LEE	Pacific Bell
1981	WALKER BESSIE LEE	Pacific Telephone
1971	Walker Bessie Lee	Pacific Telephone
1962	Rembert Grant	Pacific Telephone
	Parker Jack	Pacific Telephone
1942	Licausi Victor W Jennie clk	Los Angeles Directory Co.
	Licausi Antonio	Los Angeles Directory Co.
1937	Licausi Victor Jennie lab	Los Angeles Directory Co.
1933	Bigby Eldon C electn	Los Angeles Directory Co.
	Bigby Sadie M clk	Los Angeles Directory Co.
	Serrano Adela Mrs restr	Los Angeles Directory Co.
	Bigby Harold C Mayme	Los Angeles Directory Co.
1929	Painer Robt lab	Los Angeles Directory Co.
1924	Riddel Wm A clk h	Los Angeles Directory Co.

FINDINGS

695 E 49TH

Year	Uses	Source
1990	THORNTON BOBBIE	Pacific Bell
1986	THORNTON BOBBIE	Pacific Bell
1981	THORNTON BOBBIE	Pacific Telephone
1942	Bartonick Thos Ignacia	Los Angeles Directory Co.
	Casillas Wm	Los Angeles Directory Co.
1937	Bartonick Thos Agnes	Los Angeles Directory Co.
	MOREHOUSE Elmer E Jessei mach	Los Angeles Directory Co.
1933	Alberto Jos Frances auto mech	Los Angeles Directory Co.
	CONRAD Wm C Nelia pntr	Los Angeles Directory Co.
	DECKER Peter B	Los Angeles Directory Co.
	WARREN Marie	Los Angeles Directory Co.
1929	Trego Manuel M Margt chauf h	Los Angeles Directory Co.
	Wirebaugh Myrtle R Mrs r	Los Angeles Directory Co.
	Hermanson Herman Jennie millmn	Los Angeles Directory Co.
	Hermanson Hilda E clk	Los Angeles Directory Co.
1924	OLSEN Thos lab r	Los Angeles Directory Co.
	SCHUMANN Edw d shtmtlw kr h	Los Angeles Directory Co.
	SMITH May Mrs seam h	Los Angeles Directory Co.

709 E 49TH

Year	Uses	Source
1990	BARR MARGARET	Pacific Bell
1986	BARR MARGARET	Pacific Bell
1981	BARR MARGARET	Pacific Telephone
1971	Barr Margaret	Pacific Telephone
1962	Barr Margaret	Pacific Telephone
1942	Altmann Gottlieb G gdnr CPD	Los Angeles Directory Co.
	BARON Jean G Mrs	Los Angeles Directory Co.
	FRANCIS Miller Vida	Los Angeles Directory Co.
	WEBER Gus	Los Angeles Directory Co.
1937	Kopenhaver Ralph W Josephine steelw kr	Los Angeles Directory Co.
1933	KNIGHT Geo Mary jan	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1933	KNIGHT Geo W gdnr	Los Angeles Directory Co.
	Kochs Margt w id Chas	Los Angeles Directory Co.
	Yunker Eliz w id Geo	Los Angeles Directory Co.
1929	Hug Frank w oodw kr	Los Angeles Directory Co.
	Kochs Chas J Margt	Los Angeles Directory Co.
1924	Hosselkne Allen printer r	Los Angeles Directory Co.
	Kochs Chas J h	Los Angeles Directory Co.

721 E 49TH

Year	Uses	Source
1986	HADNOTT LUCY	Pacific Bell
1981	HADNOTT LUCY	Pacific Telephone
1971	Hadnott Lucy	Pacific Telephone
	Hadnott L C	Pacific Telephone
1942	Varalla Mary w aiter	Los Angeles Directory Co.
	Varalla Chas Mary shtmtlw kr	Los Angeles Directory Co.
1937	Borquez Robt	Los Angeles Directory Co.
1933	Lusher Gerald B Fave pntr	Los Angeles Directory Co.
	KEMPTON Ella M mach opr	Los Angeles Directory Co.
1929	Shank Wm F Ellen shadebngr h	Los Angeles Directory Co.
1924	SMITH Hattie M clk r	Los Angeles Directory Co.
	SMITH Annie w id J P h	Los Angeles Directory Co.

727 E 49TH

Year	Uses	Source
1990	SHERRILL A	Pacific Bell
	SHERRILL RODERICK	Pacific Bell
1986	SHERRILL A	Pacific Bell
	SHERRILL RODERICK	Pacific Bell
1981	SHERRILL A	Pacific Telephone
	SHERRILL RODERICK	Pacific Telephone
1971	Sherrill John	Pacific Telephone
	Sherrill John Jr	Pacific Telephone
1962	Friedman Delores	Pacific Telephone

FINDINGS

Year	Uses	Source
1962	Friedman Van	Pacific Telephone
	Sherrill John Jr	Pacific Telephone
1942	Haret Mars Esther	Los Angeles Directory Co.
	Jung Francis P Ko slsmn	Los Angeles Directory Co.
1937	DAVIS Jos steel w kr	Los Angeles Directory Co.
	Mizukami Richd K Flora A clk	Los Angeles Directory Co.
1933	HARVEY Mark M Florence auctioneer	Los Angeles Directory Co.
1924	Beaty M C insp h	Los Angeles Directory Co.

733 E 49TH

Year	Uses	Source
1990	JOHNSON CELESTE	Pacific Bell
1986	JOHNSON CELESTE	Pacific Bell
1981	JOHNSON CELELSTE	Pacific Telephone
1971	Johnson Celeste	Pacific Telephone
	Gipson Roosevelt Mrs	Pacific Telephone
1962	Thompson Thelma	Pacific Telephone
	Johnson Celeste	Pacific Telephone
1942	WALSH Alice hskpr	Los Angeles Directory Co.
	Driskell Cecil J aircrftw kr	Los Angeles Directory Co.
	Driskell Ethel Mrs	Los Angeles Directory Co.
	Lavin Barney	Los Angeles Directory Co.
	Vandersal Van sprayer	Los Angeles Directory Co.
1937	DAVIS Jos W	Los Angeles Directory Co.
	Lavin Barney Mary	Los Angeles Directory Co.
1933	Heckathorne Donald W sign hngr	Los Angeles Directory Co.
	Lavin Barney Mary	Los Angeles Directory Co.
	Stockford Albt E Pauline jan	Los Angeles Directory Co.
	Stockford Clyde M chauf	Los Angeles Directory Co.
1929	BEST John A Erma slsmn May Co	Los Angeles Directory Co.
	MILLER Margt bkpr	Los Angeles Directory Co.
	MILLER Martha bkpr Harry Needle	Los Angeles Directory Co.
	Lavin Barney Mary meat ctr	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1924	Belyea Robt D clk h	Los Angeles Directory Co.
	JOHNSON Leslie r	Los Angeles Directory Co.
	Lavin Barney meat ctr h	Los Angeles Directory Co.

743 E 49TH

Year	Uses	Source
1971	Mc Griggs Julius Q	Pacific Telephone

745 E 49TH

Year	Uses	Source
1990	LOPEZ EVARISTO	Pacific Bell
1986	LOPEZ EVARISTO	Pacific Bell
1942	SAUNDERS Artelia	Los Angeles Directory Co.
	Sporney Chas S Addie shoe repr	Los Angeles Directory Co.
1937	JOHNSON Edw in G Jessie lab	Los Angeles Directory Co.
	HANNAH Paul Melba porter	Los Angeles Directory Co.
	STORES Jas H Alma	Los Angeles Directory Co.
1933	Griggs Esther w id Eli	Los Angeles Directory Co.
	Raup Henry F Lula clk	Los Angeles Directory Co.
1929	Raup H Floyd Lula clk h	Los Angeles Directory Co.

751 E 49TH

Year	Uses	Source
1990	BUTLER ERNEST L	Pacific Bell
1986	BUTLER ERNEST L	Pacific Bell
1981	BUTLER ERNEST L	Pacific Telephone
1971	Law rence Nathaniel	Pacific Telephone
1962	Pease Douglas	Pacific Telephone
	Bishop Elnora Marie	Pacific Telephone
1942	CASPAR Mary Mrs	Los Angeles Directory Co.
1937	KASPER John Mary	Los Angeles Directory Co.
	KASPER Mary	Los Angeles Directory Co.
1933	Kasper John Mary	Los Angeles Directory Co.
1929	Kosperow ez John Mary carp	Los Angeles Directory Co.

FINDINGS

Year	Uses	Source
1929	Kosperowez Mitchell V mach	Los Angeles Directory Co.
	Kosperowez Stanley M	Los Angeles Directory Co.
	Kosperowez Stephen T dentist	Los Angeles Directory Co.
1924	JOHNSON John carp h	Los Angeles Directory Co.

755 E 49TH

Year	Uses	Source
1981	SMITH BENNIE	Pacific Telephone
1942	Paridals Delphine Mrs	Los Angeles Directory Co.
1937	Paridaens Julius Delphine barber	Los Angeles Directory Co.
1929	Paridaens Jullius barber	Los Angeles Directory Co.
	Paradise Jules Delphinne barber	Los Angeles Directory Co.
1924	Perandanco Julius barber h	Los Angeles Directory Co.

763 E 49TH

Year	Uses	Source
1990	BALDWIN VELMA	Pacific Bell
1986	BALDWIN VELMA	Pacific Bell
1981	BALDWIN VELMA	Pacific Telephone
1942	Ransaw Alla	Los Angeles Directory Co.
1937	Lista Louis	Los Angeles Directory Co.
1933	Siggio Vincent Frances pdlr	Los Angeles Directory Co.
1929	Roush Addie Mrs dom r	Los Angeles Directory Co.
	Santoro Frank non mldr r	Los Angeles Directory Co.
1924	Lista Louis janitor h	Los Angeles Directory Co.

695 1/2 E 49TH

Year	Uses	Source
1990	FALLIE FLOYD	Pacific Bell

709 1/2 E 49TH

Year	Uses	Source
1981	SPRUELL ETHEL	Pacific Telephone

FINDINGS

723 1/2 E 49TH

Year	*Uses*	*Source*
1990	SMITH PEARLIE	Pacific Bell

739 1/2 E 49TH

Year	*Uses*	*Source*
1981	MCMEANS CLIFTON	Pacific Telephone

751 1/2 E 49TH

Year	*Uses*	*Source*
1990	LAWRENCE NATHANIEL	Pacific Bell

E 49TH PL

707 E 49TH PL

Year	*Uses*	*Source*
1981	WALKER JUANITA	Pacific Telephone

E 49TH ST

676 E 49TH ST

Year	*Uses*	*Source*
1958	Randolph Maggie B	Pacific Telephone

682 E 49TH ST

Year	*Uses*	*Source*
1958	Greene Elw ood Jr	Pacific Telephone
	Greene Della B	Pacific Telephone

683 E 49TH ST

Year	*Uses*	*Source*
2014	YASTER MARROQUIN	Cole Information Services
	LILIANA SOSA	Cole Information Services
	LAURA ESTRADA	Cole Information Services
	PABLO GOMEZ	Cole Information Services
2009	TOMAS RODRIGUEZ	Cole Information Services
	MARIA MARILES	Cole Information Services
	LAURA ESTRADA	Cole Information Services

FINDINGS

Year	Uses	Source
2009	MARIBEL MARAVILLA	Cole Information Services
	YASTER MARROQUIN	Cole Information Services
2006	SANTOS Ericka	Haines Company, Inc
	MARROQUIN Yaster	Haines Company, Inc
	MARILES Mria	Haines Company, Inc
	ESTRADA Laura	Haines Company, Inc
2004	MARIA MARILES	Cole Information Services
	YASTER MARROQUIN	Cole Information Services
1999	TOMAS RODRIGUEZ	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
	MARIA MARILES	Cole Information Services
	MARIBEL MARAVILLA	Cole Information Services
	YASTER MARROQUIN	Cole Information Services
	LAURA ESTRADA	Cole Information Services
1967	Allen Mattie Lee	Pacific Telephone

684 E 49TH ST

Year	Uses	Source
1967	Jones Woodrow	Pacific Telephone
1958	Henry Wilhelmina	Pacific Telephone

686 E 49TH ST

Year	Uses	Source
1967	Johnson Eva	Pacific Telephone
1958	Daniels Irma	Pacific Telephone

687 E 49TH ST

Year	Uses	Source
2014	FIDEL GONZALEZ	Cole Information Services
	FIDEL GONSALEZ	Cole Information Services
	NICOLASA BAUTISTA	Cole Information Services
	JOSE CASTELLON	Cole Information Services
	ELESTRE MANZANAREZ	Cole Information Services
2009	FELIPE HERRERA	Cole Information Services

FINDINGS

Year	Uses	Source
2009	FIDEL GONSALEZ	Cole Information Services
	ALFONZO RODRIGUEZ	Cole Information Services
	ALBERTO HERNANDEZ	Cole Information Services
	FABIAN FLORES	Cole Information Services
	JOSE MUNOZ	Cole Information Services
2006	ANDRADE Alberdna	Haines Company, Inc
	MUNOZJose	Haines Company, Inc
2004	ALFONZO RODRIGUEZ	Cole Information Services
	JOHNY HERNANDEZ	Cole Information Services
	JOSE MUNOZ	Cole Information Services
	FELIPE HERRERA	Cole Information Services
1999	JOSE MUNOZ	Cole Information Services
	FELIPE HERRERA	Cole Information Services
	FIDEL GONSALEZ	Cole Information Services
	ALBERTO HERNANDEZ	Cole Information Services
	FABIAN FLORES	Cole Information Services
	ALFONZO RODRIGUEZ	Cole Information Services
1967	Fox Robt C	Pacific Telephone

688 E 49TH ST

Year	Uses	Source
1967	Robinson Ola Lee	Pacific Telephone

689 E 49TH ST

Year	Uses	Source
2014	ANTONIO CARRILLO	Cole Information Services
2009	ANTONIO CARRILLO	Cole Information Services
2004	OTILIO LOPEZ	Cole Information Services
1999	ANTONIO CARRILLO	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1967	Walker Bessie Lee	Pacific Telephone
1958	Rembert Grant	Pacific Telephone
	Parker Jack	Pacific Telephone
	Butler Leroy	Pacific Telephone

FINDINGS

690 E 49TH ST

Year	Uses	Source
1967	Wheatley Dela Mae	Pacific Telephone
	Daneils Neitha Ann	Pacific Telephone
1958	Raney Sinclair T	Pacific Telephone
	Raney Leatha	Pacific Telephone

692 E 49TH ST

Year	Uses	Source
1967	Black How ard	Pacific Telephone

695 E 49TH ST

Year	Uses	Source
2014	JORGE TAPIA	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
	JORGE TAPIA	Cole Information Services
2006	TAPIAJorge	Haines Company, Inc
2004	OCCUPANT UNKNOWN	Cole Information Services
	LINDSEY MOCK	Cole Information Services
1999	JORGE TAPIA	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1994	FALLIE, FLOYD	Cole Information Services
1958	Norman Cleo	Pacific Telephone

697 E 49TH ST

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services

701 E 49TH ST

Year	Uses	Source
2014	GUSTAVO MUNOZ	Cole Information Services
2009	MARIA SAUCEDO	Cole Information Services
2006	a MUNOZ Rlgoberto	Haines Company, Inc

FINDINGS

Year	Uses	Source
1999	MARIA SAUCEDO	Cole Information Services
1958	Castleberry Morris Mrs	Pacific Telephone

703 E 49TH ST

Year	Uses	Source
2009	JUAN MUNOZ	Cole Information Services
1999	JUAN MUNOZ	Cole Information Services

706 E 49TH ST

Year	Uses	Source
1967	Green Glenners	Pacific Telephone

708 E 49TH ST

Year	Uses	Source
1958	Jones Napoleon	Pacific Telephone

709 E 49TH ST

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
	VERONICA ROSALES	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
	VERONICA ROSALES	Cole Information Services
2006	e VALLE Abaham	Haines Company, Inc
	ROSALES Veronica	Haines Company, Inc
2004	VERONICA ROSALES	Cole Information Services
	ABRAHAM VALLE	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1999	VERONICA ROSALES	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1994	BARR, M	Cole Information Services
1967	Spruell Ethel	Pacific Telephone
	Barr Margaret	Pacific Telephone
1958	Barr Margaret	Pacific Telephone

FINDINGS

710 E 49TH ST

Year	Uses	Source
1958	Jones Bettie Wayne	Pacific Telephone

715 E 49TH ST

Year	Uses	Source
2014	VICTORIA BUTLER	Cole Information Services
2009	VICTORIA BUTLER	Cole Information Services
2006	NORMAN Robert	Haines Company, Inc
2004	ROBERT NORMAN	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
	VICTORIA BUTLER	Cole Information Services
1967	Wines Jessie M	Pacific Telephone
1958	Terrell Benj	Pacific Telephone
	Roberson Willis	Pacific Telephone
	Roberson Juanita	Pacific Telephone

716 E 49TH ST

Year	Uses	Source
1958	Smith Climmie Bryant	Pacific Telephone

721 E 49TH ST

Year	Uses	Source
2014	IRVING GONZALES	Cole Information Services
2009	ROLANAH ANDERSON	Cole Information Services
2006	WILLIAMS Odeen	Haines Company, Inc
2004	MARVIN WWLSON	Cole Information Services
1999	L HADNOTT	Cole Information Services
	ROLANAH ANDERSON	Cole Information Services
1967	Hadnott Lucy	Pacific Telephone
	Hadnott L C	Pacific Telephone

723 E 49TH ST

Year	Uses	Source
2014	NORMA BRENT	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services

FINDINGS

Year	Uses	Source
2009	NORMA BRENT	Cole Information Services
2006	SMITH Peadie	Haines Company, Inc
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
	NORMA BRENT	Cole Information Services
1994	SMITH, PEARLIE	Cole Information Services
1967	Knowles Clarence	Pacific Telephone
	Smith Cleveland	Pacific Telephone
	Smith Pearlie	Pacific Telephone
1958	Prothro Jimmie Rev	Pacific Telephone
	Warren R W	Pacific Telephone

724 E 49TH ST

Year	Uses	Source
1958	Ramos Roy	Pacific Telephone

727 E 49TH ST

Year	Uses	Source
2014	MICHAEL SHERRILL	Cole Information Services
2009	ANITA SHERRILL	Cole Information Services
2006	SHERRILL Anita	Haines Company, Inc
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	ANITA SHERRILL	Cole Information Services
1994	SHERRILL, ANITA	Cole Information Services
1967	Coleford Leola	Pacific Telephone
	Sherrill John Jr	Pacific Telephone
1958	Sherrill John Jr	Pacific Telephone

733 E 49TH ST

Year	Uses	Source
2014	CIRILO MORENO	Cole Information Services
2009	CIRILO MORENO	Cole Information Services
	ISAIAS VALDEZ	Cole Information Services
2006	JUAREZ Isaas	Haines Company, Inc

FINDINGS

Year	Uses	Source
2004	ISAIAS VALDEZ	Cole Information Services
	CHAD CARNEY	Cole Information Services
1999	ISAIAS VALDEZ	Cole Information Services
	CIRILO MORENO	Cole Information Services
	OCCUPANT UNKNOWN	Cole Information Services
1967	Johnson Celeste	Pacific Telephone
	Gipson Roosevelt Mrs	Pacific Telephone
1958	Johnson Celeste	Pacific Telephone
	Conley Lola	Pacific Telephone

735 E 49TH ST

Year	Uses	Source
2004	FRANCISCO HERNANDEZ	Cole Information Services

739 E 49TH ST

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
2006	RAMOS Victor	Haines Company, Inc
2004	MAURO PEREZ	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
1967	McMeans Clifton	Pacific Telephone
	Bailey Brunetta L	Pacific Telephone
1958	Mc Means Clifton	Pacific Telephone
	Bailey Brunetta L	Pacific Telephone

743 E 49TH ST

Year	Uses	Source
2014	JOSE LEZAMA	Cole Information Services
2009	OCCUPANT UNKNOWN	Cole Information Services
1999	OCCUPANT UNKNOWN	Cole Information Services
1994	GARCIA, MARTHA L	Cole Information Services
1967	Hollow ay Johnnie	Pacific Telephone
	McGriggs Julius Q	Pacific Telephone

FINDINGS

Year	Uses	Source
1958	Booker Elizabeth	Pacific Telephone

745 E 49TH ST

Year	Uses	Source
2014	EVARISTO LOPEZ	Cole Information Services
2009	EVARISTO LOPEZ	Cole Information Services
2006	LOPEZ Evaristo	Haines Company, Inc
2004	EVARISTO LOPEZ	Cole Information Services
1999	EVARISTO LOPEZ	Cole Information Services

751 E 49TH ST

Year	Uses	Source
2014	OCCUPANT UNKNOWN	Cole Information Services
	LOPEZ FUENTES	Cole Information Services
2009	LEONEL LOPEZ	Cole Information Services
	LOPEZ FUENTES	Cole Information Services
2006	LOPEZLeonel	Haines Company, Inc
2004	OCCUPANT UNKNOWN	Cole Information Services
	MARTIN LOPEZ	Cole Information Services
1999	MICHEAL CARDENAS	Cole Information Services
	LOPEZ FUENTES	Cole Information Services
	LEONEL LOPEZ	Cole Information Services
1967	Law rence Nathaniel	Pacific Telephone
	Prase Douglas	Pacific Telephone
1958	Thompson Gloria	Pacific Telephone

755 E 49TH ST

Year	Uses	Source
2014	BENNIE SMITH	Cole Information Services
2009	JAMES SMITH	Cole Information Services
2006	o SMrr Hl James E	Haines Company, Inc
2004	JAMES SMITH	Cole Information Services
1999	JAMES SMITH	Cole Information Services

FINDINGS

763 E 49TH ST

Year	Uses	Source
2009	LAAWRENCE HALL	Cole Information Services
2006	BRANCH Janetta	Haines Company, Inc
2004	JANETTA BRANCH	Cole Information Services
1999	LAAWRENCE HALL	Cole Information Services
1994	BALDWIN, VELMA	Cole Information Services
1958	Rogers R L	Pacific Telephone

765 E 49TH ST

Year	Uses	Source
1967	Rodriguez Dora	Pacific Telephone
1958	Washington Luberta	Pacific Telephone

771 E 49TH ST

Year	Uses	Source
2014	MARTHA VILLATORO	Cole Information Services
2009	JOSE VILLATORO	Cole Information Services
2006	e VILLATORO Martha	Haines Company, Inc
2004	OCCUPANT UNKNOWN	Cole Information Services
1999	JOSE VILLATORO	Cole Information Services
1958	Shaw Oscar C	Pacific Telephone

773 E 49TH ST

Year	Uses	Source
2014	JOSE TABARES	Cole Information Services
2009	GUADALUPE LAGUNAS	Cole Information Services
2006	TABARESJose	Haines Company, Inc
1999	GUADALUPE LAGUNAS	Cole Information Services
1967	Taylor Bobby G	Pacific Telephone

775 E 49TH ST

Year	Uses	Source
2014	SERGIO ALVAREZ	Cole Information Services
2009	SERGIO ALVAREZ	Cole Information Services
2006	a GRANT Sarah	Haines Company, Inc

FINDINGS

Year	Uses	Source
2004	SARAH GRANT	Cole Information Services
1999	SERGIO ALVAREZ	Cole Information Services

FINDINGS

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
676 E 49TH ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
677 E 49TH	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
682 E 49TH ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
683 E 49TH	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
683 E 49TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
683 E 49TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
684 E 49TH ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
686 E 49TH ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
687 E 49TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
687 E 49TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
688 E 49TH ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
689 E 49TH	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
689 E 49TH ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
689 E 49TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
690 E 49TH ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
692 E 49TH ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
695 1/2 E 49TH	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
695 E 49TH	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
695 E 49TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
695 E 49TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
697 E 49TH ST	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
701 E 49TH ST	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
701 E 49TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
703 E 49TH ST	2014, 2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
706 E 49TH ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
707 E 49TH PL	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
708 49TH ST E	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
708 E 49TH ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
709 1/2 E 49TH	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
709 49TH ST E	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
709 E 49TH	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
709 E 49TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
709 E 49TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
710 49TH ST E	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
710 E 49TH ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
715 49TH ST E	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
715 E 49TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
715 E 49TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
716 49TH ST E	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
716 E 49TH ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
721 E 49TH	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
721 E 49TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
721 E 49TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
723 1/2 E 49TH	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
723 49TH ST E	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
723 E 49TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
723 E 49TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
724 49TH ST E	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
724 E 49TH ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
727 49TH ST E	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
727 E 49TH	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1923, 1921, 1920
727 E 49TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
727 E 49TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
733 49TH ST E	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
733 E 49TH	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
733 E 49TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
733 E 49TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
735 E 49TH ST	2014, 2009, 2006, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
739 1/2 E 49TH	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
739 49TH ST E	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
739 E 49TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
739 E 49TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
743 E 49TH	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
743 E 49TH ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
743 E 49TH ST	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
745 E 49TH	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
745 E 49TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
745 E 49TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
751 1/2 E 49TH	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
751 49TH ST E	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
751 E 49TH	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
751 E 49TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
751 E 49TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
755 E 49TH	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
755 E 49TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
755 E 49TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

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Address Researched	Address Not Identified in Research Source
763 E 49TH	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1940, 1939, 1938, 1936, 1935, 1934, 1932, 1931, 1930, 1928, 1927, 1926, 1925, 1923, 1921, 1920
763 E 49TH ST	2014, 2006, 2003, 2001, 2000, 1996, 1995, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
763 E 49TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
765 E 49TH ST	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
771 49TH ST E	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
771 E 49TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
771 E 49TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
773 49TH ST E	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
773 E 49TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
773 E 49TH ST	2006, 2004, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
775 49TH ST E	2014, 2009, 2006, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
775 E 49TH ST	2014, 2009, 2004, 2003, 2001, 2000, 1999, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920
775 E 49TH ST	2006, 2003, 2001, 2000, 1996, 1995, 1994, 1992, 1991, 1990, 1986, 1985, 1981, 1980, 1976, 1975, 1972, 1971, 1970, 1969, 1967, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1958, 1957, 1956, 1955, 1954, 1952, 1951, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
750 East 49th Street	2003, 2001, 2000, 1996, 1995, 1992, 1991, 1985, 1980, 1976, 1975, 1972, 1970, 1969, 1966, 1965, 1964, 1963, 1962, 1961, 1960, 1957, 1956, 1955, 1954, 1952, 1950, 1949, 1948, 1947, 1946, 1945, 1944, 1942, 1940, 1939, 1938, 1937, 1936, 1935, 1934, 1933, 1932, 1931, 1930, 1929, 1928, 1927, 1926, 1925, 1924, 1923, 1921, 1920

750 East 49th Street

750 East 49th Street

Los Angeles, CA 90011

Inquiry Number: 6792994.3

December 17, 2021

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/17/21

Site Name:

750 East 49th Street
750 East 49th Street
Los Angeles, CA 90011
EDR Inquiry # 6792994.3

Client Name:

Tetra Tech Inc.
17885 Von Karman Ave
Irvine, CA 92614
Contact: Tanya Maclean

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Certified Sanborn Results:

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PO # NA

Project T37254.13

Maps Provided:

1970	1950
1968	1922
1966	1906
1962	
1960	
1955	
1954	
1953	

Sanborn® Library search results

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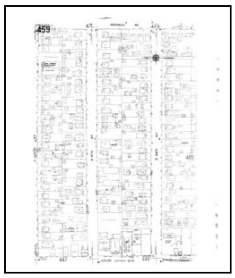
1970 Source Sheets



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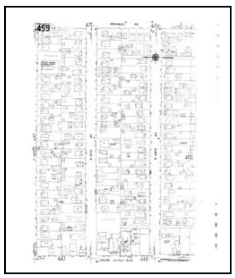
1968 Source Sheets



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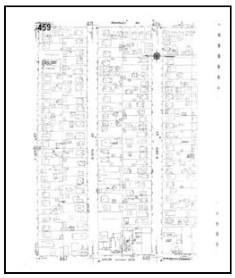
1966 Source Sheets



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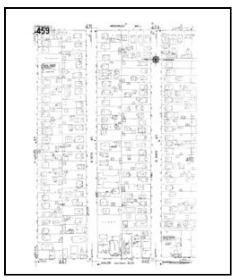
1962 Source Sheets



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Sanborn Sheet Key

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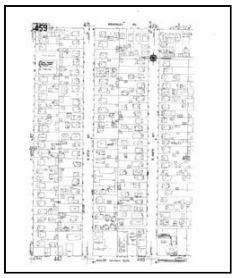
1960 Source Sheets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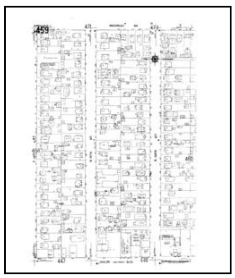
1955 Source Sheets


Volume 4, Sheet 459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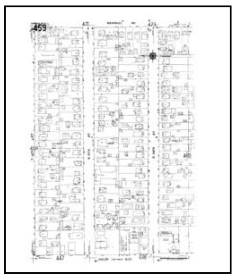
1954 Source Sheets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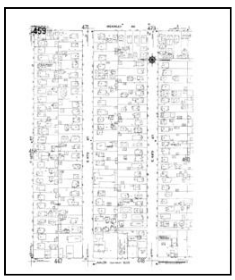
1953 Source Sheets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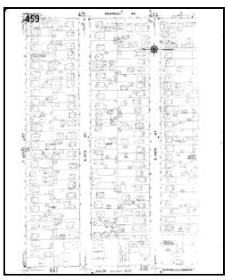
Volume 4, Sheet 460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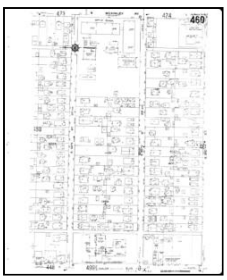
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Sanborn Sheet Key

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1950 Source Sheets



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1922 Source Sheets



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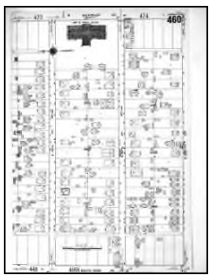

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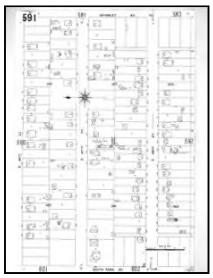
1906 Source Sheets



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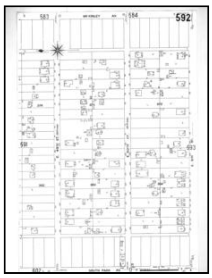
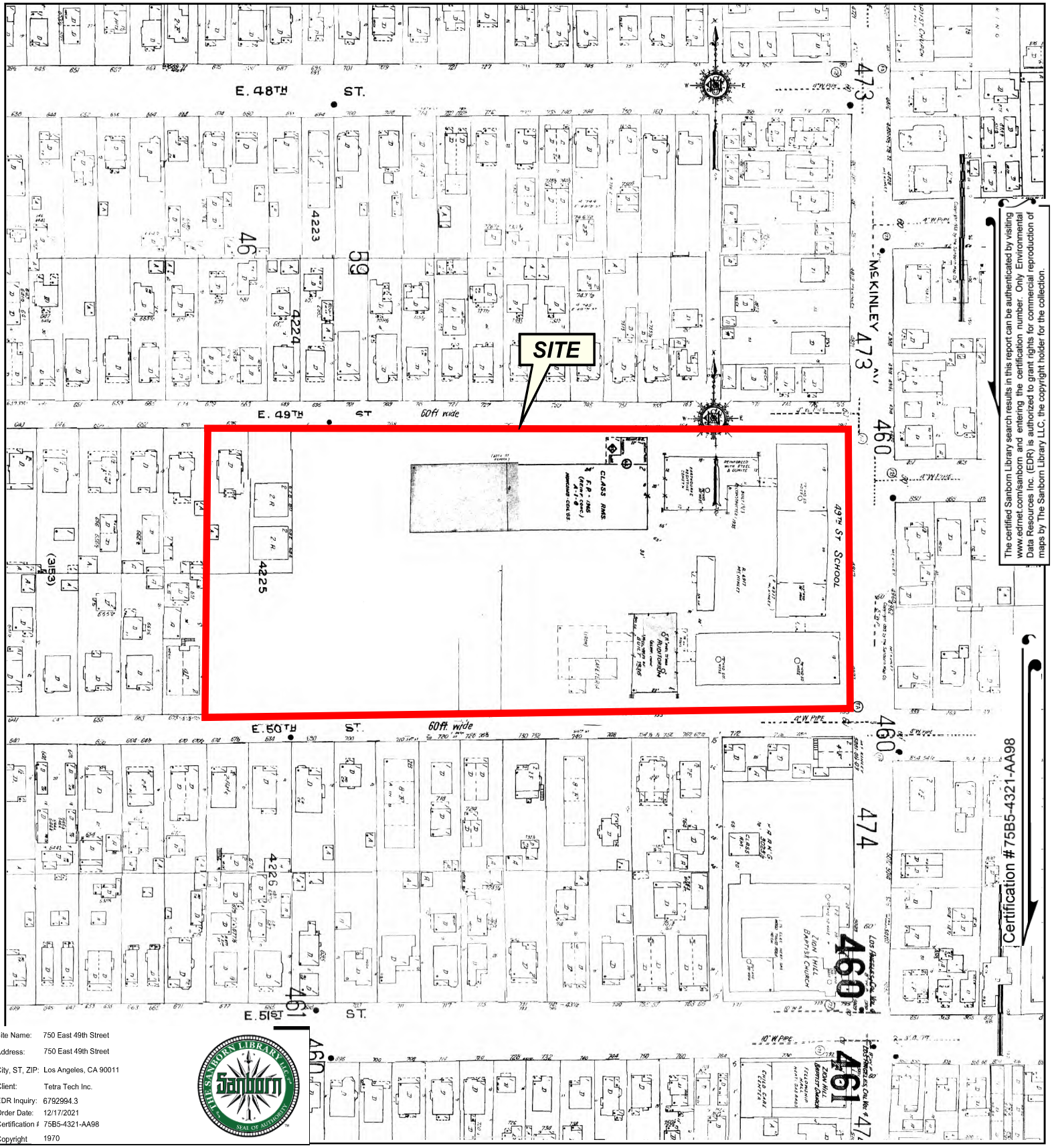


Volume 5, Sheet 592



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Address:	750 East 49th Street
City, ST, ZIP:	Los Angeles, CA 90011
Client:	Tetra Tech Inc.
EDR Inquiry:	6792994.3
Order Date:	12/17/2021
Certification #	75B5-4321-AA98
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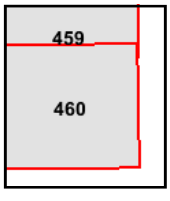

Volume 4, Sheet 460
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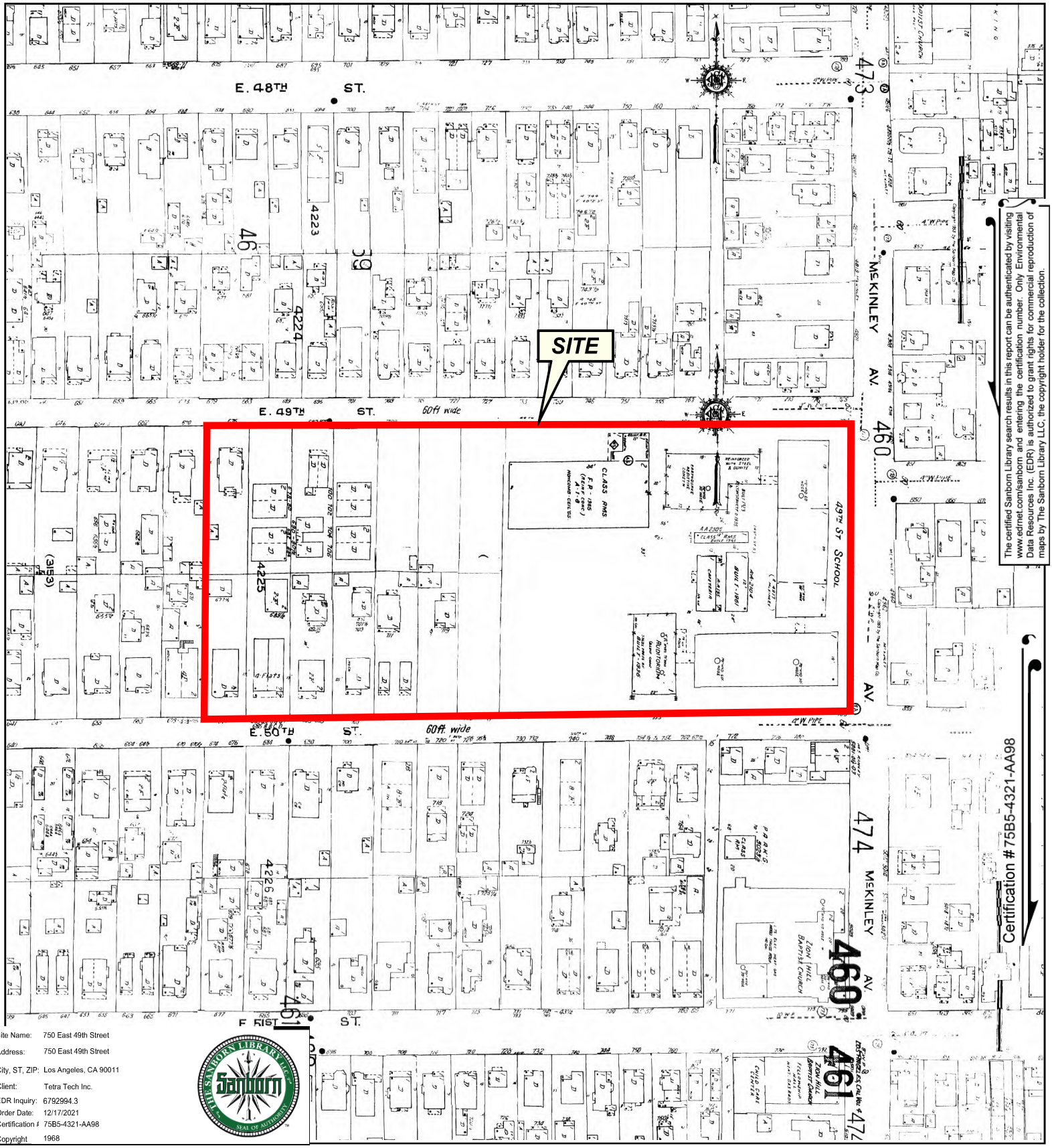

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Address: 750 East 49th Street
City, ST, ZIP: Los Angeles, CA 90011
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EDR Inquiry: 6792994.3
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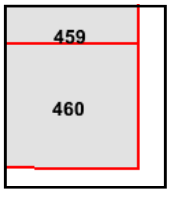

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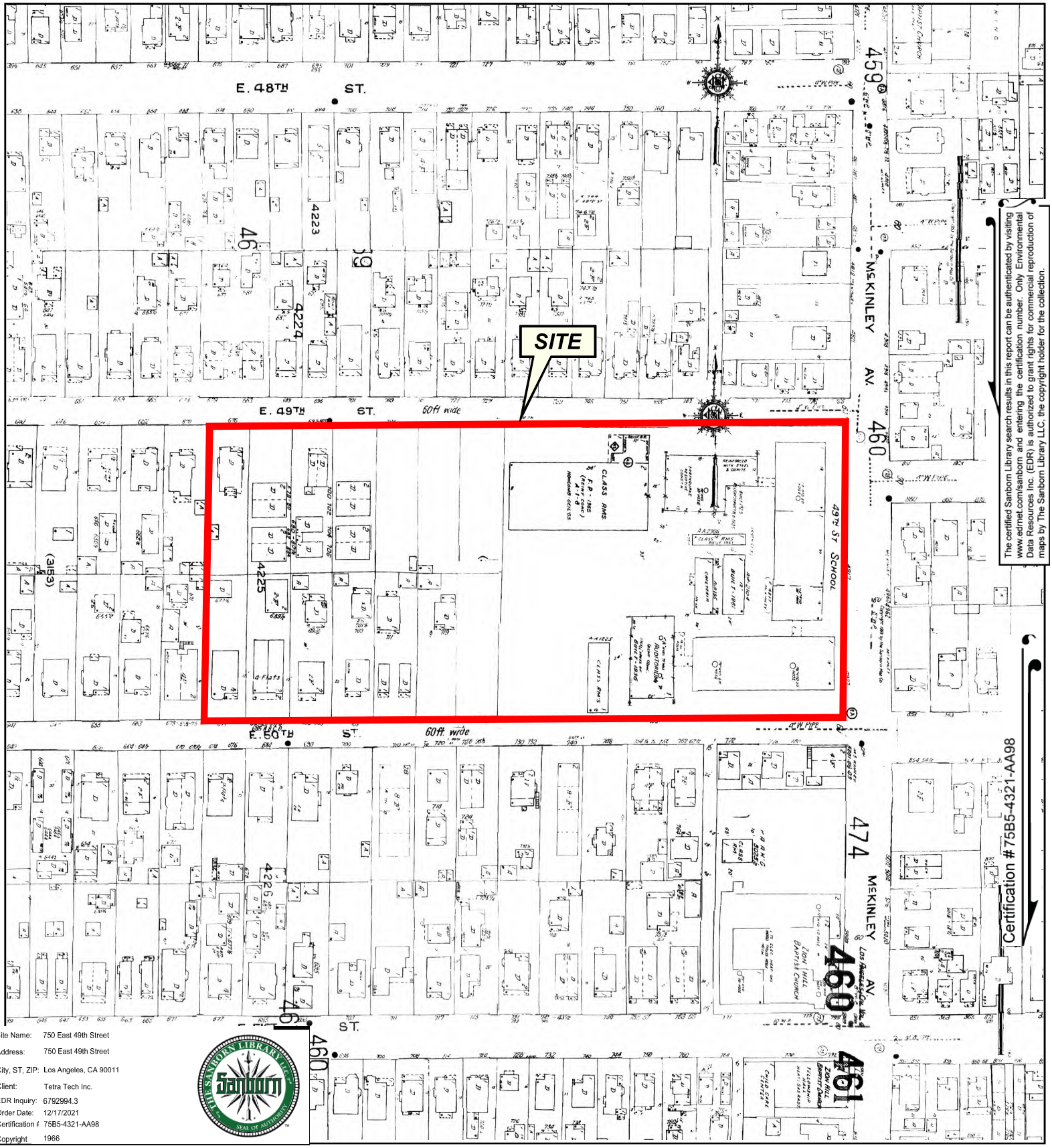

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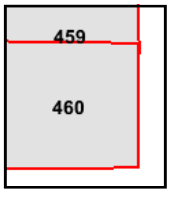

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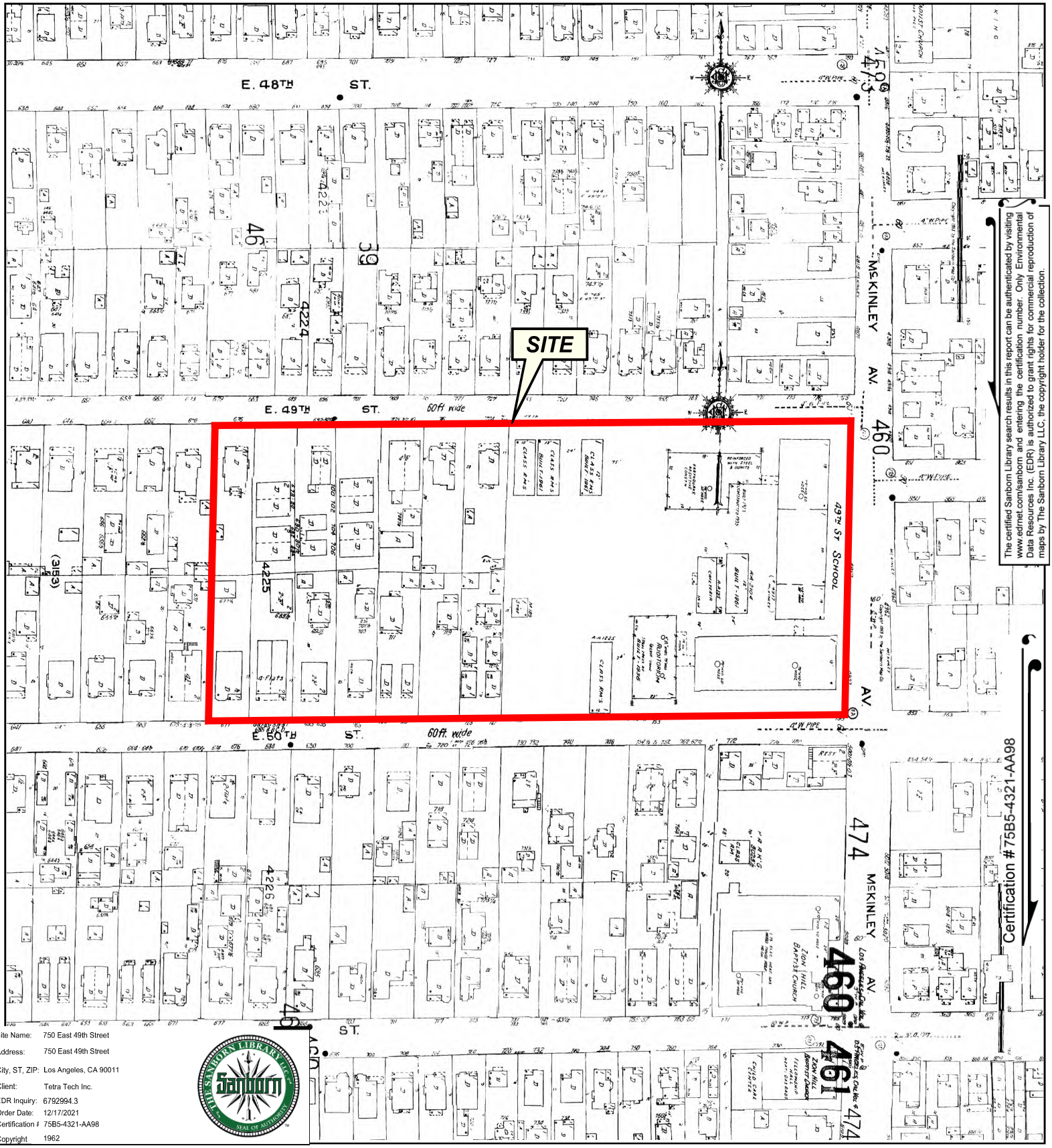

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EDR Inquiry:	6792994.3
Order Date:	12/17/2021
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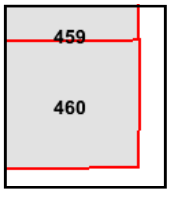

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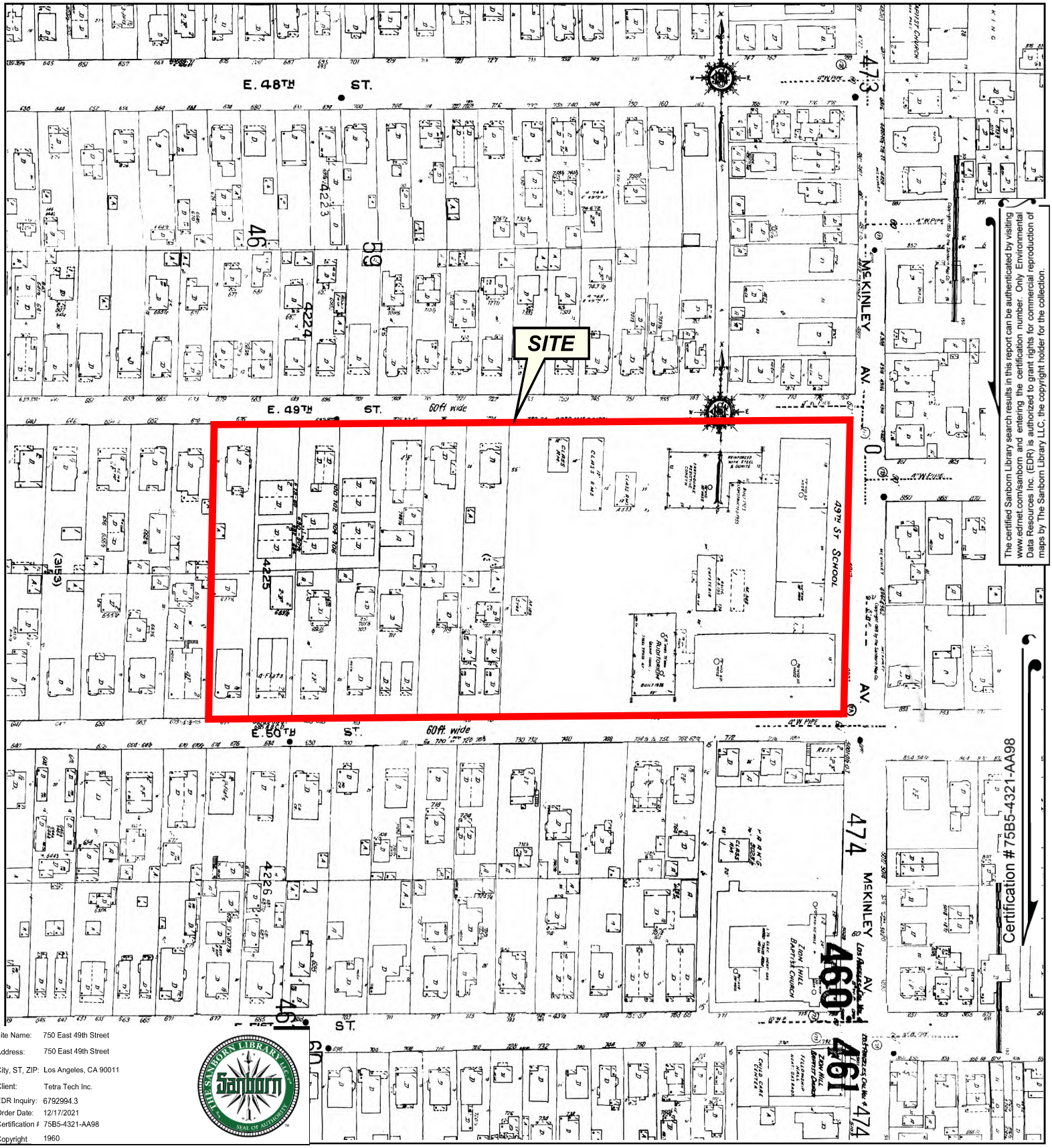

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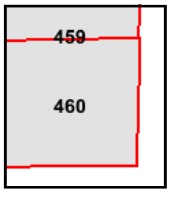

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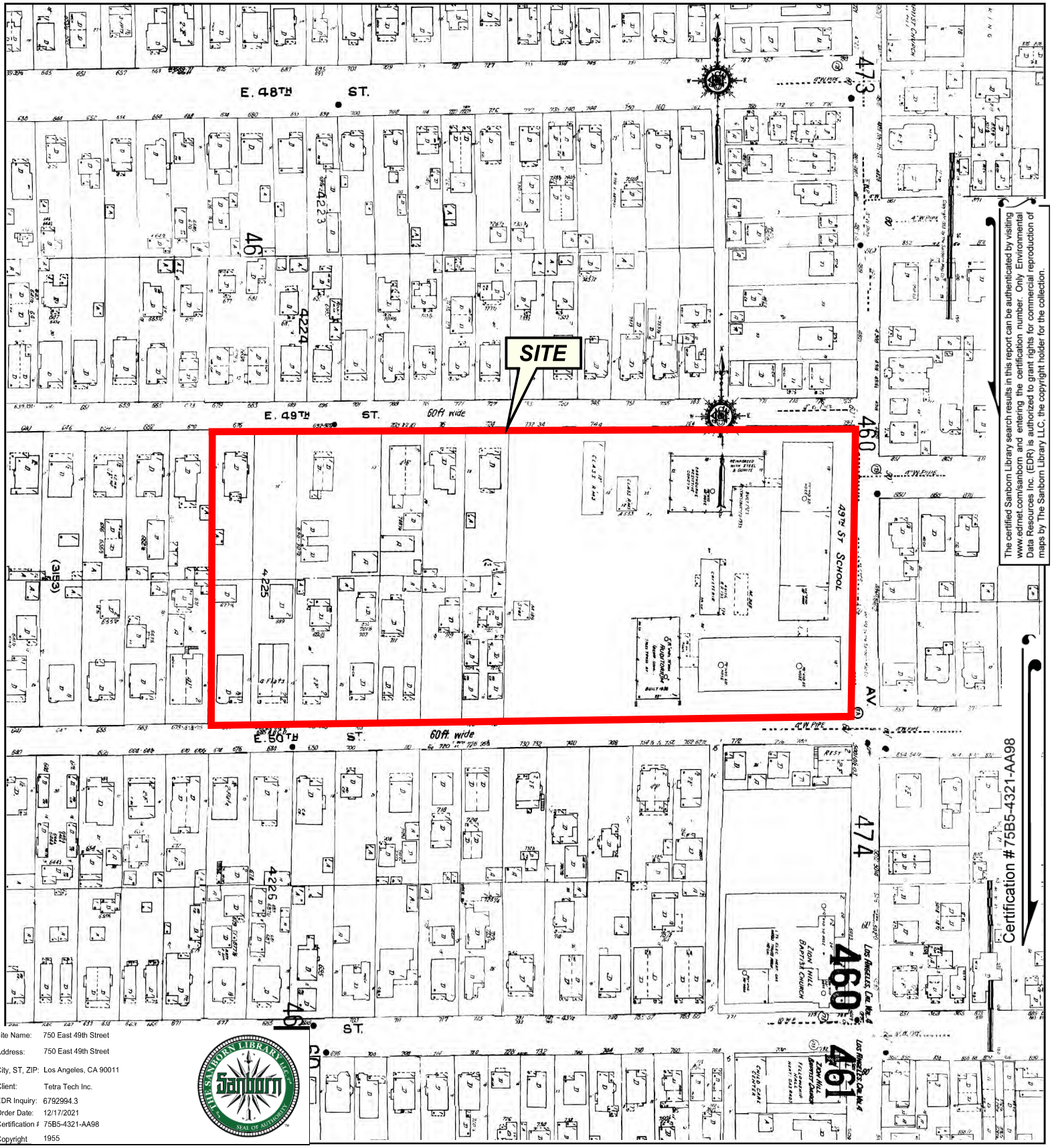

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EDR Inquiry: 6792994.3
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Certification #: 75B5-4321-AA98
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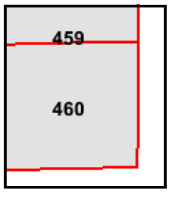

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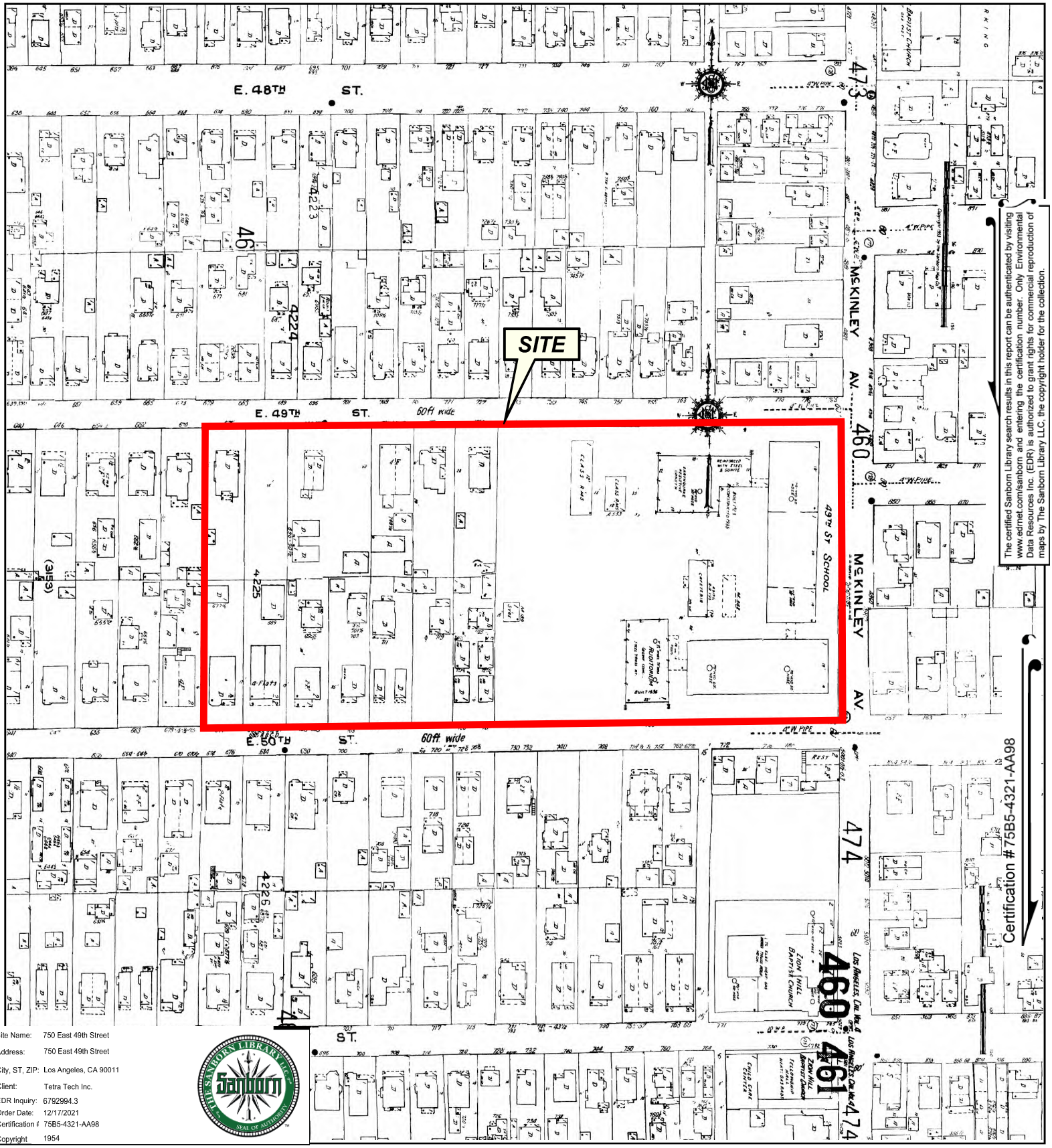
Certified Sanborn® Map

1954



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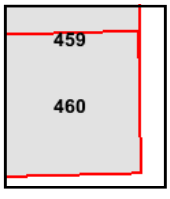
Certification #75B5-4321-AA98

Site Name:	750 East 49th Street
Address:	750 East 49th Street
City, ST, ZIP:	Los Angeles, CA 90011
Client:	Tetra Tech Inc.
EDR Inquiry:	6792994.3
Order Date:	12/17/2021
Certification #	75B5-4321-AA98
Copyright	1954

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

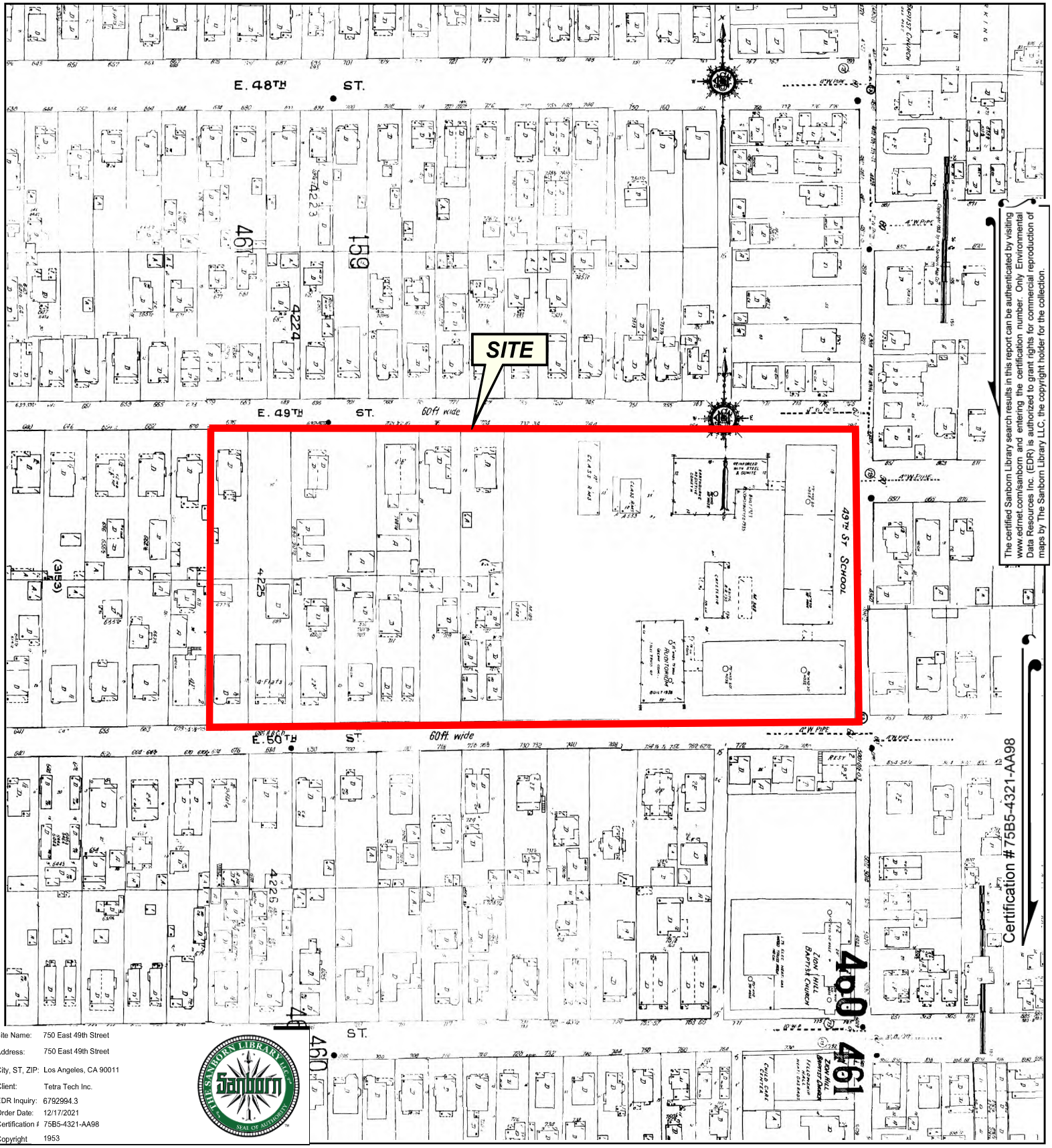
0 Feet 150 300 600





Volume 4, Sheet 460
Volume 4, Sheet 459

N



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Client:	Tetra Tech Inc.
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Order Date:	12/17/2021
Certification #	75B5-4321-AA98
Copyright	1953

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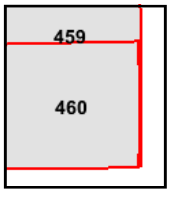

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Volume 4, Sheet 460
Volume 4, Sheet 459

0 Feet 150 300 600

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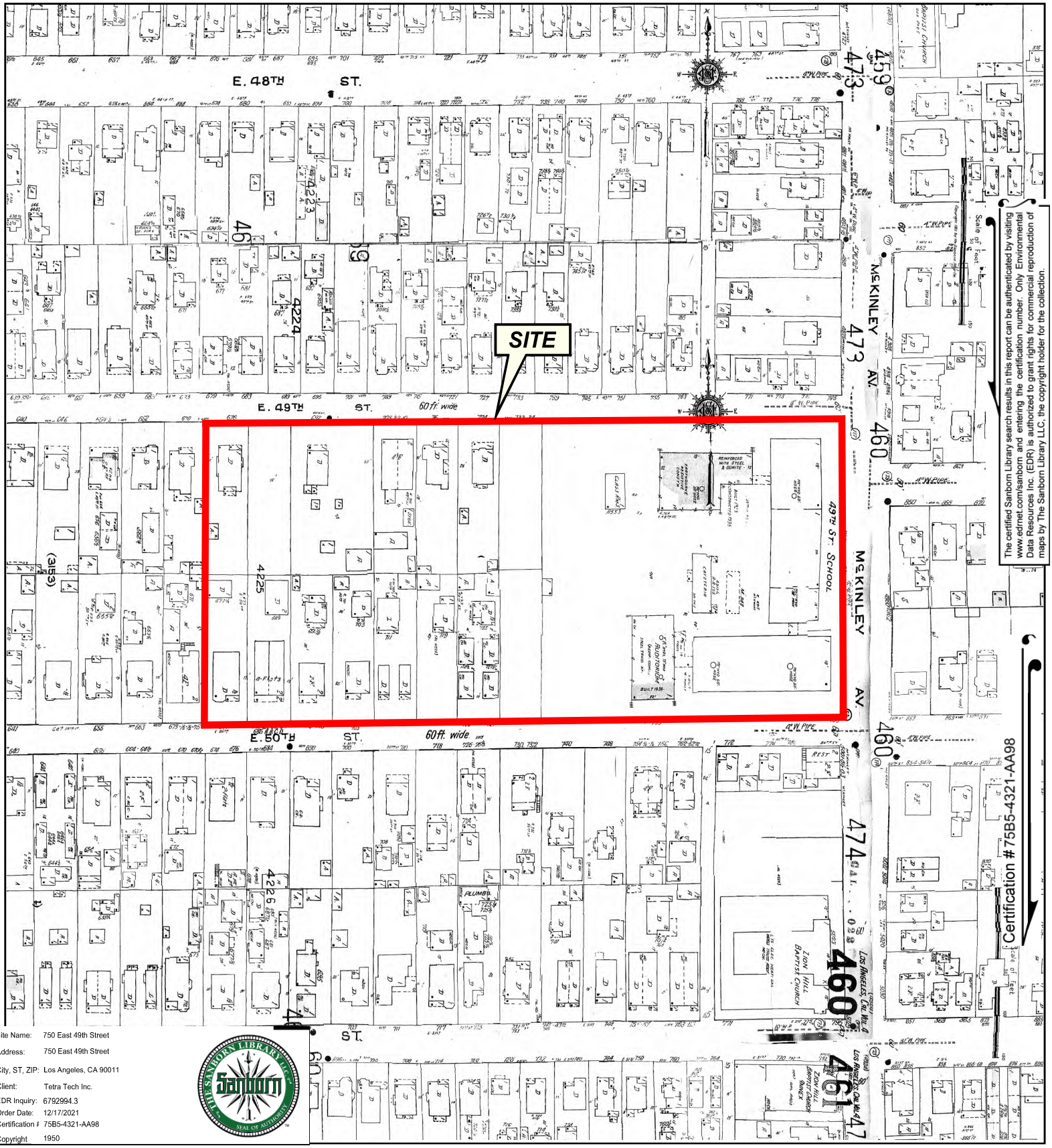
Certified Sanborn® Map

1950



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Site Name:	750 East 49th Street
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City, ST, ZIP:	Los Angeles, CA 90011
Client:	Tetra Tech Inc.
EDR Inquiry:	6792994.3
Order Date:	12/17/2021
Certification #	75B5-4321-AA98
Copyright	1950

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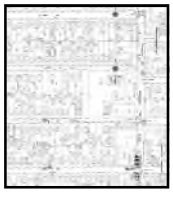
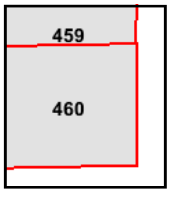
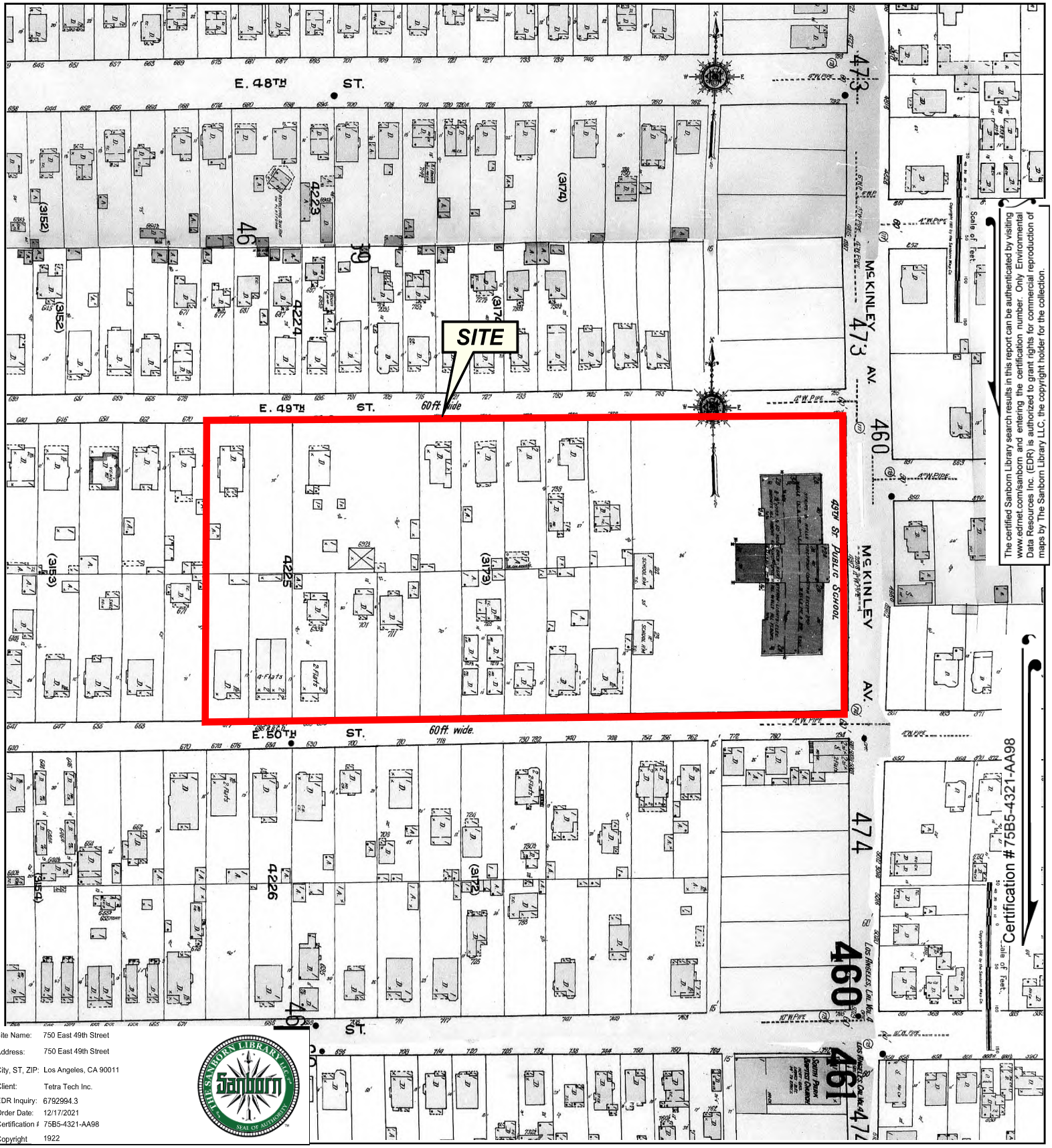




Volume 4, Sheet 460
Volume 4, Sheet 459

N

F-776



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Address:	750 East 49th Street
City, ST, ZIP:	Los Angeles, CA 90011
Client:	Tetra Tech Inc.
EDR Inquiry:	6792994.3
Order Date:	12/17/2021
Certification #	75B5-4321-AA98
Copyright	1922

This Certified Sanborn Map combines the following sheets.
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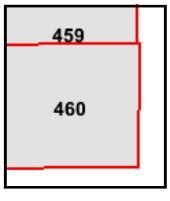
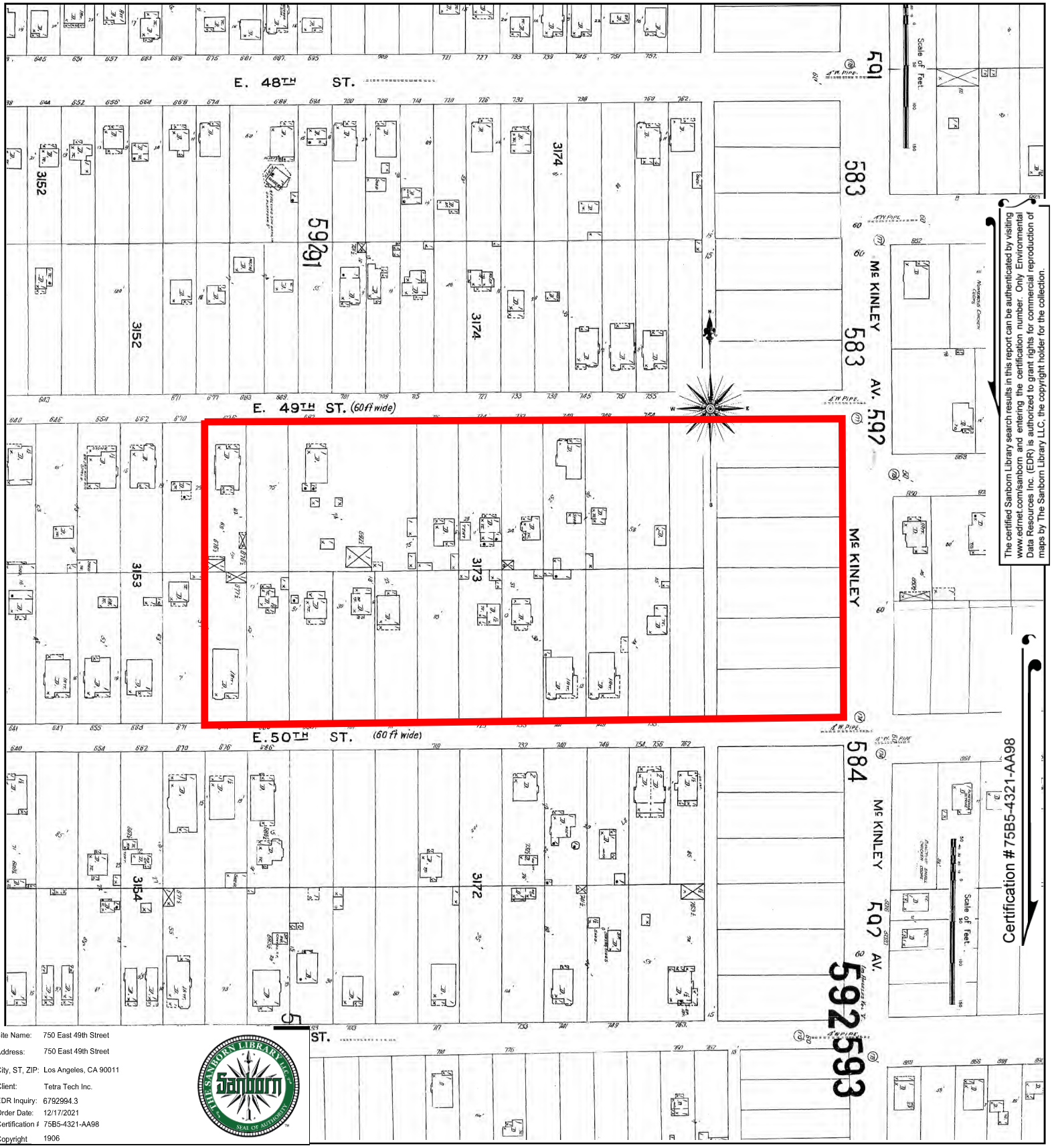


Volume 4, Sheet 460
Volume 4, Sheet 459

N



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Certification #75B5-4321-AA98

Site Name:	750 East 49th Street
Address:	750 East 49th Street
City, ST, ZIP:	Los Angeles, CA 90011
Client:	Tetra Tech Inc.
EDR Inquiry:	6792994.3
Order Date:	12/17/2021
Certification #	75B5-4321-AA98
Copyright	1906

This Certified Sanborn Map combines the following sheets.
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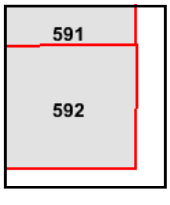

Volume 5, Sheet 592
Volume 5, Sheet 591

N

750 East 49th Street

750 East 49th Street

Los Angeles, CA 90011

Inquiry Number: 6792994.4

December 17, 2021

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

12/17/21

Site Name:

750 East 49th Street
750 East 49th Street
Los Angeles, CA 90011
EDR Inquiry # 6792994.4

Client Name:

Tetra Tech Inc.
17885 Von Karman Ave
Irvine, CA 92614
Contact: Tanya Maclean

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Tetra Tech Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:

P.O.# NA

Project: T37254.13

Coordinates:

Latitude:	33.998102 33° 59' 53" North
Longitude:	-118.262105 -118° 15' 44" West
UTM Zone:	Zone 11 North
UTM X Meters:	383441.19
UTM Y Meters:	3762663.44
Elevation:	181.00' above sea level

Maps Provided:

2018	1949, 1950	1898, 1899, 1900
2015	1947, 1948	1896
2012	1937	1894
1991, 1994	1924, 1928	
1981	1923	
1972	1921	
1964, 1966	1920	
1952, 1953	1902	

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2018 Source Sheets



Inglewood

7.5-minute, 24000



Hollywood

7.5-minute, 24000



South Gate

7.5-minute, 24000



Los Angeles

7.5-minute, 24000

2015 Source Sheets



Inglewood

7.5-minute, 24000



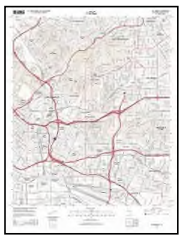
Hollywood

7.5-minute, 24000



South Gate

7.5-minute, 24000



Los Angeles

7.5-minute, 24000

2012 Source Sheets



Inglewood

7.5-minute, 24000



Hollywood

7.5-minute, 24000



South Gate

7.5-minute, 24000



Los Angeles

7.5-minute, 24000

1991, 1994 Source Sheets



Hollywood

7.5-minute, 24000
Aerial Photo Revised 1978



Los Angeles

7.5-minute, 24000
Aerial Photo Revised 1978

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1981 Source Sheets



Hollywood

7.5-minute, 24000
Aerial Photo Revised 1978



South Gate

7.5-minute, 24000
Aerial Photo Revised 1978



Los Angeles

7.5-minute, 24000
Aerial Photo Revised 1978



Inglewood

7.5-minute, 24000
Aerial Photo Revised 1978

1972 Source Sheets



Los Angeles

7.5-minute, 24000
Aerial Photo Revised 1972



South Gate

7.5-minute, 24000
Aerial Photo Revised 1972



Hollywood

7.5-minute, 24000
Aerial Photo Revised 1972



Inglewood

7.5-minute, 24000
Aerial Photo Revised 1972

1964, 1966 Source Sheets



South Gate

7.5-minute, 24000
Aerial Photo Revised 1963



Inglewood

7.5-minute, 24000
Aerial Photo Revised 1963



Hollywood

7.5-minute, 24000
Aerial Photo Revised 1964



Los Angeles

7.5-minute, 24000
Aerial Photo Revised 1964

1952, 1953 Source Sheets



Inglewood

7.5-minute, 24000
Aerial Photo Revised 1947



SOUTH GATE

7.5-minute, 24000



Hollywood

7.5-minute, 24000
Aerial Photo Revised 1952



Los Angeles

7.5-minute, 24000
Aerial Photo Revised 1952

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1949, 1950 Source Sheets



South Gate

7.5-minute, 24000
Aerial Photo Revised 1947



Inglewood

7.5-minute, 24000
Aerial Photo Revised 1947

1947, 1948 Source Sheets



DOWNEY

15-minute, 50000



REDONDO

15-minute, 50000

1937 Source Sheets



Watts

7.5-minute, 24000

1924, 1928 Source Sheets



Watts

7.5-minute, 24000



Los Angeles

7.5-minute, 24000

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1923 Source Sheets



Watts

7.5-minute, 24000

1921 Source Sheets



Santa Monica

15-minute, 62500
Aerial Photo Revised 1919

1920 Source Sheets



SANTA MONICA

15-minute, 62500

1902 Source Sheets



Downey

15-minute, 62500



Santa Monica

15-minute, 62500

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1898, 1899, 1900 Source Sheets



Santa Monica

15-minute, 62500



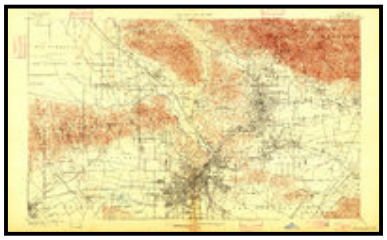
Downey

15-minute, 62500



Pasadena

15-minute, 62500



Los Angeles

15-minute, 62500

1896 Source Sheets



Downey

15-minute, 62500



Redondo

15-minute, 62500



Santa Monica

15-minute, 62500



Pasadena

15-minute, 62500

1894 Source Sheets

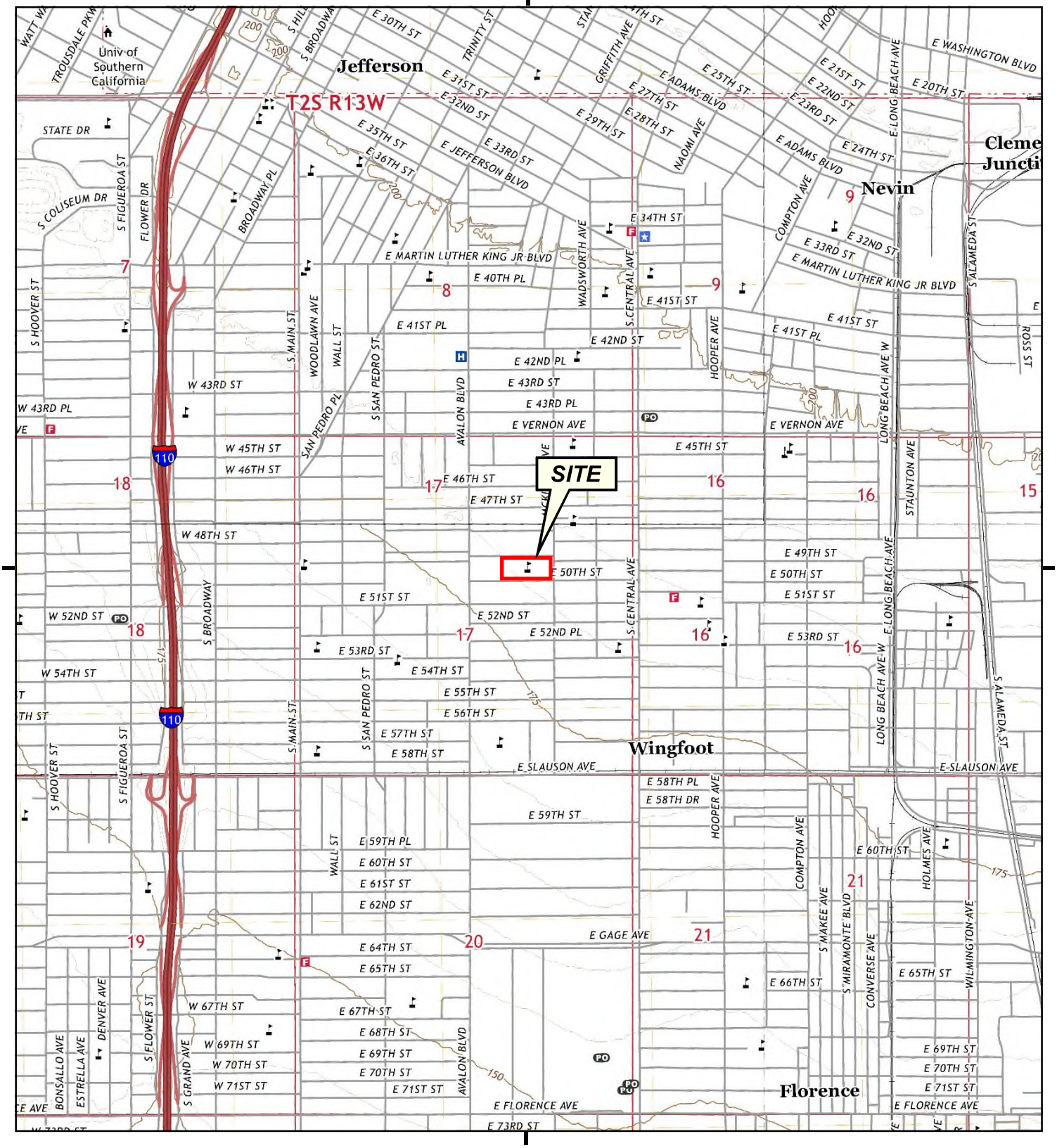


Los Angeles

15-minute, 62500

Historical Topo Map

2018



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Inglewood, 2018, 7.5-minute
NE, Los Angeles, 2018, 7.5-minute
SE, South Gate, 2018, 7.5-minute
NW, Hollywood, 2018, 7.5-minute

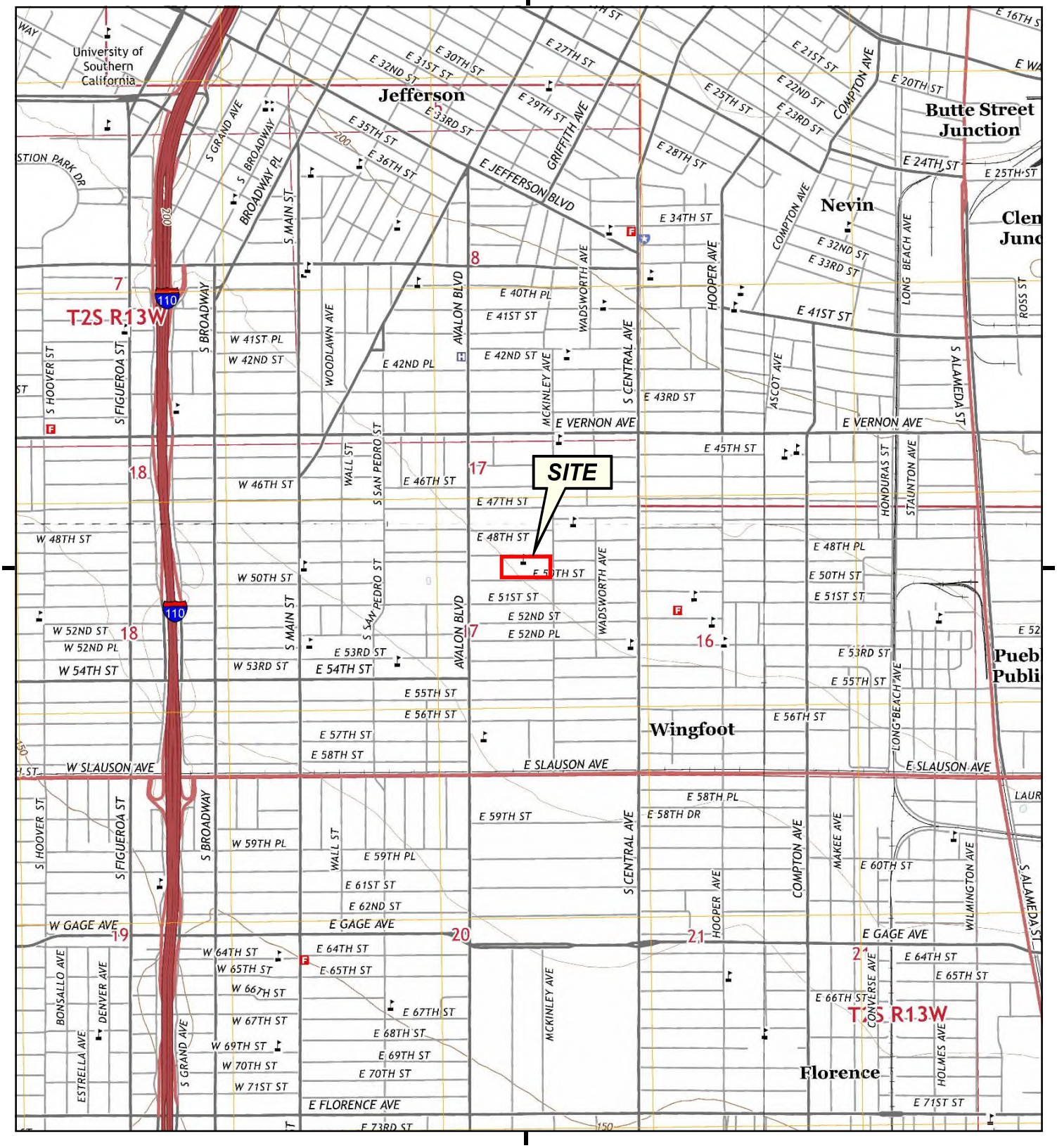
SITE NAME: 750 East 49th Street
ADDRESS: 750 East 49th Street
Los Angeles, CA 90011
CLIENT: Tetra Tech Inc.

N

F-786

Historical Topo Map

2015



This report includes information from the following map sheet(s).

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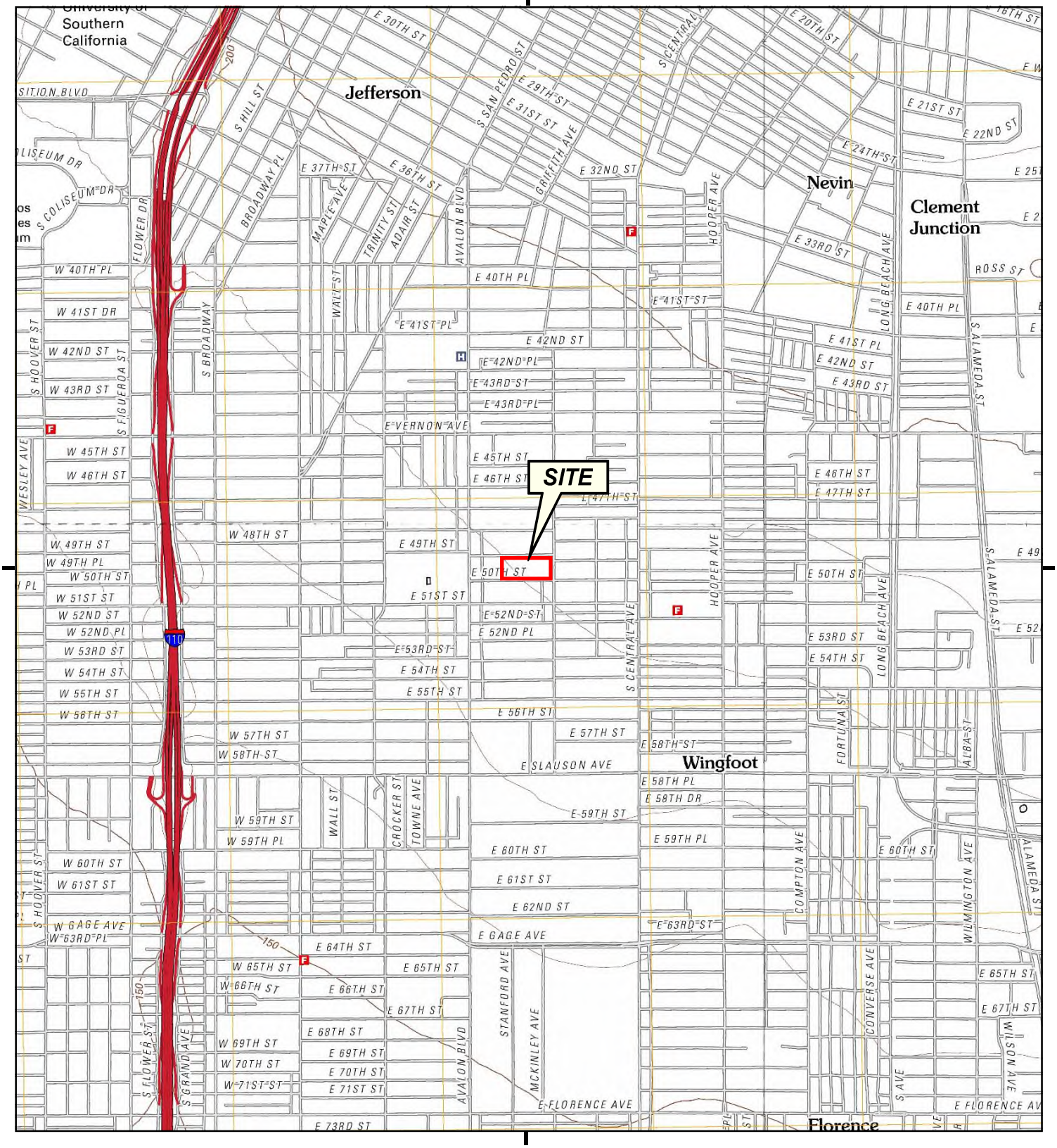
W E
SW S SE

TP, Inglewood, 2015, 7.5-minute
NE, Los Angeles, 2015, 7.5-minute
SE, South Gate, 2015, 7.5-minute
NW, Hollywood, 2015, 7.5-minute

SITE NAME: 750 East 49th Street
ADDRESS: 750 East 49th Street
Los Angeles, CA 90011
CLIENT: Tetra Tech Inc.

N

F-787



This report includes information from the following map sheet(s).

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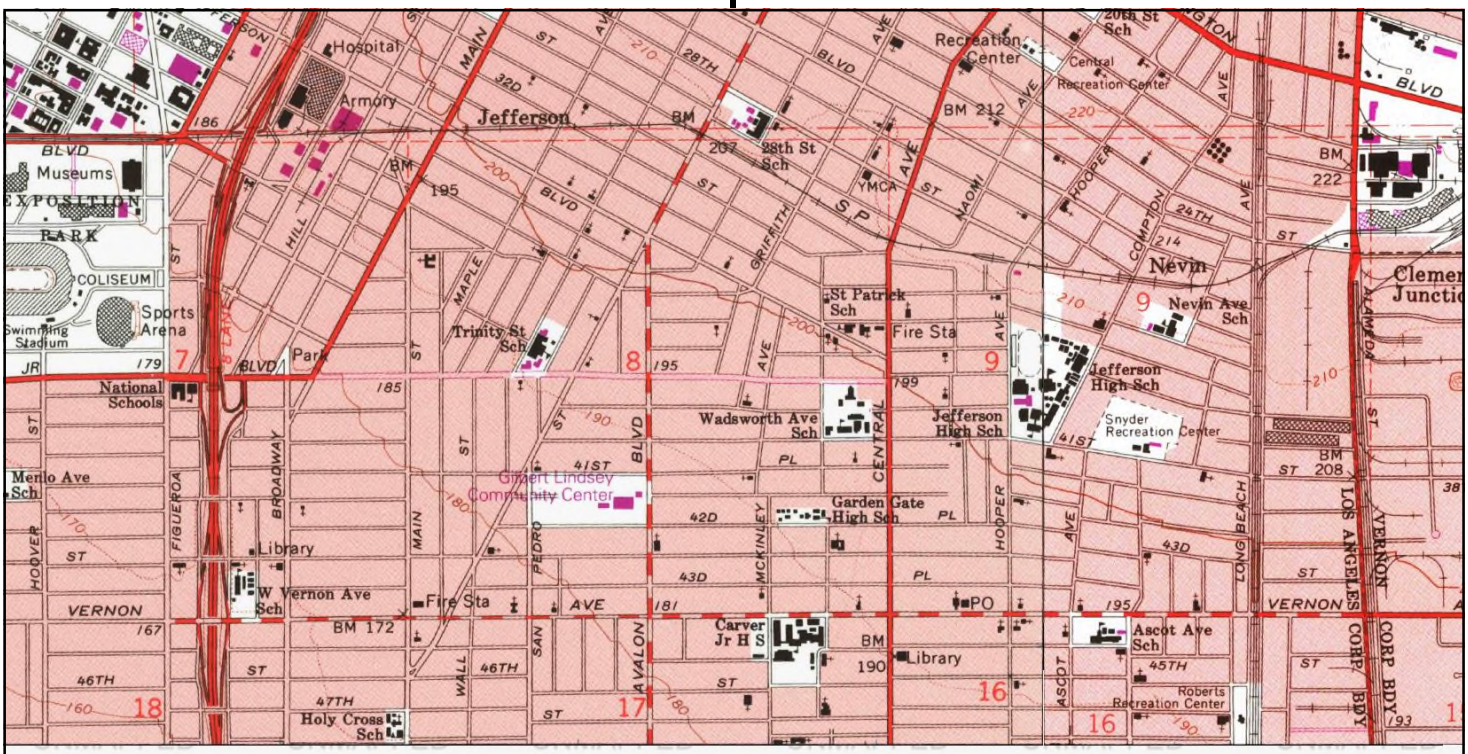
W E
SW S SE

TP, Inglewood, 2012, 7.5-minute
NE, Los Angeles, 2012, 7.5-minute
SE, South Gate, 2012, 7.5-minute
NW, Hollywood, 2012, 7.5-minute

SITE NAME: 750 East 49th Street
ADDRESS: 750 East 49th Street
Los Angeles, CA 90011
CLIENT: Tetra Tech Inc.

N

F-788



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This report includes information from the following map sheet(s).

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NW N NE
W E
SW S SE

NE, Los Angeles, 1994, 7.5-minute
NW, Hollywood, 1991, 7.5-minute

SITE NAME: 750 East 49th Street
ADDRESS: 750 East 49th Street
Los Angeles, CA 90011
CLIENT: Tetra Tech Inc.

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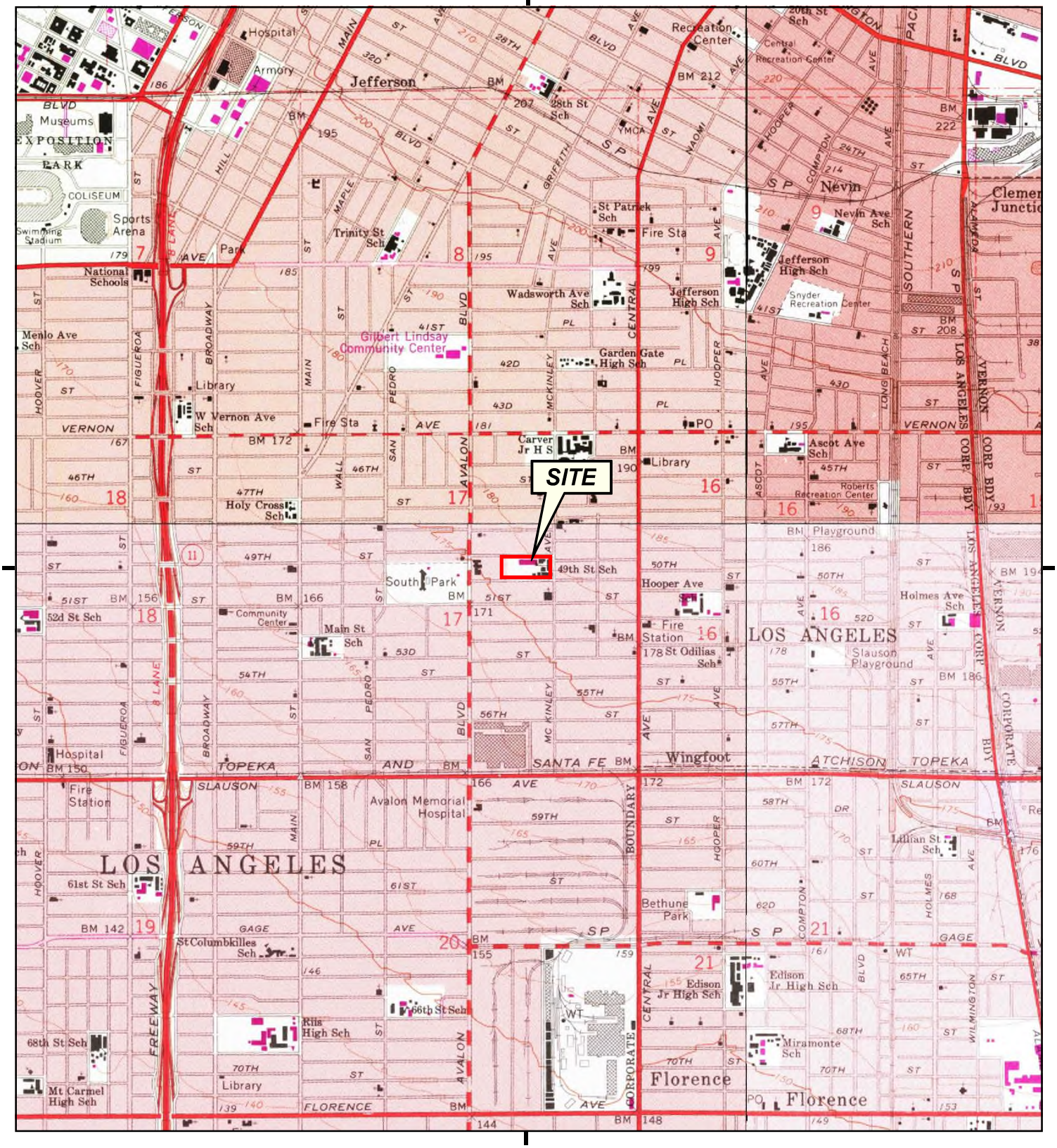

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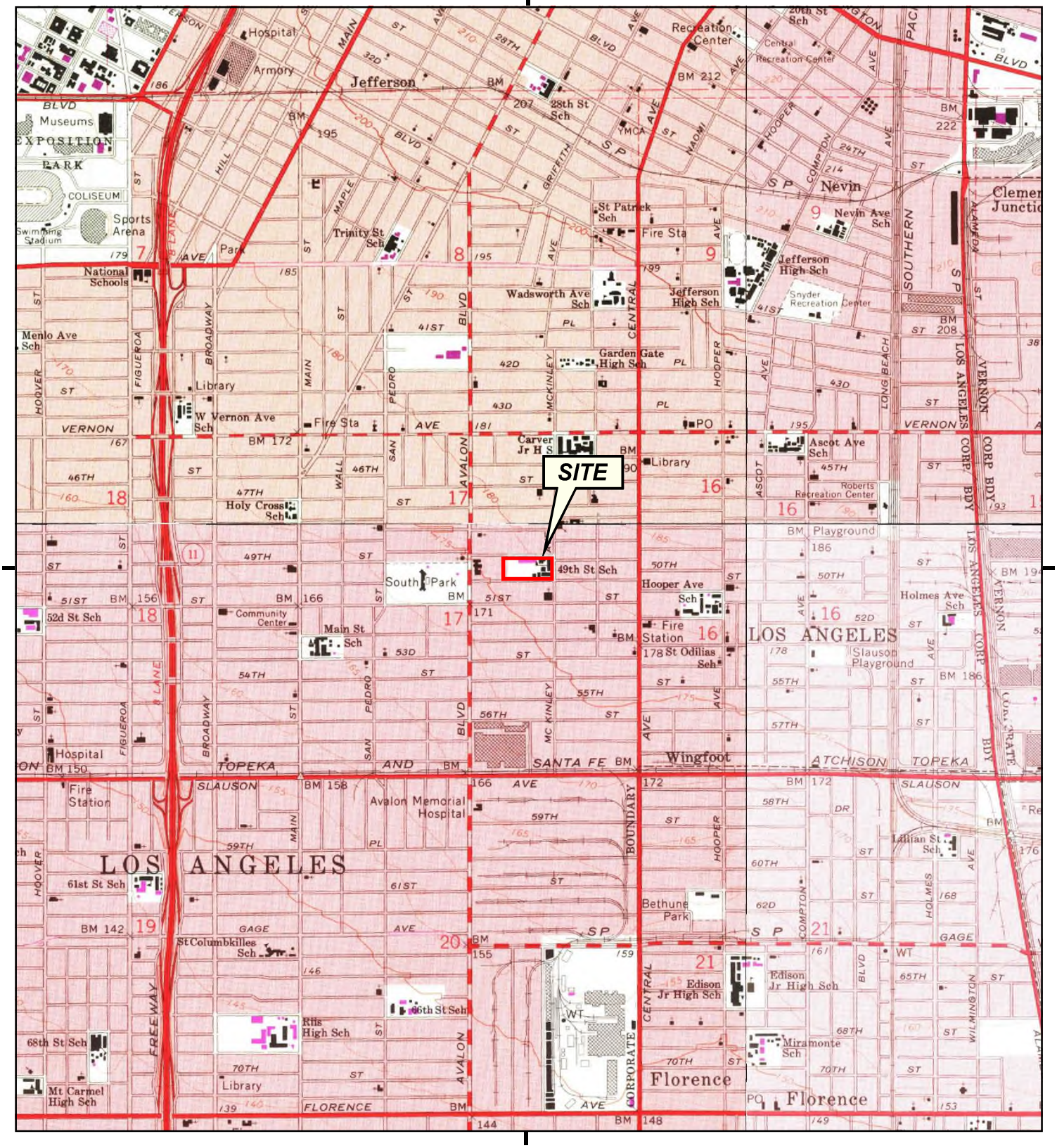
W E
SW S SE

TP, Inglewood, 1981, 7.5-minute
NE, Los Angeles, 1981, 7.5-minute
SE, South Gate, 1981, 7.5-minute
NW, Hollywood, 1981, 7.5-minute

SITE NAME: 750 East 49th Street
ADDRESS: 750 East 49th Street
Los Angeles, CA 90011
CLIENT: Tetra Tech Inc.

N



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0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

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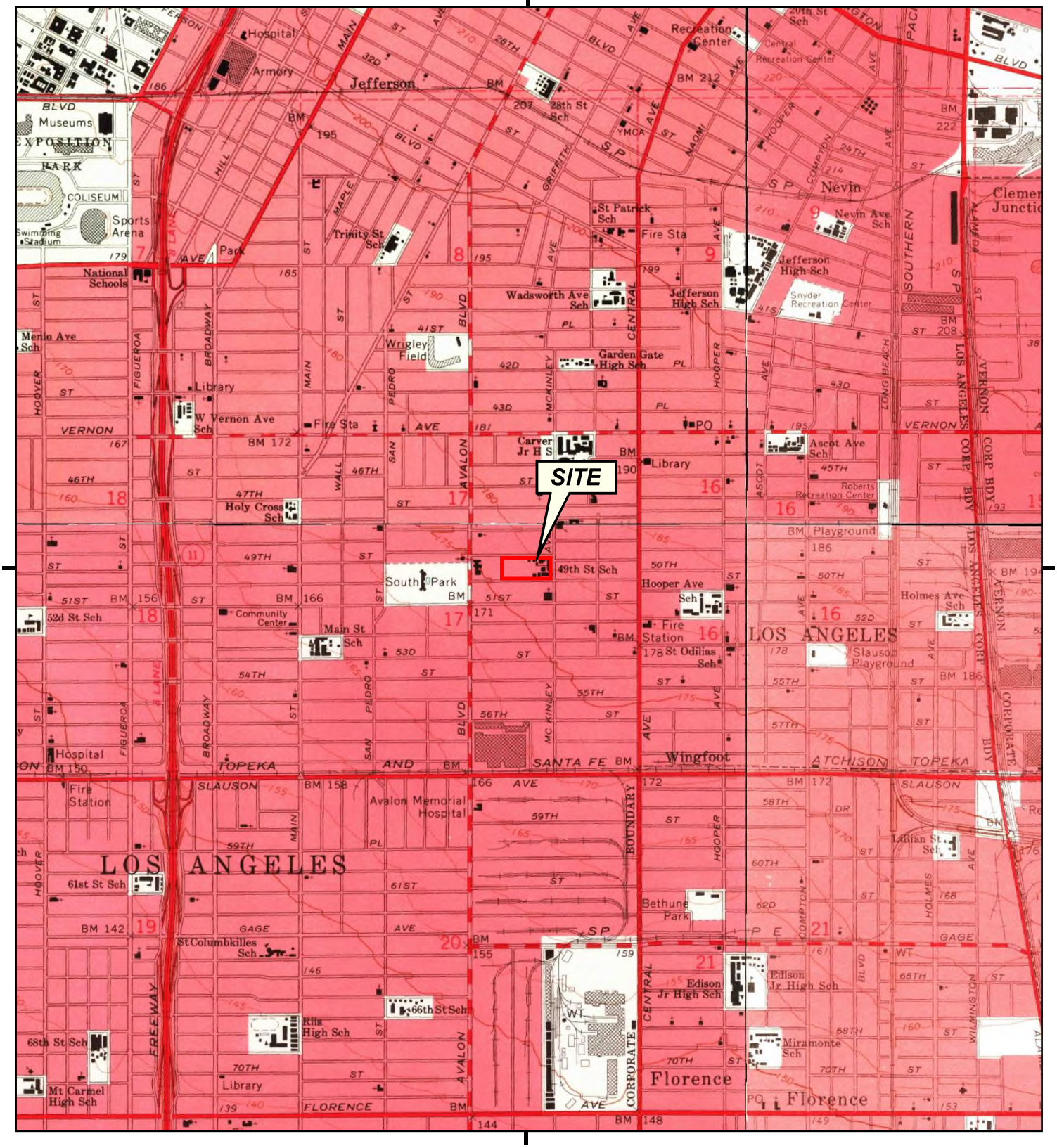
NE, Los Angeles, 1972, 7.5-minute
SE, South Gate, 1972, 7.5-minute
NW, Hollywood, 1972, 7.5-minute

SITE NAME: 750 East 49th Street
ADDRESS: 750 East 49th Street
Los Angeles, CA 90011
CLIENT: Tetra Tech Inc.

N



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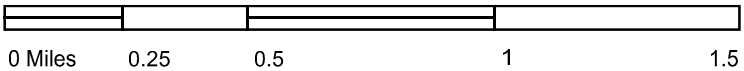
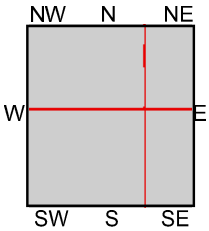
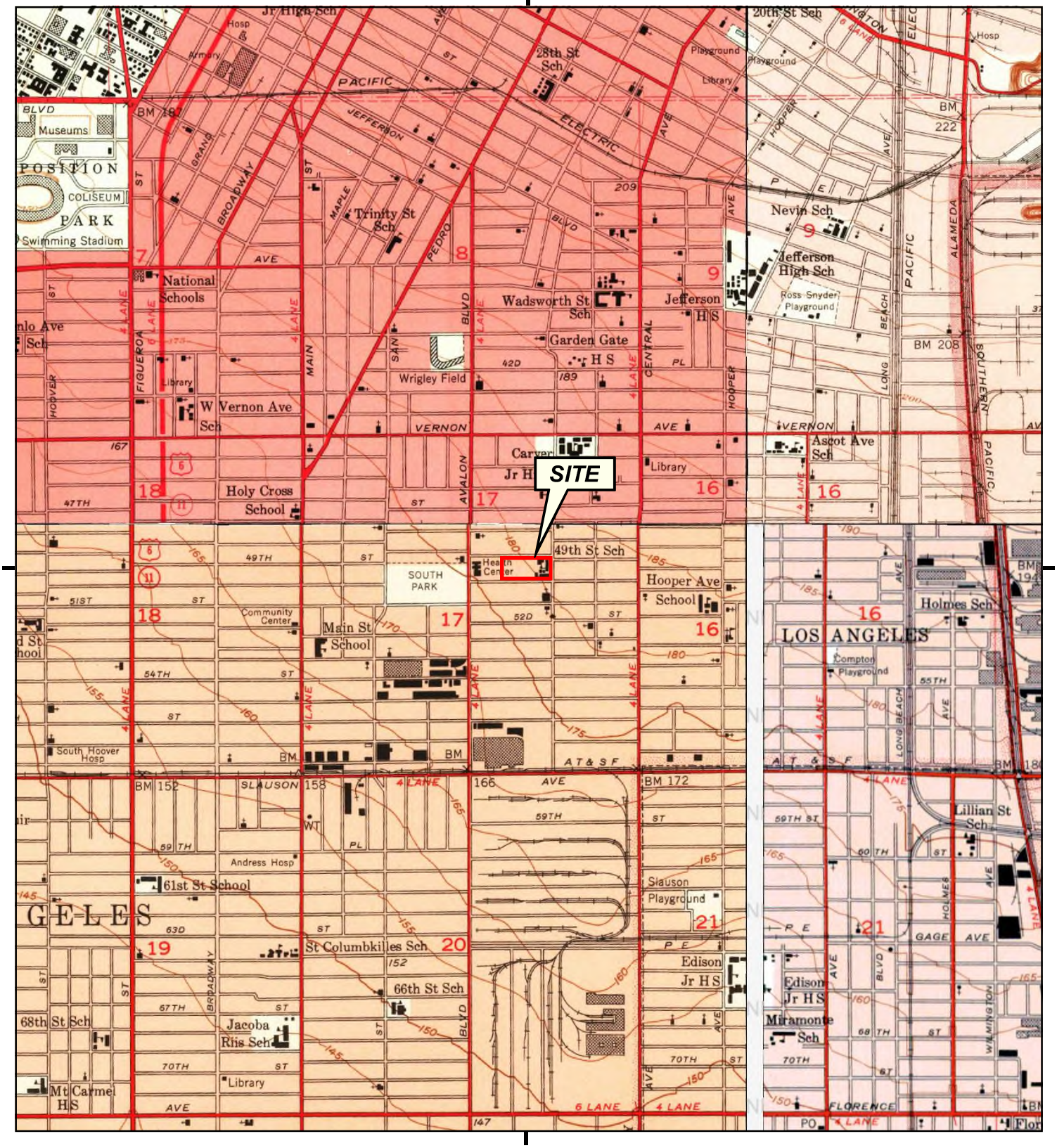




TP, Inglewood, 1964, 7.5-minute
NE, Los Angeles, 1966, 7.5-minute
SE, South Gate, 1964, 7.5-minute
NW, Hollywood, 1966, 7.5-minute

SITE NAME: 750 East 49th Street
ADDRESS: 750 East 49th Street
Los Angeles, CA 90011
CLIENT: Tetra Tech Inc.





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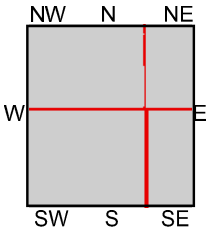
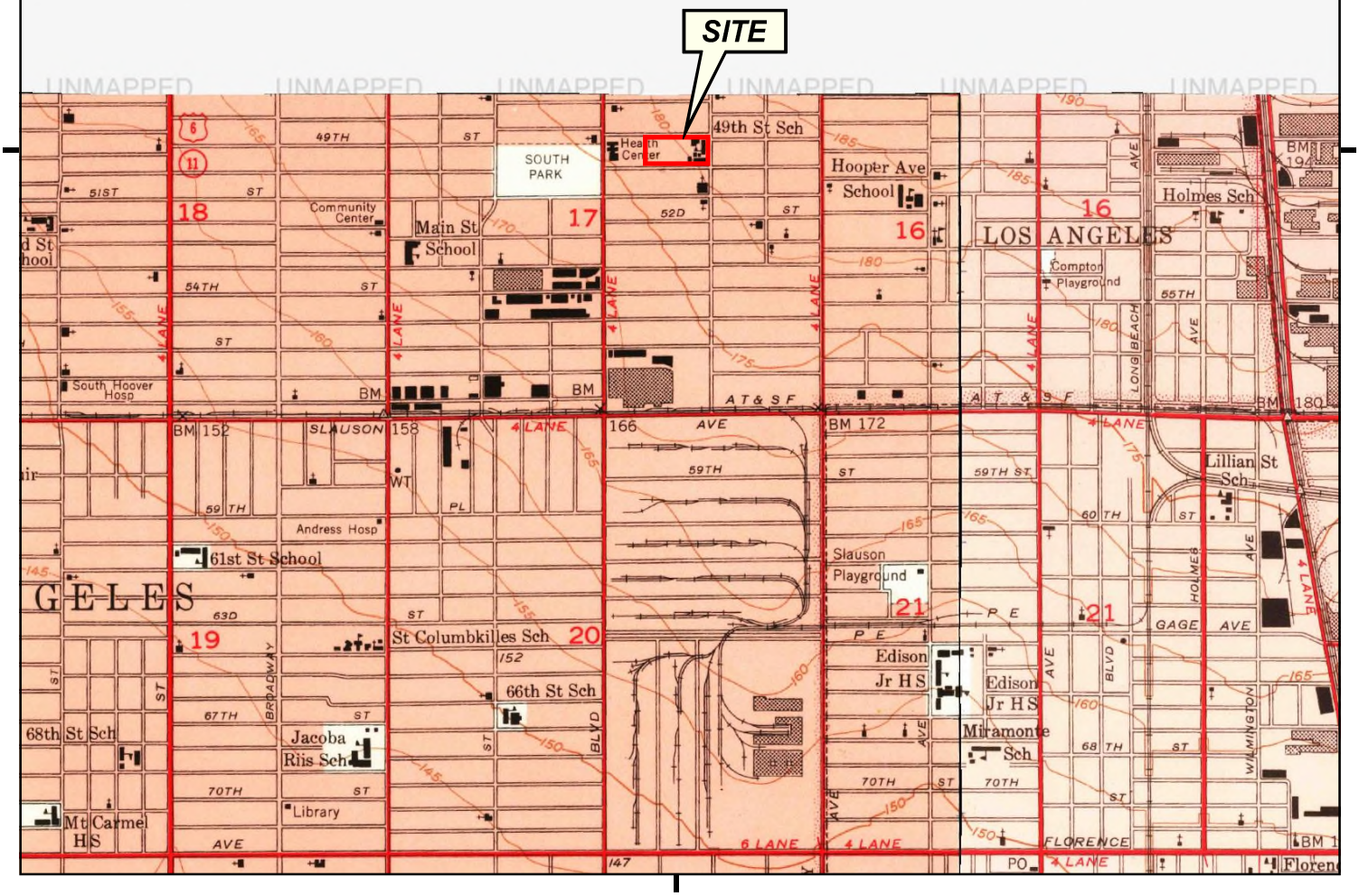


TP, Inglewood, 1952, 7.5-minute
NE, Los Angeles, 1953, 7.5-minute
SE, SOUTH GATE, 1952, 7.5-minute
NW, Hollywood, 1953, 7.5-minute

SITE NAME: 750 East 49th Street
ADDRESS: 750 East 49th Street
Los Angeles, CA 90011
CLIENT: Tetra Tech Inc.

UNMAPPED



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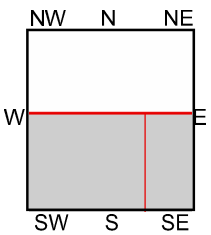
0 Miles 0.25 0.5 1 1.5



TP, Inglewood, 1950, 7.5-minute
SE, South Gate, 1949, 7.5-minute

SITE NAME: 750 East 49th Street
ADDRESS: 750 East 49th Street
Los Angeles, CA 90011
CLIENT: Tetra Tech Inc.

N

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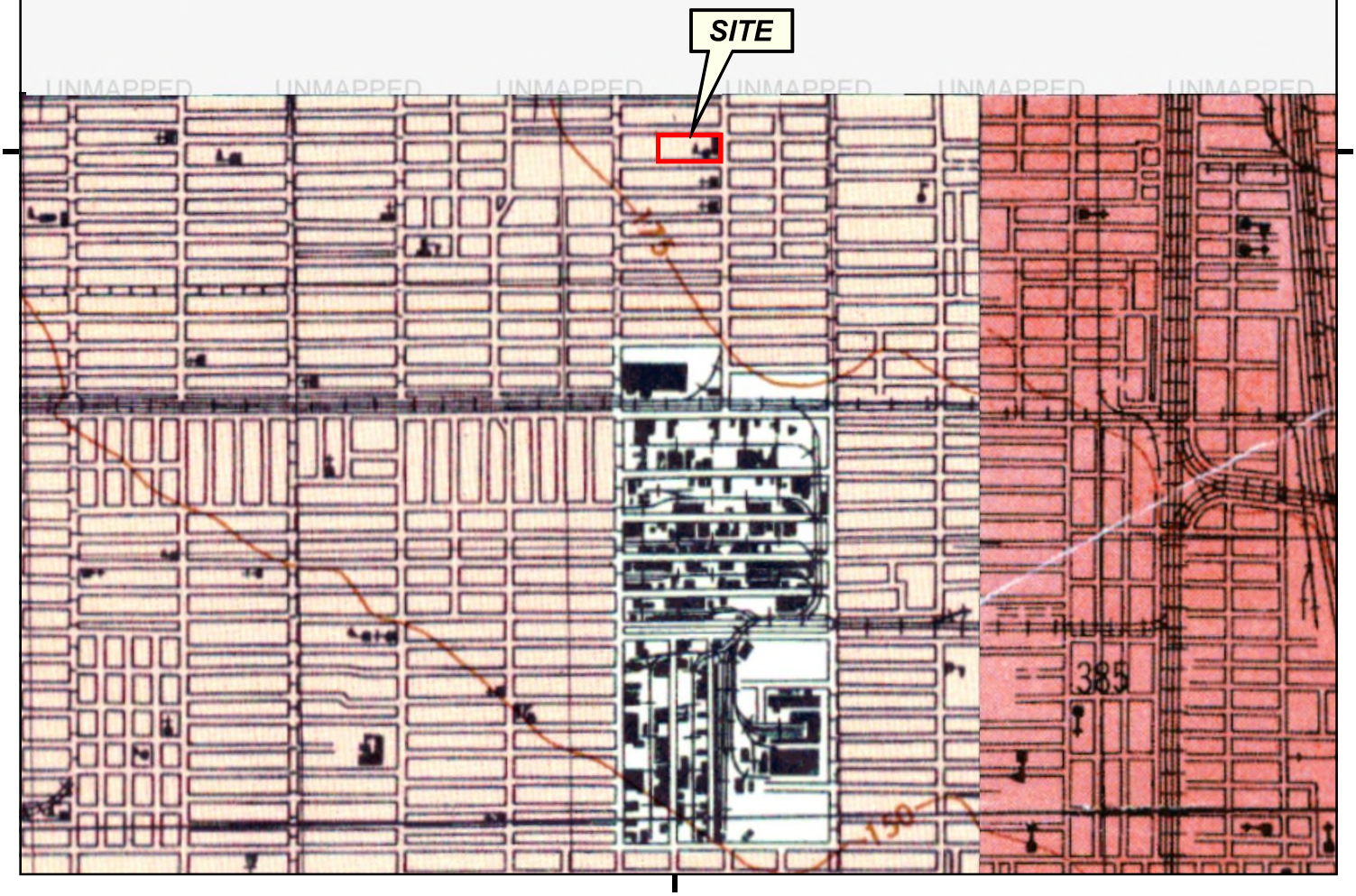


This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

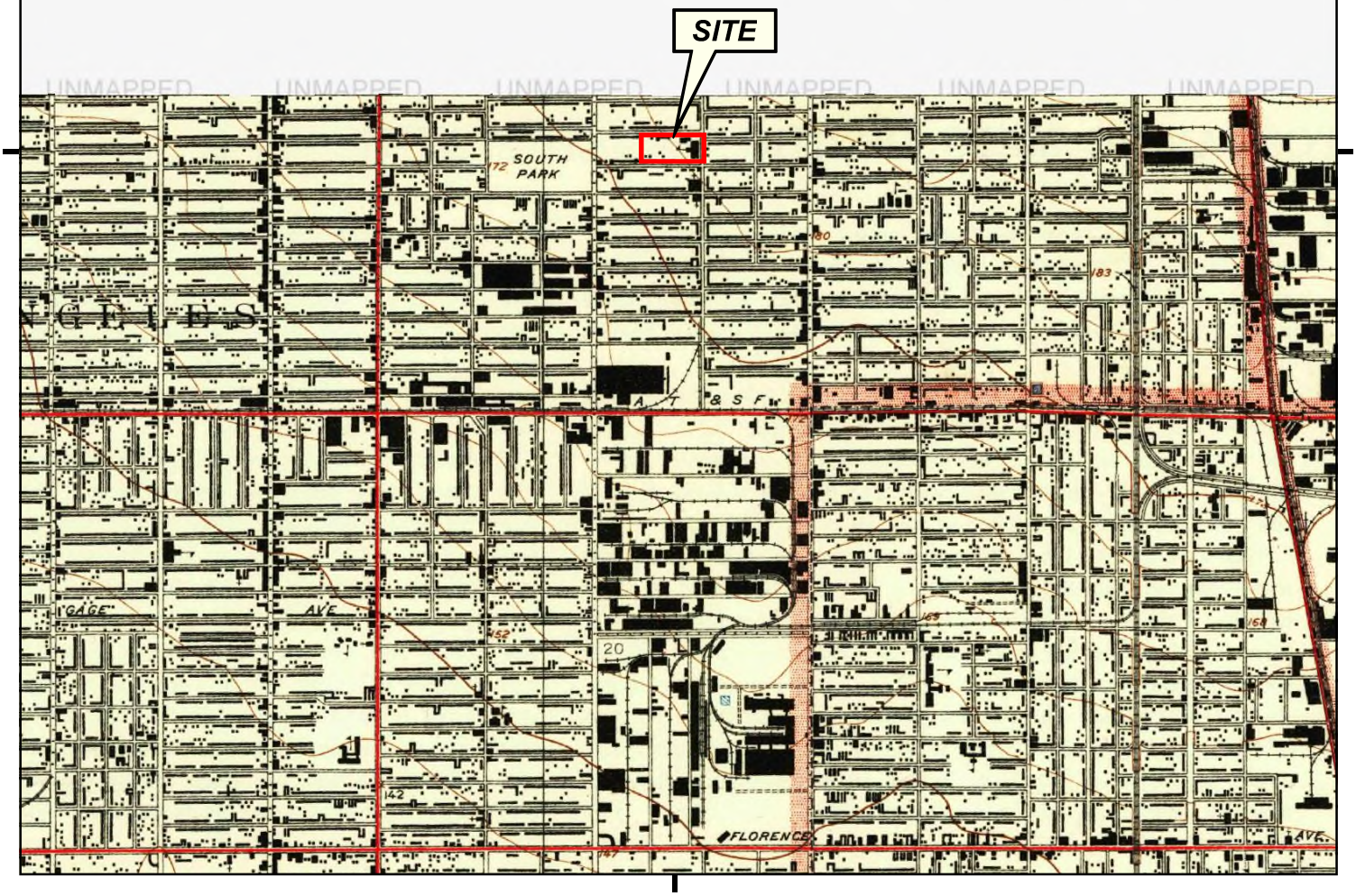
NW N NE
W E
SW S SE

TP, REDONDO, 1948, 15-minute
SE, DOWNEY, 1947, 15-minute

SITE NAME: 750 East 49th Street
ADDRESS: 750 East 49th Street
Los Angeles, CA 90011
CLIENT: Tetra Tech Inc.

N

UNMAPPED



This report includes information from the following map sheet(s).

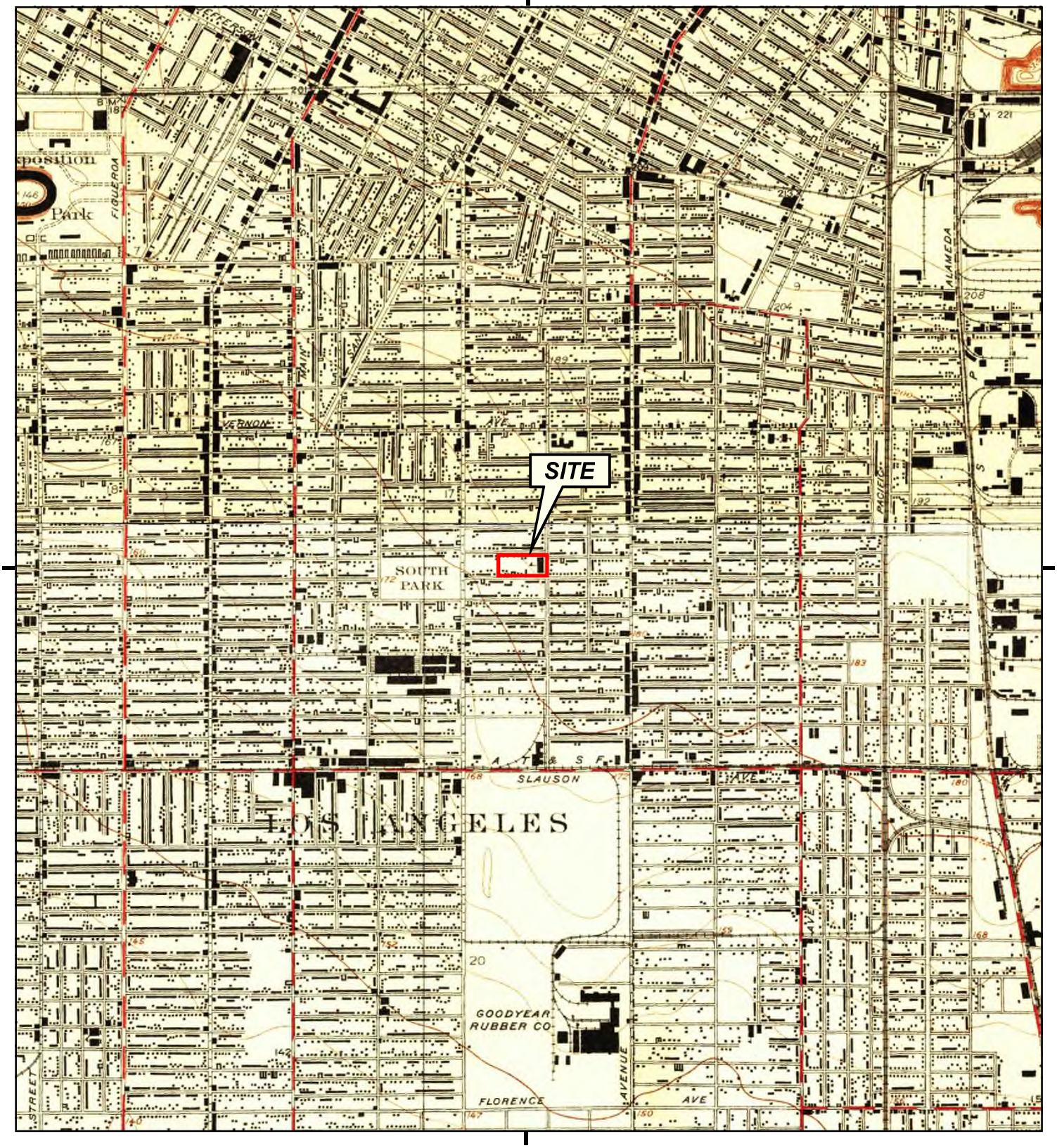
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Watts, 1937, 7.5-minute

SITE NAME: 750 East 49th Street
ADDRESS: 750 East 49th Street
Los Angeles, CA 90011
CLIENT: Tetra Tech Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Watts, 1924, 7.5-minute
N, Los Angeles, 1928, 7.5-minute

SITE NAME: 750 East 49th Street
ADDRESS: 750 East 49th Street
Los Angeles, CA 90011
CLIENT: Tetra Tech Inc.

N

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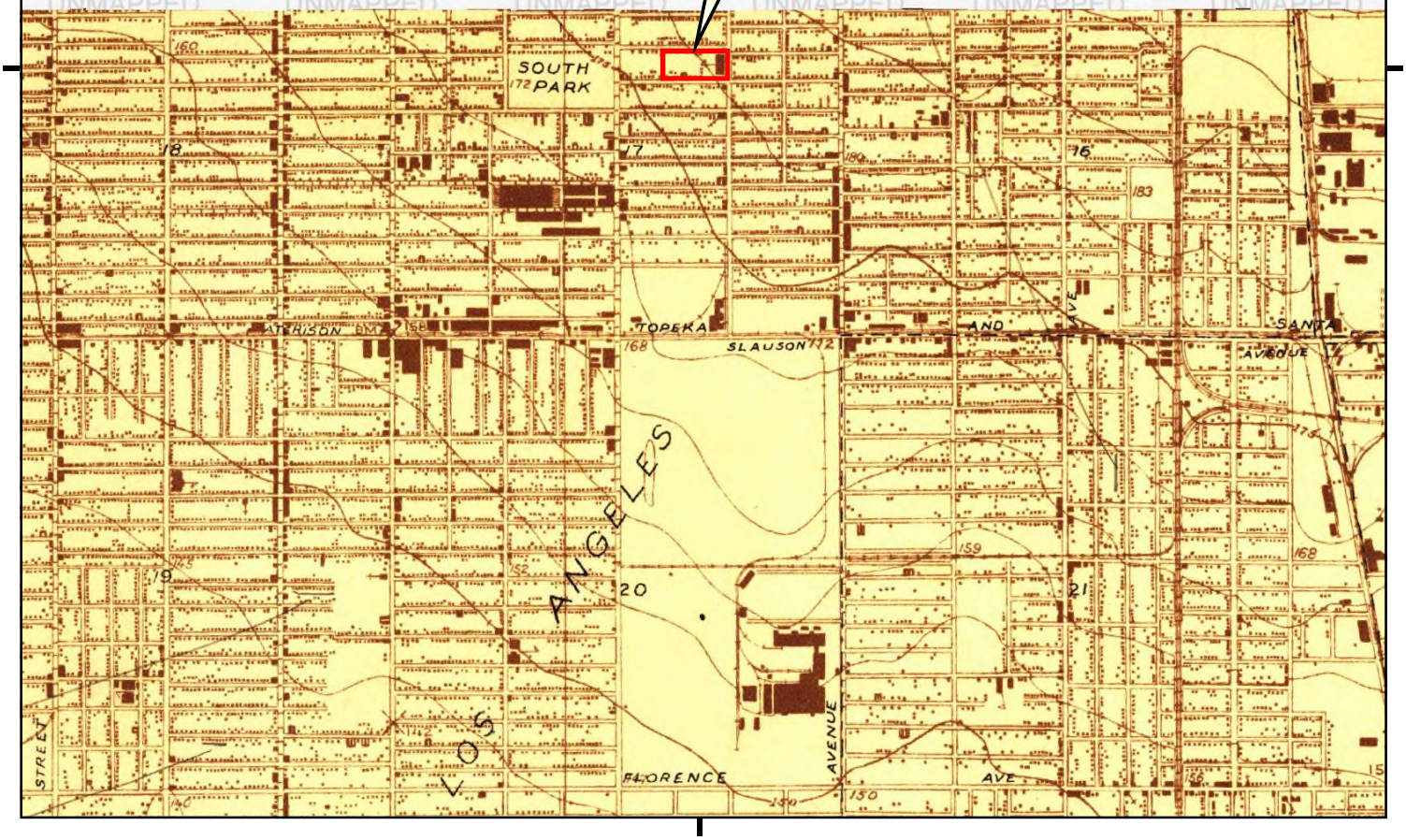

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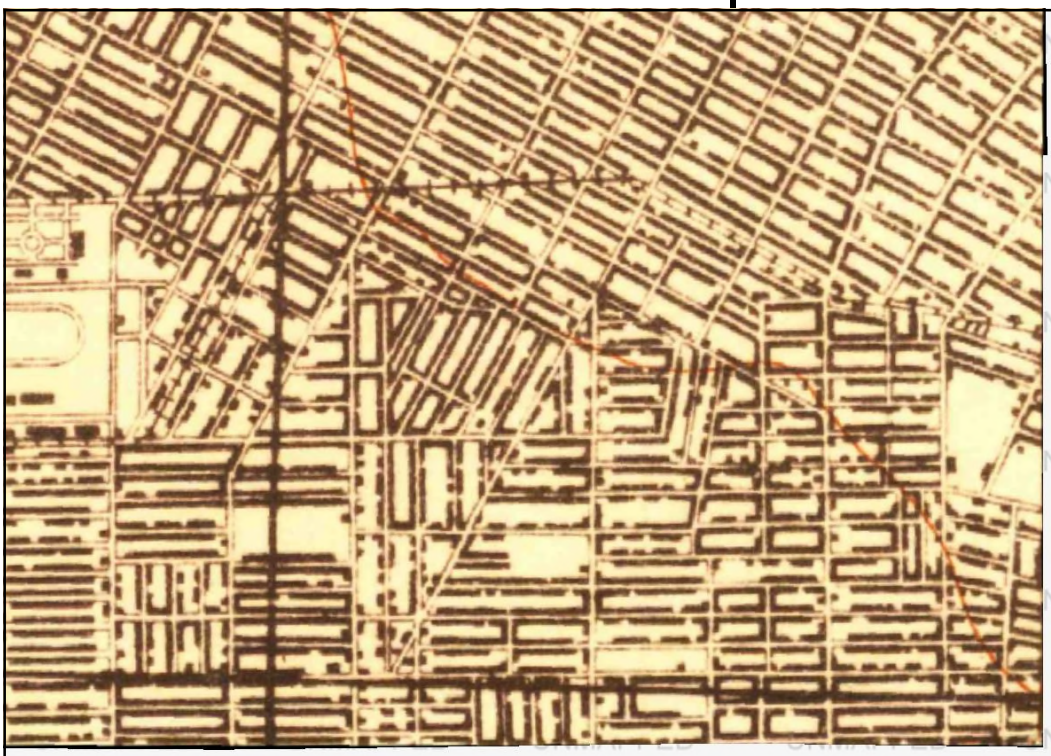
SW S SE

TP, Watts, 1923, 7.5-minute

SITE NAME: 750 East 49th Street
ADDRESS: 750 East 49th Street
Los Angeles, CA 90011
CLIENT: Tetra Tech Inc.

N



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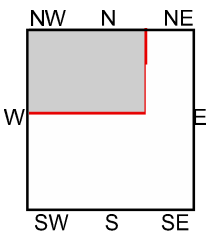
0 Miles 0.25 0.5 1 1.5



NW, Santa Monica, 1921, 15-minute

SITE NAME: 750 East 49th Street
ADDRESS: 750 East 49th Street
Los Angeles, CA 90011
CLIENT: Tetra Tech Inc.

N



UNMAPPED

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

NW, SANTA MONICA, 1920, 15-minute

SITE NAME: 750 East 49th Street
ADDRESS: 750 East 49th Street
Los Angeles, CA 90011
CLIENT: Tetra Tech Inc.

N



UNMAPPED

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

SE, Downey, 1902, 15-minute
NW, Santa Monica, 1902, 15-minute

SITE NAME: 750 East 49th Street
ADDRESS: 750 East 49th Street
Los Angeles, CA 90011
CLIENT: Tetra Tech Inc.

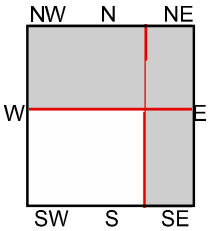
N



UNMAPPED

This report includes information from the following map sheet(s).

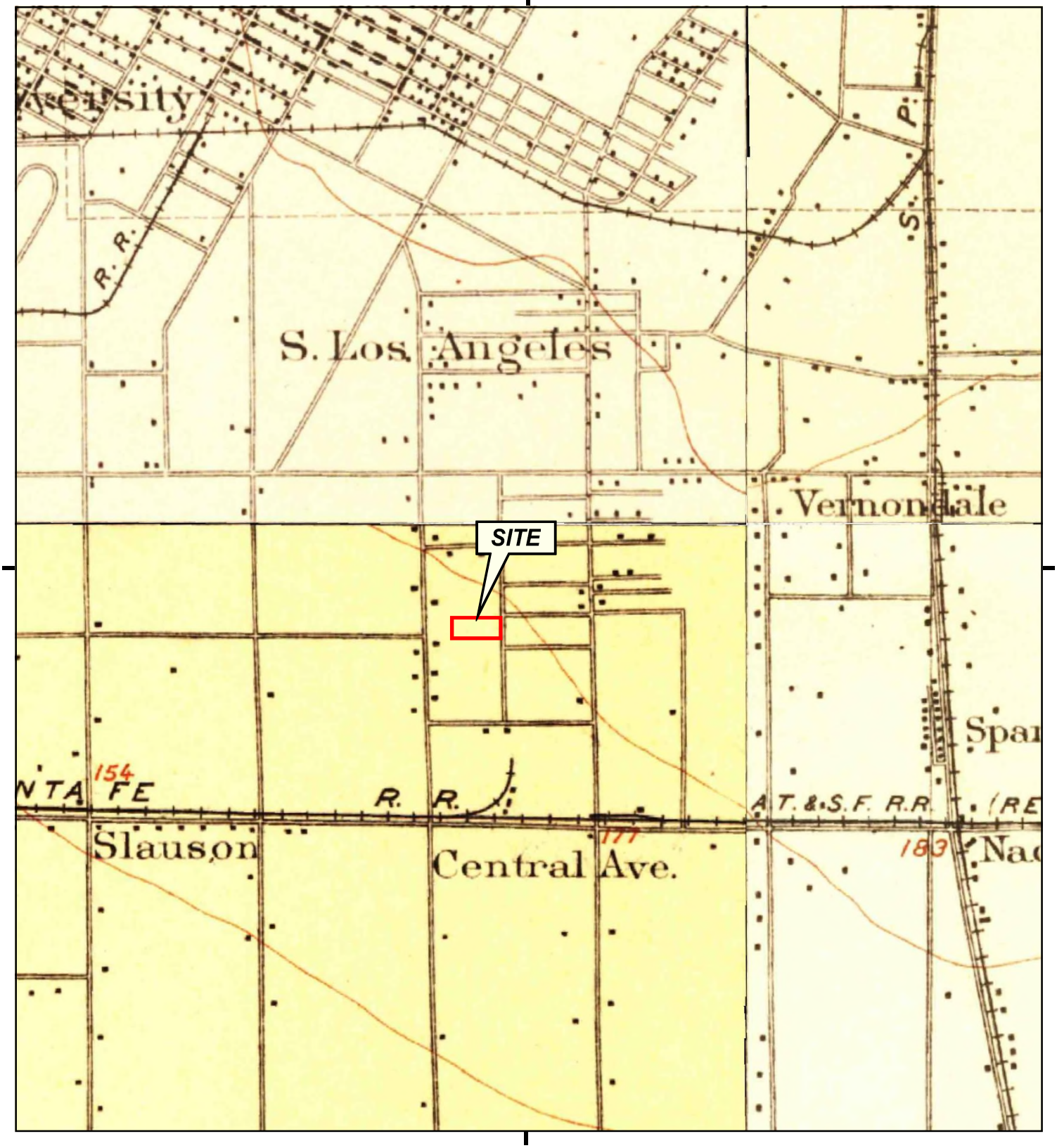
0 Miles 0.25 0.5 1 1.5



N, Los Angeles, 1900, 15-minute
NE, Pasadena, 1900, 15-minute
SE, Downey, 1899, 15-minute
NW, Santa Monica, 1898, 15-minute

SITE NAME: 750 East 49th Street
ADDRESS: 750 East 49th Street
Los Angeles, CA 90011
CLIENT: Tetra Tech Inc.

N



This report includes information from the following map sheet(s).

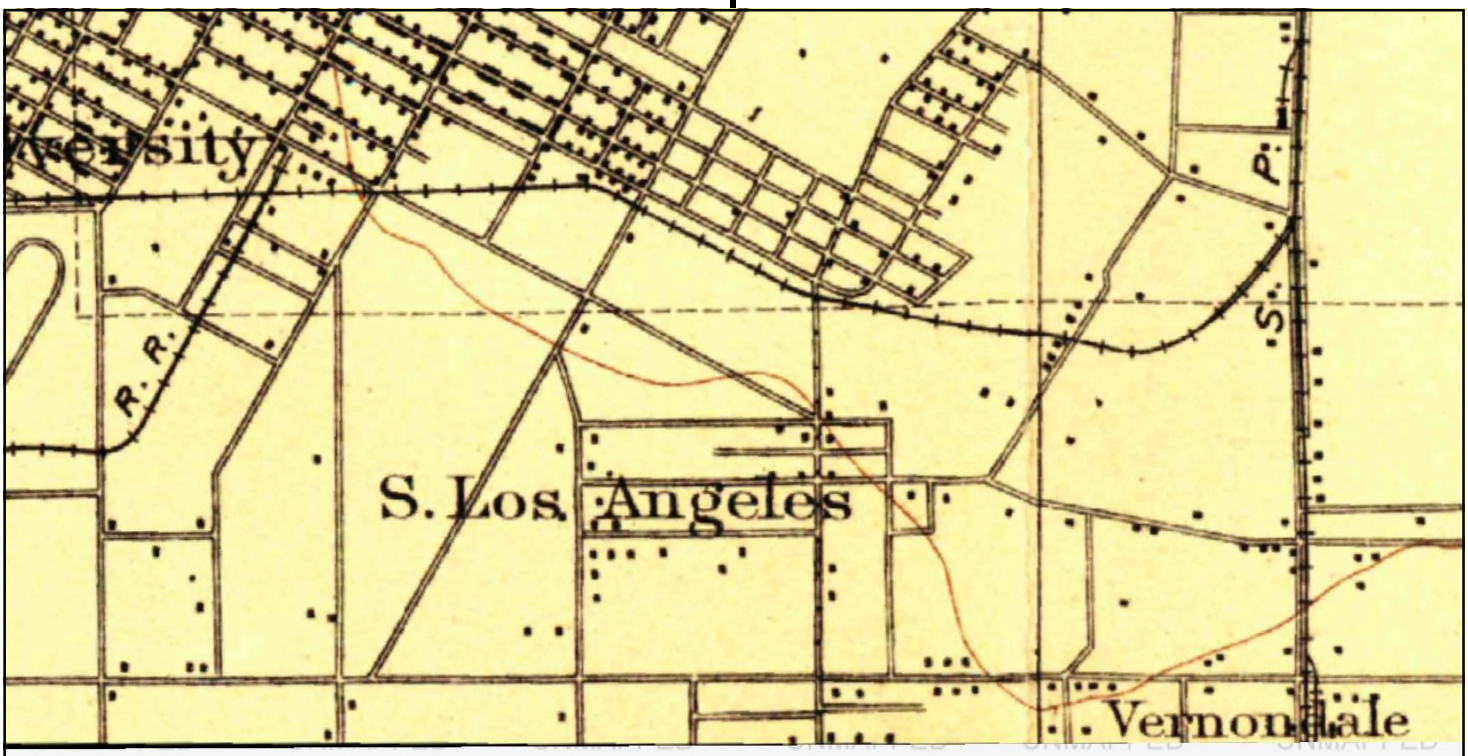
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Redondo, 1896, 15-minute
NE, Pasadena, 1896, 15-minute
SE, Downey, 1896, 15-minute
NW, Santa Monica, 1896, 15-minute

SITE NAME: 750 East 49th Street
ADDRESS: 750 East 49th Street
Los Angeles, CA 90011
CLIENT: Tetra Tech Inc.

N



UNMAPPED

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

N, Los Angeles, 1894, 15-minute

SITE NAME: 750 East 49th Street
ADDRESS: 750 East 49th Street
Los Angeles, CA 90011
CLIENT: Tetra Tech Inc.

N

APPENDIX D
ADDITIONAL RELEVANT DOCUMENTATION

Property Information

Assessor's ID No:	5108-011-909
Address:	750 E 49TH ST LOS ANGELES CA 90011
Property Type:	Other
Region / Cluster:	12 / 12405
Tax Rate Area (TRA):	00007

- View Assessor Map
- View Index map

Recent Sales Information

Latest Sale Date:

Indicated Sale Price:

Search for Recent Sales

2021 - Roll Values

Recording Date:	12/27/1967
Land:	$0
Improvements:	$0
Personal Property:	$0
Fixtures:	$0
Homeowners' Exemption:	$0
Real Estate Exemption:	$0
Personal Property Exemption:	$0
Fixture Exemptions:	$0

Tax bill payment information for 2021/22, as well as any changes to the 2021 Roll Values will be available after September 30, 2021

- Estimate supplemental taxes

Property Boundary Description

LOTS 24, 26, 28, 29 AND 30 BLK C
MCKINLEY PLACE AND LOT 1 TRACT NO 19639

Building Description

Los Angeles County Office of the Assessor
Valuing People and Property

Property Assessment Information System

Parcel Details

- Property records are kept at the South District Office
- How frequently is this site updated? (and other FAQs)

Property Information

Assessor's ID No:	5108-011-909
Address:	750 E 49TH ST LOS ANGELES CA 90011
Property Type:	Other
Region / Cluster:	12 / 12405
Tax Rate Area (TRA):	00007

- View Assessor Map
- View Index map

Recent Sales Information

Latest Sale Date:

Indicated Sale Price:

Search for Recent Sales

2021 - Roll Values

Recording Date:	12/27/1967
Land:	$0
Improvements:	$0
Personal Property:	$0
Fixtures:	$0
Homeowners' Exemption:	$0
Real Estate Exemption:	$0



Home | Layers | Searc... | Parcel...

Los Angeles County Office of the Assessor
Valuing People and Property

Property Assessment Information System

Parcel Details

- Property records are kept at the South District Office
- How frequently is this site updated? (and other FAQs)

Property Information

Assessor's ID No:	5108-011-909
Address:	750 E 49TH ST LOS ANGELES CA 90011
Property Type:	Other
Region / Cluster:	12 / 12405
Tax Rate Area (TRA):	00007

- View Assessor Map
- View Index map

Recent Sales Information

Latest Sale Date:

Indicated Sale Price:

Search for Recent Sales

2021 - Roll Values

Recording Date:	12/27/1967
Land:	$0
Improvements:	$0
Personal Property:	$0
Fixtures:	$0
Homeowners' Exemption:	$0
Real Estate Exemption:	$0



Home Layers Searc... Parcel...

Property Information

Assessor's ID No:	5108-011-910
Address:	750 E 49TH ST LOS ANGELES CA 90011
Property Type:	Other
Region / Cluster:	12 / 12405
Tax Rate Area (TRA):	00007

- View Assessor Map
- View Index map

Recent Sales Information

Latest Sale Date:

Indicated Sale Price:

Search for Recent Sales

2021 - Roll Values

Recording Date:	09/25/1969
Land:	$0
Improvements:	$0
Personal Property:	$0
Fixtures:	$0
Homeowners' Exemption:	$0
Real Estate Exemption:	$0
Personal Property Exemption:	$0
Fixture Exemptions:	$0

Tax bill payment information for 2021/22, as well as any changes to the 2021 Roll Values will be available after September 30, 2021

- Estimate supplemental taxes

Property Boundary Description

MCKINLEY PLACE LOTS 23, 25 AND
LOT 27 BLK C

Building Description

Los Angeles County Office of the Assessor
Valuing People and Property

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- View Index map

Recent Sales Information

Latest Sale Date:

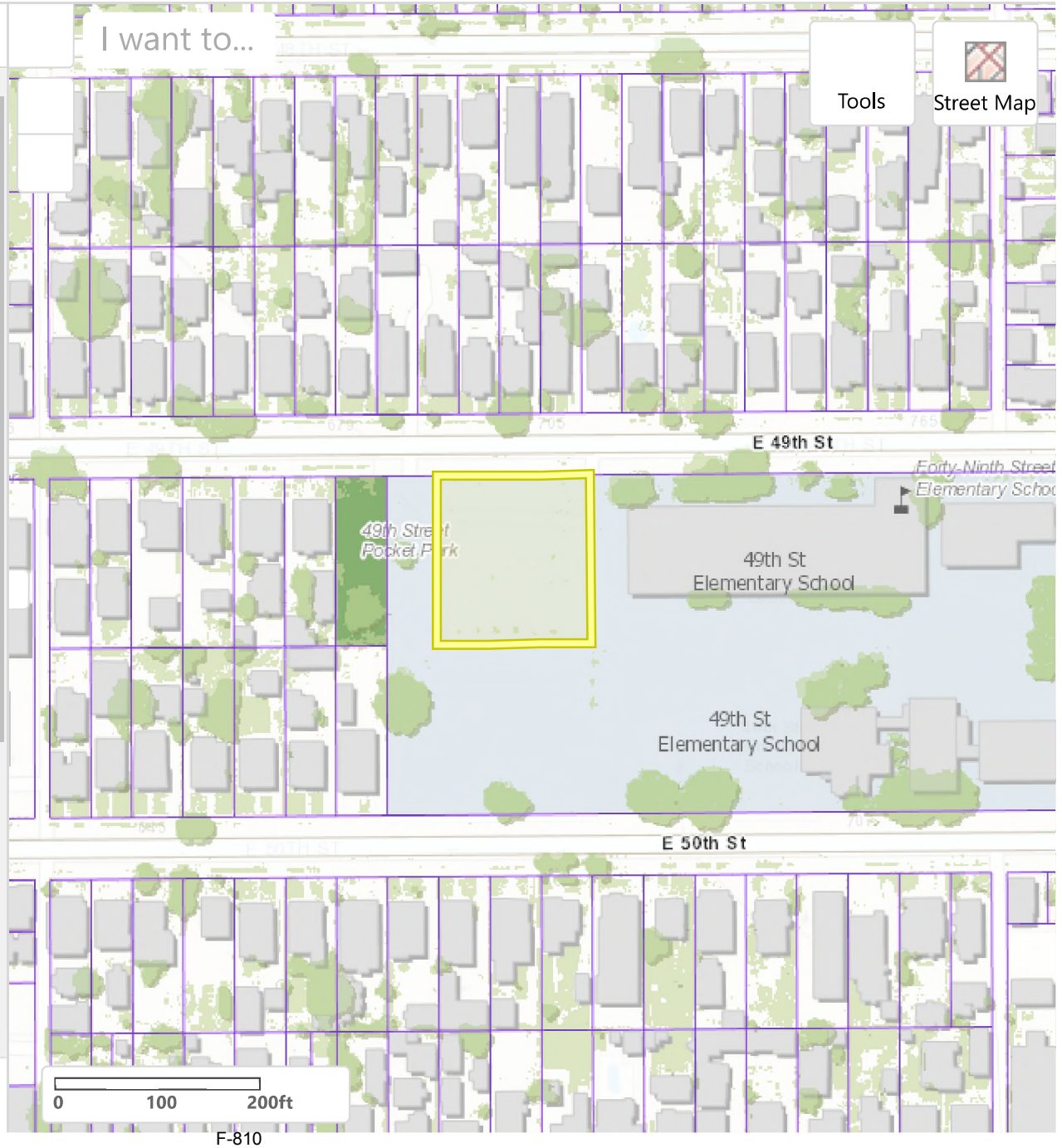
Indicated Sale Price:

Search for Recent Sales

2021 - Roll Values

Recording Date:	09/25/1969
Land:	$0
Improvements:	$0
Personal Property:	$0
Fixtures:	$0
Homeowners' Exemption:	$0
Real Estate Exemption:	$0

Home | Layers | Parcel Details



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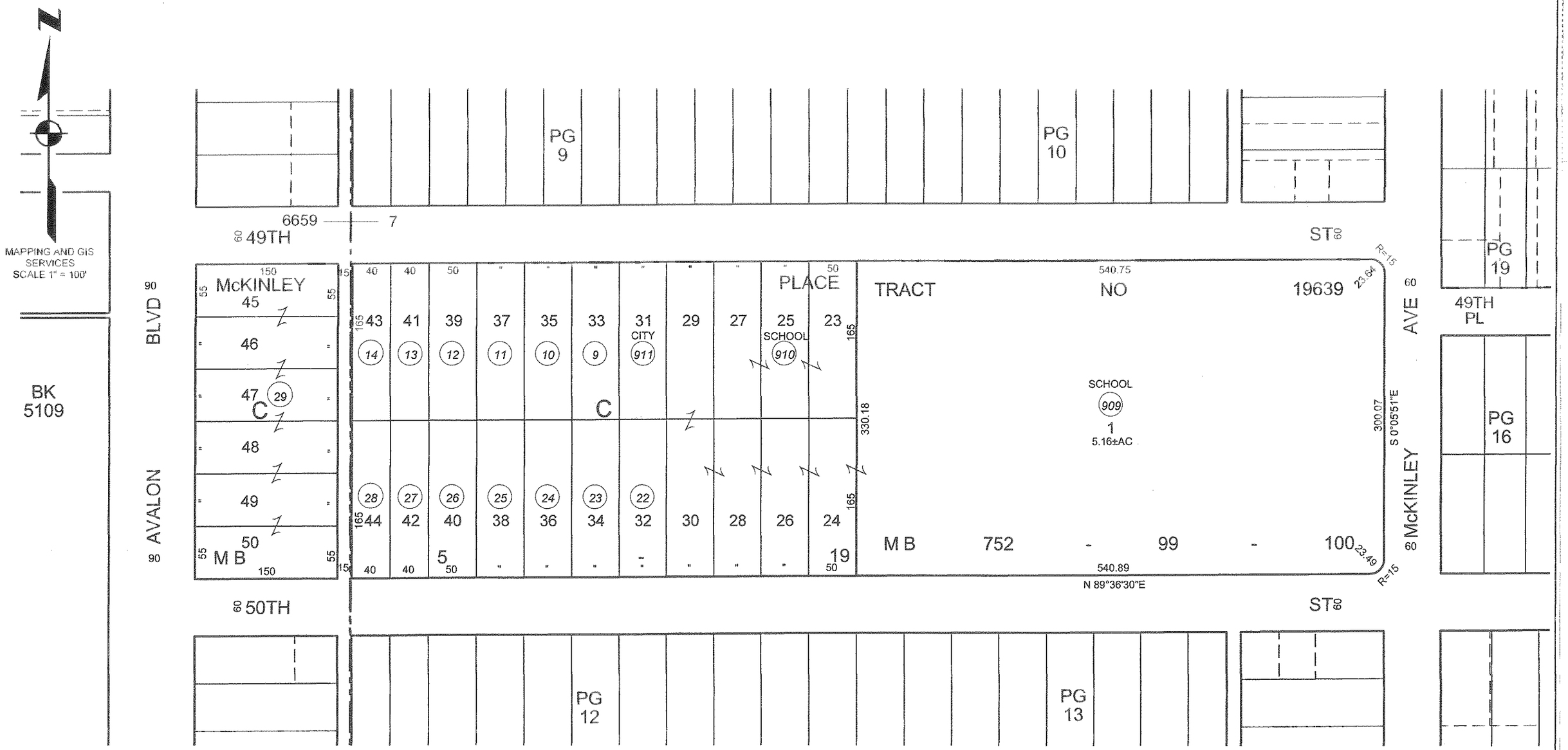
Improvements:	$0
Personal Property:	$0
Fixtures:	$0
Homeowners' Exemption:	$0
Real Estate Exemption:	$0

Home | Layers | Parcel Details



5108	11 SHEET	P. A. 1040-11	TRA 7 6659	REVISED 960220 2004081608006001-22	2013071010003001-12				SEARCH NO		OFFICE OF THE ASSESSOR COUNTY OF LOS ANGELES COPYRIGHT © 2002

2014



Date Printed: 7/3/2013 12:26:16 PM
Date Saved: 7/3/2013 12:26:12 PM

City of Los Angeles
Department of City Planning

10/21/2021
PARCEL PROFILE REPORT

PROPERTY ADDRESSES
750 E 49TH ST
711 E 50TH ST

ZIP CODES
90011

RECENT ACTIVITY
None

CASE NUMBERS
CPC-2010-2772-CRA
CPC-2008-1553-CPU
CPC-1996-398
CPC-1990-346-CA
CPC-1983-506
ORD-174172-SA670
ORD-171682
ORD-171681
ORD-162128
ENV-2013-3392-CE
ENV-2008-1780-EIR

Address/Legal Information	
PIN Number	111A207 175
Lot/Parcel Area (Calculated)	183,416.5 (sq ft)
Thomas Brothers Grid	PAGE 674 - GRID E4
Assessor Parcel No. (APN)	5108011909
Tract	TR 19639
Map Reference	M B 752-99/100
Block	None
Lot	LT 1
Arb (Lot Cut Reference)	None
Map Sheet	111A207
Jurisdictional Information	
Community Plan Area	Southeast Los Angeles
Area Planning Commission	South Los Angeles
Neighborhood Council	Zapata-King
Council District	CD 9 - Curren D. Price, Jr.
Census Tract #	2292.00
LADBS District Office	Los Angeles Metro
Planning and Zoning Information	
Special Notes	None
Zoning	PF-1
Zoning Information (ZI)	ZI-2374 State Enterprise Zone: Los Angeles
	ZI-1231 Specific Plan: South Los Angeles Alcohol Sales
	ZI-2452 Transit Priority Area in the City of Los Angeles
General Plan Land Use	Public Facilities
General Plan Note(s)	Yes
Hillside Area (Zoning Code)	No
Specific Plan Area	SOUTH LOS ANGELES ALCOHOL SALES
Subarea	None
Special Land Use / Zoning	None
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
CDO: Community Design Overlay	None
CPIO: Community Plan Imp. Overlay	None
Subarea	None
CUGU: Clean Up-Green Up	None
HCR: Hillside Construction Regulation	No
NSO: Neighborhood Stabilization Overlay	No
POD: Pedestrian Oriented Districts	None
RFA: Residential Floor Area District	None
RIO: River Implementation Overlay	No
SN: Sign District	No
Streetscape	No
Adaptive Reuse Incentive Area	None

This report is subject to the terms and conditions as set forth on the website. For more details, please refer to the terms and conditions at zimas.lacity.org
(*) - APN Area is provided "as is" from the Los Angeles County's Public Works, Flood Control, Benefit Assessment.

Affordable Housing Linkage Fee	
Residential Market Area	Low
Non-Residential Market Area	Exempt (Prior to 2/17/21)
Transit Oriented Communities (TOC)	Tier 1
RPA: Redevelopment Project Area	None
Central City Parking	No
Downtown Parking	No
Building Line	None
500 Ft School Zone	Active: 49th Street Elementary School
500 Ft Park Zone	Active: McKinley Avenue Park Active: 49th Street Park
Assessor Information	
Assessor Parcel No. (APN)	5108011909
APN Area (Co. Public Works)*	5.160 (ac)
Use Code	8800 - Miscellaneous - Government Owned Property
Assessed Land Val.	$366,337
Assessed Improvement Val.	$0
Last Owner Change	12/27/1967
Last Sale Amount	$0
Tax Rate Area	7
Deed Ref No. (City Clerk)	9-362
	8-638
	7-960
Building 1	No data for building 1
Building 2	No data for building 2
Building 3	No data for building 3
Building 4	No data for building 4
Building 5	No data for building 5
Rent Stabilization Ordinance (RSO)	No [APN: 5108011909]
Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
Urban Agriculture Incentive Zone	YES
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	Outside Flood Zone
Watercourse	No
Hazardous Waste / Border Zone Properties	No
Methane Hazard Site	None
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	No
Wells	None
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	2.52795024
Nearest Fault (Name)	Puente Hills Blind Thrust
Region	Los Angeles Blind Thrusts
Fault Type	B
Slip Rate (mm/year)	0.70000000
Slip Geometry	Reverse
Slip Type	Moderately / Poorly Constrained
Down Dip Width (km)	19.00000000
Rupture Top	5.00000000

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Rupture Bottom	13.00000000
Dip Angle (degrees)	25.00000000
Maximum Magnitude	7.10000000
Alquist-Priolo Fault Zone	No
Landslide	No
Liquefaction	No
Preliminary Fault Rupture Study Area	No
Tsunami Inundation Zone	No
Economic Development Areas	
Business Improvement District	None
Hubzone	Qualified
Opportunity Zone	No
Promise Zone	South Los Angeles Transit Empowerment Zone
State Enterprise Zone	LOS ANGELES STATE ENTERPRISE ZONE
Housing	
Direct all Inquiries to	Housing+Community Investment Department
Telephone	(866) 557-7368
Website	http://hcidla.lacity.org
Rent Stabilization Ordinance (RSO)	No [APN: 5108011909]
Ellis Act Property	No
AB 1482: Tenant Protection Act	No
Public Safety	
Police Information	
Bureau	Central
Division / Station	Newton
Reporting District	1363
Fire Information	
Bureau	South
Batallion	13
District / Fire Station	21
Red Flag Restricted Parking	No

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CASE SUMMARIES

Note: Information for case summaries is retrieved from the Planning Department's Plan Case Tracking System (PCTS) database.

Case Number:	CPC-2010-2772-CRA
Required Action(s):	CRA-COMMUNITY REDEVELOPMENT AGENCY
Project Descriptions(s):	CD9 CORRIDORS REDEVELOPMENT PLAN. A PRELIMINARY PLAN FOR A PROPOSED AMENDMENT TO THE CD9 CORRIDORS REDEVELOPMENT PLAN.
Case Number:	CPC-2008-1553-CPU
Required Action(s):	CPU-COMMUNITY PLAN UPDATE
Project Descriptions(s):	SOUTHEAST LOS ANGELES COMMUNITY PLAN UPDATE
Case Number:	CPC-1996-398
Required Action(s):	Data Not Available
Project Descriptions(s):	
Case Number:	CPC-1990-346-CA
Required Action(s):	CA-CODE AMENDMENT
Project Descriptions(s):	AMENDMENT TO THE L.A.M.C. TO - DRAFT AN ORDINANCE TO PROHIBIT THE GRANTING OF A CONDITIONAL USE PERMIT FOR THE OFF-SITE SALE OF ALCOHOLIC BEVERAGES (LOURDES GREEN/KAREN HOO)\
Case Number:	CPC-1983-506
Required Action(s):	Data Not Available
Project Descriptions(s):	SPECIFIC PLN ORD FOR INTERIM CONDITIONAL USE APPRVL FOR ESTABLISHMENTS FOR THE SALE OF ALCOHOL WHICH ARE GENERALLY LOCATED INTHE SOUTH CENTRAL AREA OF THE CITY
Case Number:	ENV-2013-3392-CE
Required Action(s):	CE-CATEGORICAL EXEMPTION
Project Descriptions(s):	THE PROPOSED ORDINANCE MODIFIES SECTION 22.119 OF THE LOS ANGELES ADMINISTRATIVE CODE TO ALLOW ORIGINAL ART MURALS ON LOTS DEVELOPED WITH ONLY ONE SINGLE-FAMILY RESIDENTIAL STRUCTURE AND THAT ARE LOCATED WITHIN COUNCIL DISTRICTS 1, 9, AND 14.
Case Number:	ENV-2008-1780-EIR
Required Action(s):	EIR-ENVIRONMENTAL IMPACT REPORT
Project Descriptions(s):	SOUTHEAST LOS ANGELES COMMUNITY PLAN UPDATE

DATA NOT AVAILABLE

ORD-174172-SA670

ORD-171682

ORD-171681

ORD-162128

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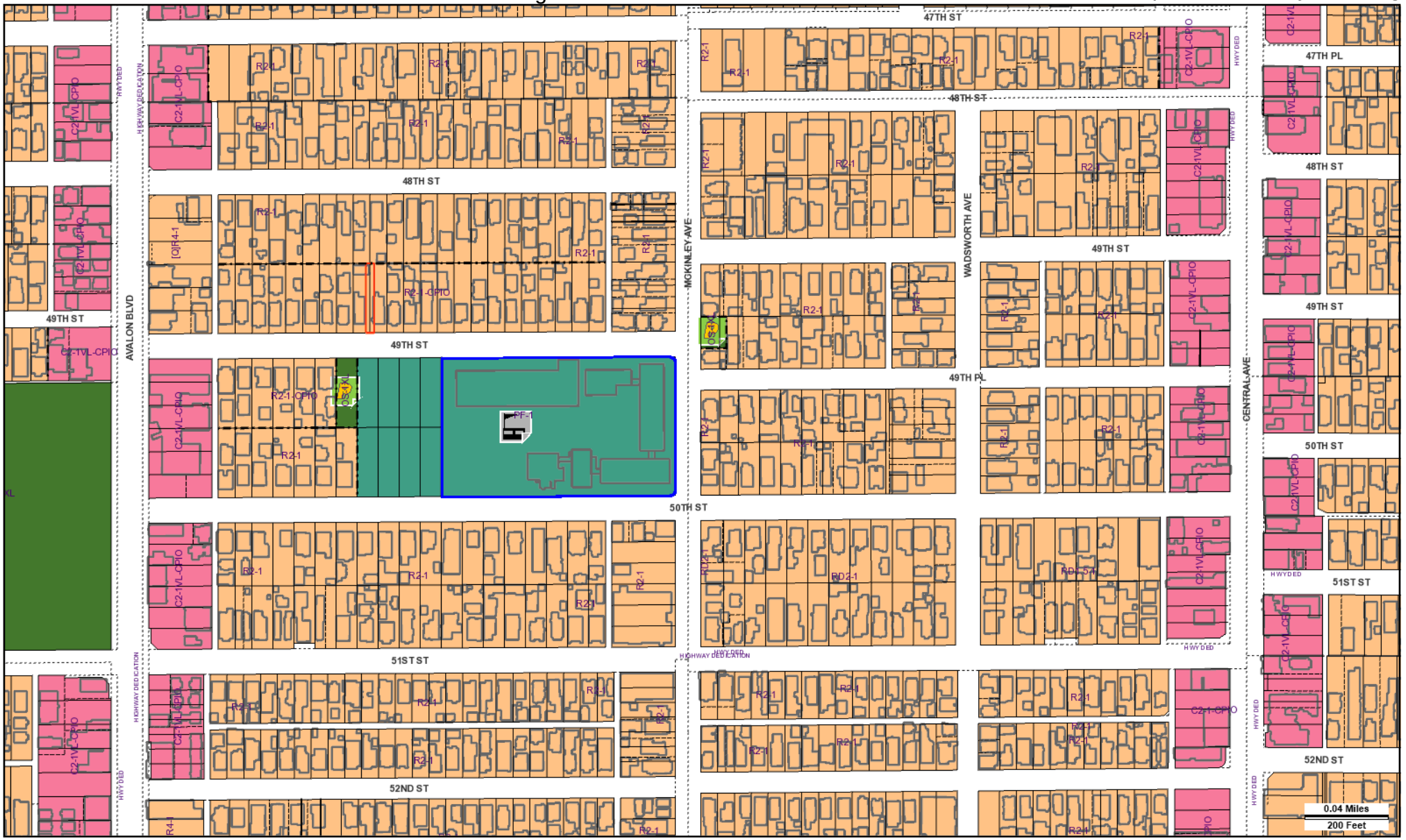
ZIMAS PUBLIC

Generalized Zoning

10/21/2021

City of Los Angeles
Department of City Planning



Address: 750 E 49TH ST
APN: 5108011909
PIN #: 111A207 175

Tract: TR 19639
Block: None
Lot: LT 1
Arb: None

Zoning: PF-1
General Plan: Public Facilities

N
W
E
S

LEGEND

GENERALIZED ZONING

- OS, GW
- A, RA
- RE, RS, R1, RU, RZ, RW1
- R2, RD, RMP, RW2, R3, RAS, R4, R5, PVSP
- CR, C1, C1.5, C2, C4, C5, CW, WC, ADP, LASED, CEC, USC, PPSP, MU, NMU
- CM, MR, CCS, UV, UI, UC, M1, M2, LAX, M3, SL, HJ, HR, NI
- P, PB
- PF

GENERAL PLAN LAND USE

LAND USE

RESIDENTIAL

- Minimum Residential
- Very Low / Very Low I Residential
- Very Low II Residential
- Low / Low I Residential
- Low II Residential
- Low Medium / Low Medium I Residential
- Low Medium II Residential
- Medium Residential
- High Medium Residential
- High Density Residential
- Very High Medium Residential

COMMERCIAL

- Limited Commercial
- Limited Commercial - Mixed Medium Residential
- Highway Oriented Commercial
- Highway Oriented and Limited Commercial
- Highway Oriented Commercial - Mixed Medium Residential
- Neighborhood Office Commercial
- Community Commercial
- Community Commercial -Mixed High Residential
- Regional Center Commercial

INDUSTRIAL

- Commercial Manufacturing
- Limited Manufacturing
- Light Manufacturing
- Heavy Manufacturing
- Hybrid Industrial

PARKING

- Parking Buffer

PORT OF LOS ANGELES

- General / Bulk Cargo - Non Hazardous (Industrial / Commercial)
- General / Bulk Cargo - Hazard
- Commercial Fishing
- Recreation and Commercial
- Intermodal Container Transfer Facility Site

LOS ANGELES INTERNATIONAL AIRPORT

- Airport Landside / Airport Landside Support
- Airport Airside
- LAX Airport Northside

OPEN SPACE / PUBLIC FACILITIES

- Open Space
- Public / Open Space
- Public / Quasi-Public Open Space
- Other Public Open Space
- Public Facilities

FRAMEWORK

COMMERCIAL

- Neighborhood Commercial
- General Commercial
- Community Commercial
- Regional Mixed Commercial

INDUSTRIAL

- Limited Industrial
- Light Industrial

CIRCULATION

STREET

- Arterial Mountain Road
- Collector Scenic Street
- Collector Street
- Collector Street (Hillside)
- Collector Street (Modified)
- Collector Street (Proposed)
- Country Road
- Divided Major Highway II
- Divided Secondary Scenic Highway
- Local Scenic Road
- Local Street
- Major Highway (Modified)
- Major Highway I
- Major Highway II
- Major Highway II (Modified)
- Major Scenic Highway
- Major Scenic Highway (Modified)
- Major Scenic Highway II
- Mountain Collector Street
- Park Road
- Parkway
- Principal Major Highway
- Private Street
- Scenic Divided Major Highway II
- Scenic Park
- Scenic Parkway
- Secondary Highway
- Secondary Highway (Modified)
- Secondary Scenic Highway
- Special Collector Street
- Super Major Highway

FREEWAYS

- Freeway
- Interchange
- On-Ramp / Off- Ramp
- Railroad
- Scenic Freeway Highway

MISC. LINES

- Airport Boundary
- Bus Line
- Coastal Zone Boundary
- Coastline Boundary
- Collector Scenic Street (Proposed)
- Commercial Areas
- Commercial Center
- Community Redevelopment Project Area
- Country Road
- DWP Power Lines
- Desirable Open Space
- Detached Single Family House
- Endangered Ridgeline
- Equestrian and/or Hiking Trail
- Hiking Trail
- Historical Preservation
- Horsekeeping Area
- Local Street
- MSA Desirable Open Space
- Major Scenic Controls
- Multi-Purpose Trail
- Natural Resource Reserve
- Park Road
- Park Road (Proposed)
- Quasi-Public
- Rapid Transit Line
- Residential Planned Development
- Scenic Highway (Obsolete)
- Secondary Scenic Controls
- Secondary Scenic Highway (Proposed)
- Site Boundary
- Southern California Edison Power
- Special Study Area
- Specific Plan Area
- Stagecoach Line
- Wildlife Corridor

POINTS OF INTEREST

- Alternative Youth Hostel (Proposed)
- Animal Shelter
- Area Library
- Area Library (Proposed)
- Bridge
- Campground
- Campground (Proposed)
- Cemetery
- HW Church
- City Hall
- Community Center
- Community Library
- Community Library (Proposed Expansion)
- Community Library (Proposed)
- Community Park
- Community Park (Proposed Expansion)
- Community Park (Proposed)
- Community Transit Center
- Convalescent Hospital
- Correctional Facility
- Cultural / Historic Site (Proposed)
- Cultural / Historical Site
- Cultural Arts Center
- DMV DMV Office
- DWP DWP
- DWP Pumping Station
- Equestrian Center
- HQ Fire Department Headquarters
- Fire Station
- Fire Station (Proposed Expansion)
- Fire Station (Proposed)
- Fire Supply & Maintenance
- Fire Training Site
- Fireboat Station
- Health Center / Medical Facility
- Helistop
- Historic Monument
- Historical / Cultural Monument
- Horsekeeping Area
- Horsekeeping Area (Proposed)
- Horticultural Center
- Hospital
- Hospital (Proposed)
- HW House of Worship
- e Important Ecological Area
- e Important Ecological Area (Proposed)
- Interpretive Center (Proposed)
- JC Junior College
- M MTA / Metrolink Station
- M MTA Station
- MTA Stop
- MWD MWD Headquarters
- Maintenance Yard
- Municipal Office Building
- P Municipal Parking lot
- Neighborhood Park
- Neighborhood Park (Proposed Expansion)
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- C Private College
- E Private Elementary School
- Private Golf Course
- Private Golf Course (Proposed)
- JH Private Junior High School
- PS Private Pre-School
- Private Recreation & Cultural Facility
- SH Private Senior High School
- SF Private Special School
- E Public Elementary (Proposed Expansion)
- E Public Elementary School
- E Public Elementary School (Proposed)
- Public Golf Course
- Public Golf Course (Proposed)
- Public Housing
- Public Housing (Proposed Expansion)
- JH Public Junior High School
- JH Public Junior High School (Proposed)
- MS Public Middle School
- SH Public Senior High School
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- Trail & Assembly Area
- Trail & Assembly Area (Proposed)
- UTL Utility Yard
- Water Tank Reservoir
- Wildlife Migration Corridor
- Wildlife Preserve Gate

SCHOOLS/PARKS WITH 500 FT. BUFFER

- Existing School/Park Site
- Planned School/Park Site
- Inside 500 Ft. Buffer

- Aquatic Facilities
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- Child Care Centers
- Dog Parks
- Golf Course
- Historic Sites
- Horticulture/Gardens
- Skate Parks
- Other Facilities
- Park / Recreation Centers
- Parks
- Performing / Visual Arts Centers
- Recreation Centers
- Senior Citizen Centers
- Opportunity School
- Charter School
- Elementary School
- Span School
- Special Education School
- High School
- Middle School
- Early Education Center

COASTAL ZONE

- Coastal Commission Permit Area
- Dual Permit Jurisdiction Area
- Single Permit Jurisdiction Area
- Not in Coastal Zone

TRANSIT ORIENTED COMMUNITIES (TOC)

- Tier 1
- Tier 2
- Tier 3
- Tier 4

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- Public Work Approval (PWA)
- Waiver of Dedication or Improvement (WDI)

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- Tract Line
- Lot Cut
- Easement
- Zone Boundary
- Building Line
- Lot Split
- Community Driveway
- Building Outlines 2014
- Building Outlines 2008
- Airport Hazard Zone
- Census Tract
- Coastal Zone
- Council District
- LADBS District Office
- Downtown Parking
- Fault Zone
- Fire District No. 1
- Tract Map
- Parcel Map
- Flood Zone
- Hazardous Waste
- High Wind Zone
- Hillside Grading
- Historic Preservation Overlay Zone
- Specific Plan Area
- Very High Fire Hazard Severity Zone
- Wells

City of Los Angeles
Department of City Planning

10/21/2021
PARCEL PROFILE REPORT

PROPERTY ADDRESSES
None

ZIP CODES
None

RECENT ACTIVITY
None

CASE NUMBERS
CPC-2010-2772-CRA
CPC-2008-1553-CPU
CPC-1996-398
CPC-1990-346-CA
CPC-1983-506
ORD-174172-SA670
ORD-171682
ORD-171681
ORD-162128
ENV-2013-3392-CE
ENV-2008-1780-EIR

Address/Legal Information	
PIN Number	111A207 176
Lot/Parcel Area (Calculated)	8,250.4 (sq ft)
Thomas Brothers Grid	PAGE 674 - GRID E4
Assessor Parcel No. (APN)	5108011910
Tract	MC KINLEY PLACE
Map Reference	M B 5-19
Block	C
Lot	23
Arb (Lot Cut Reference)	None
Map Sheet	111A207
Jurisdictional Information	
Community Plan Area	Southeast Los Angeles
Area Planning Commission	South Los Angeles
Neighborhood Council	Zapata-King
Council District	CD 9 - Curren D. Price, Jr.
Census Tract #	2292.00
LADBS District Office	Los Angeles Metro
Planning and Zoning Information	
Special Notes	None
Zoning	PF-1
Zoning Information (ZI)	ZI-2374 State Enterprise Zone: Los Angeles
	ZI-1231 Specific Plan: South Los Angeles Alcohol Sales
	ZI-2452 Transit Priority Area in the City of Los Angeles
General Plan Land Use	Public Facilities
General Plan Note(s)	Yes
Hillside Area (Zoning Code)	No
Specific Plan Area	SOUTH LOS ANGELES ALCOHOL SALES
Subarea	None
Special Land Use / Zoning	None
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
CDO: Community Design Overlay	None
CPIO: Community Plan Imp. Overlay	None
Subarea	None
CUGU: Clean Up-Green Up	None
HCR: Hillside Construction Regulation	No
NSO: Neighborhood Stabilization Overlay	No
POD: Pedestrian Oriented Districts	None
RFA: Residential Floor Area District	None
RIO: River Implementation Overlay	No
SN: Sign District	No
Streetscape	No
Adaptive Reuse Incentive Area	None

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Affordable Housing Linkage Fee	
Residential Market Area	Low
Non-Residential Market Area	Exempt (Prior to 2/17/21)
Transit Oriented Communities (TOC)	Tier 1
RPA: Redevelopment Project Area	None
Central City Parking	No
Downtown Parking	No
Building Line	None
500 Ft School Zone	Active: 49th Street Elementary School
500 Ft Park Zone	Active: 49th Street Park
Assessor Information	
Assessor Parcel No. (APN)	5108011910
APN Area (Co. Public Works)*	0.568 (ac)
Use Code	8800 - Miscellaneous - Government Owned Property
Assessed Land Val.	$35,860
Assessed Improvement Val.	$0
Last Owner Change	09/25/1969
Last Sale Amount	$0
Tax Rate Area	7
Deed Ref No. (City Clerk)	7-957
	5-520
	1-130
Building 1	No data for building 1
Building 2	No data for building 2
Building 3	No data for building 3
Building 4	No data for building 4
Building 5	No data for building 5
Rent Stabilization Ordinance (RSO)	No [APN: 5108011910]
Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
Urban Agriculture Incentive Zone	YES
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	Outside Flood Zone
Watercourse	No
Hazardous Waste / Border Zone Properties	No
Methane Hazard Site	None
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	No
Wells	None
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	2.63395968
Nearest Fault (Name)	Puente Hills Blind Thrust
Region	Los Angeles Blind Thrusts
Fault Type	B
Slip Rate (mm/year)	0.70000000
Slip Geometry	Reverse
Slip Type	Moderately / Poorly Constrained
Down Dip Width (km)	19.00000000
Rupture Top	5.00000000
Rupture Bottom	13.00000000

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Dip Angle (degrees)	25.00000000
Maximum Magnitude	7.10000000
Alquist-Priolo Fault Zone	No
Landslide	No
Liquefaction	No
Preliminary Fault Rupture Study Area	No
Tsunami Inundation Zone	No
Economic Development Areas	
Business Improvement District	None
Hubzone	Qualified
Opportunity Zone	No
Promise Zone	South Los Angeles Transit Empowerment Zone
State Enterprise Zone	LOS ANGELES STATE ENTERPRISE ZONE
Housing	
Direct all Inquiries to	Housing+Community Investment Department
Telephone	(866) 557-7368
Website	http://hcidla.lacity.org
Rent Stabilization Ordinance (RSO)	No [APN: 5108011910]
Ellis Act Property	No
AB 1482: Tenant Protection Act	No
Public Safety	
Police Information	
Bureau	Central
Division / Station	Newton
Reporting District	1363
Fire Information	
Bureau	South
Batallion	13
District / Fire Station	21
Red Flag Restricted Parking	No

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CASE SUMMARIES

Note: Information for case summaries is retrieved from the Planning Department's Plan Case Tracking System (PCTS) database.

Case Number:	CPC-2010-2772-CRA
Required Action(s):	CRA-COMMUNITY REDEVELOPMENT AGENCY
Project Descriptions(s):	CD9 CORRIDORS REDEVELOPMENT PLAN. A PRELIMINARY PLAN FOR A PROPOSED AMENDMENT TO THE CD9 CORRIDORS REDEVELOPMENT PLAN.
Case Number:	CPC-2008-1553-CPU
Required Action(s):	CPU-COMMUNITY PLAN UPDATE
Project Descriptions(s):	SOUTHEAST LOS ANGELES COMMUNITY PLAN UPDATE
Case Number:	CPC-1996-398
Required Action(s):	Data Not Available
Project Descriptions(s):	
Case Number:	CPC-1990-346-CA
Required Action(s):	CA-CODE AMENDMENT
Project Descriptions(s):	AMENDMENT TO THE L.A.M.C. TO - DRAFT AN ORDINANCE TO PROHIBIT THE GRANTING OF A CONDITIONAL USE PERMIT FOR THE OFF-SITE SALE OF ALCOHOLIC BEVERAGES (LOURDES GREEN/KAREN HOO)\
Case Number:	CPC-1983-506
Required Action(s):	Data Not Available
Project Descriptions(s):	SPECIFIC PLN ORD FOR INTERIM CONDITIONAL USE APPRVL FOR ESTABLISHMENTS FOR THE SALE OF ALCOHOL WHICH ARE GENERALLY LOCATED INTHE SOUTH CENTRAL AREA OF THE CITY
Case Number:	ENV-2013-3392-CE
Required Action(s):	CE-CATEGORICAL EXEMPTION
Project Descriptions(s):	THE PROPOSED ORDINANCE MODIFIES SECTION 22.119 OF THE LOS ANGELES ADMINISTRATIVE CODE TO ALLOW ORIGINAL ART MURALS ON LOTS DEVELOPED WITH ONLY ONE SINGLE-FAMILY RESIDENTIAL STRUCTURE AND THAT ARE LOCATED WITHIN COUNCIL DISTRICTS 1, 9, AND 14.
Case Number:	ENV-2008-1780-EIR
Required Action(s):	EIR-ENVIRONMENTAL IMPACT REPORT
Project Descriptions(s):	SOUTHEAST LOS ANGELES COMMUNITY PLAN UPDATE

DATA NOT AVAILABLE

ORD-174172-SA670

ORD-171682

ORD-171681

ORD-162128

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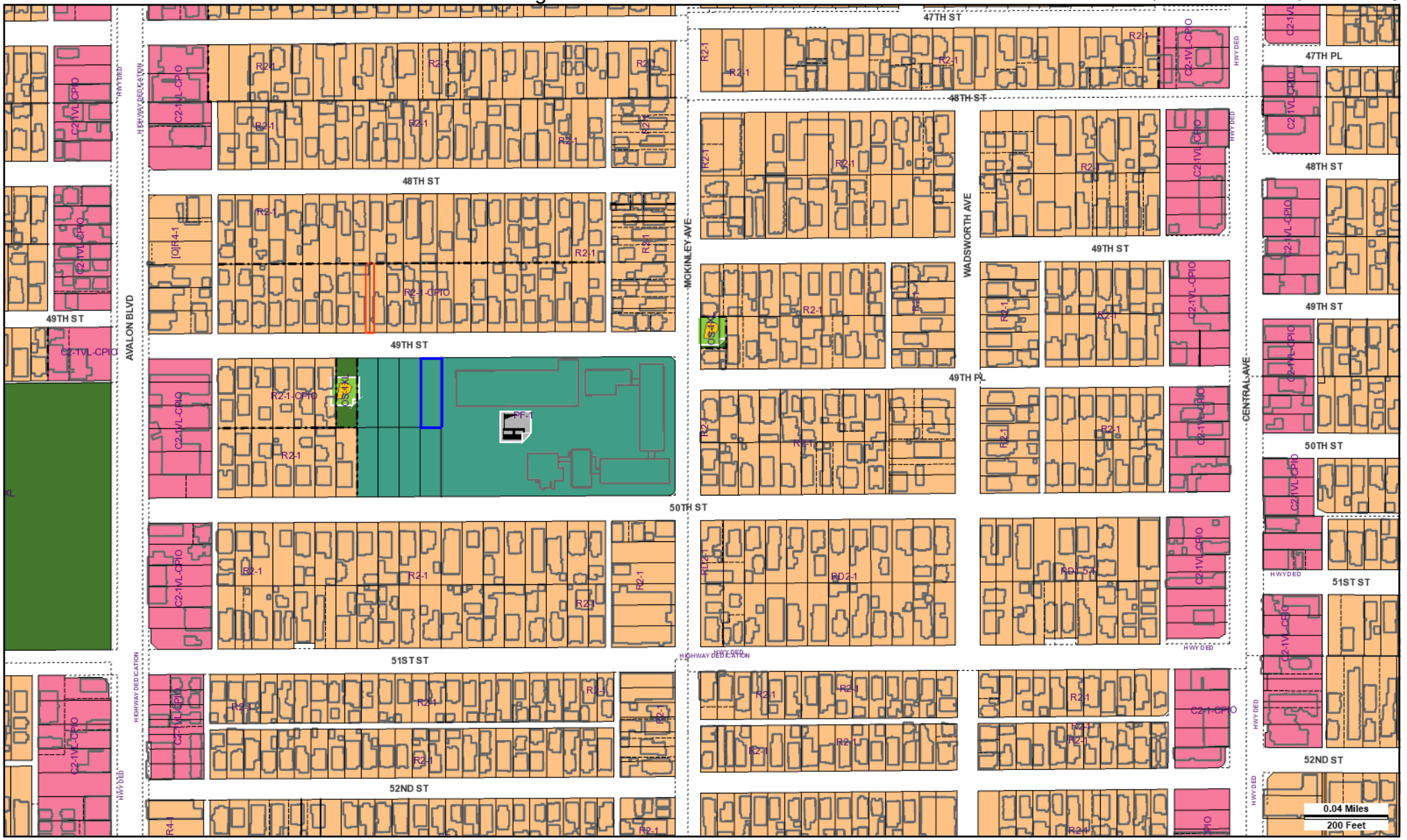
ZIMAS PUBLIC

Generalized Zoning

10/21/2021

City of Los Angeles
Department of City Planning



Address: undefined
APN: 5108011910
PIN #: 111A207 176

Tract: MC KINLEY PLACE
Block: C
Lot: 23
Arb: None

Zoning: PF-1
General Plan: Public Facilities

N
W E
S

LEGEND

GENERALIZED ZONING

- OS, GW
- A, RA
- RE, RS, R1, RU, RZ, RW1
- R2, RD, RMP, RW2, R3, RAS, R4, R5, PVSP
- CR, C1, C1.5, C2, C4, C5, CW, WC, ADP, LASED, CEC, USC, PPSP, MU, NMU
- CM, MR, CCS, UV, UI, UC, M1, M2, LAX, M3, SL, HJ, HR, NI
- P, PB
- PF

GENERAL PLAN LAND USE

LAND USE

RESIDENTIAL

- Minimum Residential
- Very Low / Very Low I Residential
- Very Low II Residential
- Low / Low I Residential
- Low II Residential
- Low Medium / Low Medium I Residential
- Low Medium II Residential
- Medium Residential
- High Medium Residential
- High Density Residential
- Very High Medium Residential

COMMERCIAL

- Limited Commercial
- Limited Commercial - Mixed Medium Residential
- Highway Oriented Commercial
- Highway Oriented and Limited Commercial
- Highway Oriented Commercial - Mixed Medium Residential
- Neighborhood Office Commercial
- Community Commercial
- Community Commercial -Mixed High Residential
- Regional Center Commercial

INDUSTRIAL

- Commercial Manufacturing
- Limited Manufacturing
- Light Manufacturing
- Heavy Manufacturing
- Hybrid Industrial

PARKING

- Parking Buffer

PORT OF LOS ANGELES

- General / Bulk Cargo - Non Hazardous (Industrial / Commercial)
- General / Bulk Cargo - Hazard
- Commercial Fishing
- Recreation and Commercial
- Intermodal Container Transfer Facility Site

LOS ANGELES INTERNATIONAL AIRPORT

- Airport Landside / Airport Landside Support
- Airport Airside
- LAX Airport Northside

OPEN SPACE / PUBLIC FACILITIES

- Open Space
- Public / Open Space
- Public / Quasi-Public Open Space
- Other Public Open Space
- Public Facilities

FRAMEWORK

COMMERCIAL

- Neighborhood Commercial
- General Commercial
- Community Commercial
- Regional Mixed Commercial

INDUSTRIAL

- Limited Industrial
- Light Industrial

CIRCULATION

STREET

- Arterial Mountain Road
- Collector Scenic Street
- Collector Street
- Collector Street (Hillside)
- Collector Street (Modified)
- Collector Street (Proposed)
- Country Road
- Divided Major Highway II
- Divided Secondary Scenic Highway
- Local Scenic Road
- Local Street
- Major Highway (Modified)
- Major Highway I
- Major Highway II
- Major Highway II (Modified)
- Major Scenic Highway
- Major Scenic Highway (Modified)
- Major Scenic Highway II
- Mountain Collector Street
- Park Road
- Parkway
- Principal Major Highway
- Private Street
- Scenic Divided Major Highway II
- Scenic Park
- Scenic Parkway
- Secondary Highway
- Secondary Highway (Modified)
- Secondary Scenic Highway
- Special Collector Street
- Super Major Highway

FREEWAYS

- Freeway
- Interchange
- On-Ramp / Off- Ramp
- Railroad
- Scenic Freeway Highway

MISC. LINES

- Airport Boundary
- Bus Line
- Coastal Zone Boundary
- Coastline Boundary
- Collector Scenic Street (Proposed)
- Commercial Areas
- Commercial Center
- Community Redevelopment Project Area
- Country Road
- DWP Power Lines
- Desirable Open Space
- Detached Single Family House
- Endangered Ridgeline
- Equestrian and/or Hiking Trail
- Hiking Trail
- Historical Preservation
- Horsekeeping Area
- Local Street
- MSA Desirable Open Space
- Major Scenic Controls
- Multi-Purpose Trail
- Natural Resource Reserve
- Park Road
- Park Road (Proposed)
- Quasi-Public
- Rapid Transit Line
- Residential Planned Development
- Scenic Highway (Obsolete)
- Secondary Scenic Controls
- Secondary Scenic Highway (Proposed)
- Site Boundary
- Southern California Edison Power
- Special Study Area
- Specific Plan Area
- Stagecoach Line
- Wildlife Corridor

POINTS OF INTEREST

- Alternative Youth Hostel (Proposed)
- Animal Shelter
- Area Library
- Area Library (Proposed)
- Bridge
- Campground
- Campground (Proposed)
- Cemetery
- HW Church
- City Hall
- Community Center
- Community Library
- Community Library (Proposed Expansion)
- Community Library (Proposed)
- Community Park
- Community Park (Proposed Expansion)
- Community Park (Proposed)
- Community Transit Center
- Convalescent Hospital
- Correctional Facility
- Cultural / Historic Site (Proposed)
- Cultural / Historical Site
- Cultural Arts Center
- DMV DMV Office
- DWP DWP
- DWP Pumping Station
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City of Los Angeles
Department of City Planning

10/21/2021
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CASE NUMBERS
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General Plan Land Use	Public Facilities
General Plan Note(s)	Yes
Hillside Area (Zoning Code)	No
Specific Plan Area	SOUTH LOS ANGELES ALCOHOL SALES
Subarea	None
Special Land Use / Zoning	None
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
CDO: Community Design Overlay	None
CPIO: Community Plan Imp. Overlay	None
Subarea	None
CUGU: Clean Up-Green Up	None
HCR: Hillside Construction Regulation	No
NSO: Neighborhood Stabilization Overlay	No
POD: Pedestrian Oriented Districts	None
RFA: Residential Floor Area District	None
RIO: River Implementation Overlay	No
SN: Sign District	No
Streetscape	No

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Adaptive Reuse Incentive Area	None
Affordable Housing Linkage Fee	
Residential Market Area	Low
Non-Residential Market Area	Exempt (Prior to 2/17/21)
Transit Oriented Communities (TOC)	Tier 1
RPA: Redevelopment Project Area	None
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Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
Urban Agriculture Incentive Zone	YES
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	Outside Flood Zone
Watercourse	No
Hazardous Waste / Border Zone Properties	No
Methane Hazard Site	None
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	No
Wells	None
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	2.6436828
Nearest Fault (Name)	Puente Hills Blind Thrust
Region	Los Angeles Blind Thrusts
Fault Type	B
Slip Rate (mm/year)	0.70000000
Slip Geometry	Reverse
Slip Type	Moderately / Poorly Constrained
Down Dip Width (km)	19.00000000
Rupture Top	5.00000000

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Rupture Bottom	13.00000000
Dip Angle (degrees)	25.00000000
Maximum Magnitude	7.10000000
Alquist-Priolo Fault Zone	No
Landslide	No
Liquefaction	No
Preliminary Fault Rupture Study Area	No
Tsunami Inundation Zone	No
Economic Development Areas	
Business Improvement District	None
Hubzone	Qualified
Opportunity Zone	No
Promise Zone	South Los Angeles Transit Empowerment Zone
State Enterprise Zone	LOS ANGELES STATE ENTERPRISE ZONE
Housing	
Direct all Inquiries to	Housing+Community Investment Department
Telephone	(866) 557-7368
Website	http://hcidla.lacity.org
Rent Stabilization Ordinance (RSO)	No [APN: 5108011910]
Ellis Act Property	No
AB 1482: Tenant Protection Act	No
Public Safety	
Police Information	
Bureau	Central
Division / Station	Newton
Reporting District	1363
Fire Information	
Bureau	South
Batallion	13
District / Fire Station	21
Red Flag Restricted Parking	No

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CASE SUMMARIES

Note: Information for case summaries is retrieved from the Planning Department's Plan Case Tracking System (PCTS) database.

Case Number:	CPC-3012-CU
Required Action(s):	CU-CONDITIONAL USE
Project Descriptions(s):	Data Not Available
Case Number:	CPC-2010-2772-CRA
Required Action(s):	CRA-COMMUNITY REDEVELOPMENT AGENCY
Project Descriptions(s):	CD9 CORRIDORS REDEVELOPMENT PLAN. A PRELIMINARY PLAN FOR A PROPOSED AMENDMENT TO THE CD9 CORRIDORS REDEVELOPMENT PLAN.
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Required Action(s):	CPU-COMMUNITY PLAN UPDATE
Project Descriptions(s):	SOUTHEAST LOS ANGELES COMMUNITY PLAN UPDATE
Case Number:	CPC-1996-398
Required Action(s):	Data Not Available
Project Descriptions(s):	
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Required Action(s):	CA-CODE AMENDMENT
Project Descriptions(s):	AMENDMENT TO THE L.A.M.C. TO - DRAFT AN ORDINANCE TO PROHIBIT THE GRANTING OF A CONDITIONAL USE PERMIT FOR THE OFF-SITE SALE OF ALCOHOLIC BEVERAGES (LOURDES GREEN/KAREN HOO)\
Case Number:	CPC-1983-506
Required Action(s):	Data Not Available
Project Descriptions(s):	SPECIFIC PLN ORD FOR INTERIM CONDITIONAL USE APPRVL FOR ESTABLISHMENTS FOR THE SALE OF ALCOHOL WHICH ARE GENERALLY LOCATED INTHE SOUTH CENTRAL AREA OF THE CITY
Case Number:	ENV-2013-3392-CE
Required Action(s):	CE-CATEGORICAL EXEMPTION
Project Descriptions(s):	THE PROPOSED ORDINANCE MODIFIES SECTION 22.119 OF THE LOS ANGELES ADMINISTRATIVE CODE TO ALLOW ORIGINAL ART MURALS ON LOTS DEVELOPED WITH ONLY ONE SINGLE-FAMILY RESIDENTIAL STRUCTURE AND THAT ARE LOCATED WITHIN COUNCIL DISTRICTS 1, 9, AND 14.
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DATA NOT AVAILABLE

ORD-174172-SA670

ORD-171682

ORD-171681

ORD-162128

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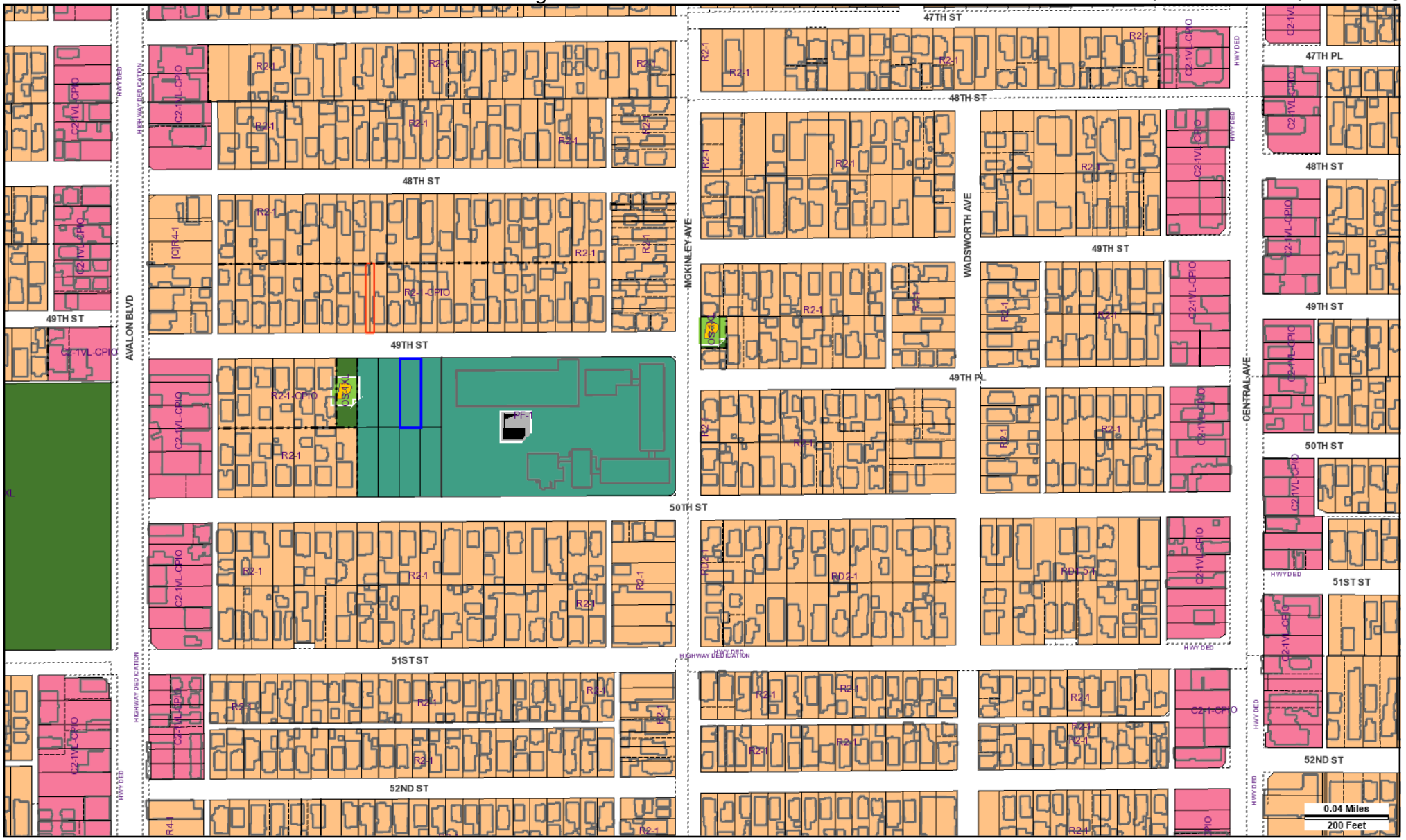
ZIMAS PUBLIC

Generalized Zoning

10/21/2021

City of Los Angeles
Department of City Planning



Address: undefined
APN: 5108011910
PIN #: 111A207 177

Tract: MC KINLEY PLACE
Block: C
Lot: 25
Arb: None

Zoning: PF-1
General Plan: Public Facilities

N
W
E
S

CITY OF LOS ANGELES FOUNDED 1781

LEGEND

GENERALIZED ZONING

- OS, GW
- A, RA
- RE, RS, R1, RU, RZ, RW1
- R2, RD, RMP, RW2, R3, RAS, R4, R5, PVSP
- CR, C1, C1.5, C2, C4, C5, CW, WC, ADP, LASED, CEC, USC, PPSP, MU, NMU
- CM, MR, CCS, UV, UI, UC, M1, M2, LAX, M3, SL, HJ, HR, NI
- P, PB
- PF

GENERAL PLAN LAND USE

LAND USE

RESIDENTIAL

- Minimum Residential
- Very Low / Very Low I Residential
- Very Low II Residential
- Low / Low I Residential
- Low II Residential
- Low Medium / Low Medium I Residential
- Low Medium II Residential
- Medium Residential
- High Medium Residential
- High Density Residential
- Very High Medium Residential

COMMERCIAL

- Limited Commercial
- Limited Commercial - Mixed Medium Residential
- Highway Oriented Commercial
- Highway Oriented and Limited Commercial
- Highway Oriented Commercial - Mixed Medium Residential
- Neighborhood Office Commercial
- Community Commercial
- Community Commercial -Mixed High Residential
- Regional Center Commercial

INDUSTRIAL

- Commercial Manufacturing
- Limited Manufacturing
- Light Manufacturing
- Heavy Manufacturing
- Hybrid Industrial

PARKING

- Parking Buffer

PORT OF LOS ANGELES

- General / Bulk Cargo - Non Hazardous (Industrial / Commercial)
- General / Bulk Cargo - Hazard
- Commercial Fishing
- Recreation and Commercial
- Intermodal Container Transfer Facility Site

LOS ANGELES INTERNATIONAL AIRPORT

- Airport Landside / Airport Landside Support
- Airport Airside
- LAX Airport Northside

OPEN SPACE / PUBLIC FACILITIES

- Open Space
- Public / Open Space
- Public / Quasi-Public Open Space
- Other Public Open Space
- Public Facilities

FRAMEWORK

COMMERCIAL

- Neighborhood Commercial
- General Commercial
- Community Commercial
- Regional Mixed Commercial

INDUSTRIAL

- Limited Industrial
- Light Industrial

CIRCULATION

STREET

- Arterial Mountain Road
- Collector Scenic Street
- Collector Street
- Collector Street (Hillside)
- Collector Street (Modified)
- Collector Street (Proposed)
- Country Road
- Divided Major Highway II
- Divided Secondary Scenic Highway
- Local Scenic Road
- Local Street
- Major Highway (Modified)
- Major Highway I
- Major Highway II
- Major Highway II (Modified)
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- Major Scenic Highway II
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- Parkway
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- Secondary Scenic Highway
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FREEWAYS

- Freeway
- Interchange
- On-Ramp / Off- Ramp
- Railroad
- Scenic Freeway Highway

MISC. LINES

- Airport Boundary
- Bus Line
- Coastal Zone Boundary
- Coastline Boundary
- Collector Scenic Street (Proposed)
- Commercial Areas
- Commercial Center
- Community Redevelopment Project Area
- Country Road
- DWP Power Lines
- Desirable Open Space
- Detached Single Family House
- Endangered Ridgeline
- Equestrian and/or Hiking Trail
- Hiking Trail
- Historical Preservation
- Horsekeeping Area
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- Park Road (Proposed)
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- Secondary Scenic Highway (Proposed)
- Site Boundary
- Southern California Edison Power
- Special Study Area
- Specific Plan Area
- Stagecoach Line
- Wildlife Corridor

POINTS OF INTEREST

- Alternative Youth Hostel (Proposed)
- Animal Shelter
- Area Library
- Area Library (Proposed)
- Bridge
- Campground
- Campground (Proposed)
- Cemetery
- HW Church
- City Hall
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- Community Library (Proposed)
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- DMV DMV Office
- DWP DWP
- DWP Pumping Station
- Equestrian Center
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- Fire Station (Proposed Expansion)
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- M MTA / Metrolink Station
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- Power Distribution Station (Proposed)
- Power Receiving Station
- Power Receiving Station (Proposed)
- C Private College
- E Private Elementary School
- Private Golf Course
- Private Golf Course (Proposed)
- JH Private Junior High School
- PS Private Pre-School
- Private Recreation & Cultural Facility
- SH Private Senior High School
- SF Private Special School
- E Public Elementary (Proposed Expansion)
- E Public Elementary School
- E Public Elementary School (Proposed)
- Public Golf Course
- Public Golf Course (Proposed)
- Public Housing
- Public Housing (Proposed Expansion)
- JH Public Junior High School
- JH Public Junior High School (Proposed)
- MS Public Middle School
- SH Public Senior High School
- SH Public Senior High School (Proposed)
- Pumping Station
- Pumping Station (Proposed)
- Refuse Collection Center
- Regional Library
- Regional Library (Proposed Expansion)
- Regional Library (Proposed)
- Regional Park
- Regional Park (Proposed)
- RPD Residential Plan Development
- Scenic View Site
- Scenic View Site (Proposed)
- ADM School District Headquarters
- SC School Unspecified Loc/Type (Proposed)
- Skill Center
- SS Social Services
- Special Feature
- Special Recreation (a)
- SF Special School Facility
- SF Special School Facility (Proposed)
- Steam Plant
- sm Surface Mining
- Trail & Assembly Area
- Trail & Assembly Area (Proposed)
- UTL Utility Yard
- Water Tank Reservoir
- Wildlife Migration Corridor
- Wildlife Preserve Gate

SCHOOLS/PARKS WITH 500 FT. BUFFER

- Existing School/Park Site
- Planned School/Park Site
- Inside 500 Ft. Buffer

- Aquatic Facilities
- Beaches
- Child Care Centers
- Dog Parks
- Golf Course
- Historic Sites
- Horticulture/Gardens
- Skate Parks
- Other Facilities
- Park / Recreation Centers
- Parks
- Performing / Visual Arts Centers
- Recreation Centers
- Senior Citizen Centers
- Opportunity School
- Charter School
- Elementary School
- Span School
- Special Education School
- High School
- Middle School
- Early Education Center

COASTAL ZONE

- Coastal Commission Permit Area
- Dual Permit Jurisdiction Area
- Single Permit Jurisdiction Area
- Not in Coastal Zone

TRANSIT ORIENTED COMMUNITIES (TOC)

- Tier 1
- Tier 2
- Tier 3
- Tier 4

Note: TOC Tier designation and map layers are for reference purposes only. Eligible projects shall demonstrate compliance with Tier eligibility standards prior to the issuance of any permits or approvals. As transit service changes, eligible TOC Incentive Areas will be updated.

WAIVER OF DEDICATION OR IMPROVEMENT

- Public Work Approval (PWA)
- Waiver of Dedication or Improvement (WDI)

OTHER SYMBOLS

- Lot Line
- Tract Line
- Lot Cut
- Easement
- Zone Boundary
- Building Line
- Lot Split
- Community Driveway
- Building Outlines 2014
- Building Outlines 2008
- Airport Hazard Zone
- Census Tract
- Coastal Zone
- Council District
- LADBS District Office
- Downtown Parking
- Fault Zone
- Fire District No. 1
- Tract Map
- Parcel Map
- Flood Zone
- Hazardous Waste
- High Wind Zone
- Hillside Grading
- Historic Preservation Overlay Zone
- Specific Plan Area
- Very High Fire Hazard Severity Zone
- Wells

City of Los Angeles
Department of City Planning

10/21/2021
PARCEL PROFILE REPORT

PROPERTY ADDRESSES
None

ZIP CODES
None

RECENT ACTIVITY
None

CASE NUMBERS
CPC-2010-2772-CRA
CPC-2008-1553-CPU
CPC-1996-398
CPC-1990-346-CA
CPC-1983-506
ORD-174172-SA670
ORD-171682
ORD-171681
ORD-162128
ENV-2013-3392-CE
ENV-2008-1780-EIR

Address/Legal Information	
PIN Number	111A207 178
Lot/Parcel Area (Calculated)	8,250.4 (sq ft)
Thomas Brothers Grid	PAGE 674 - GRID D4
Assessor Parcel No. (APN)	5108011910
Tract	MC KINLEY PLACE
Map Reference	M B 5-19
Block	C
Lot	27
Arb (Lot Cut Reference)	None
Map Sheet	111A207
Jurisdictional Information	
Community Plan Area	Southeast Los Angeles
Area Planning Commission	South Los Angeles
Neighborhood Council	Zapata-King
Council District	CD 9 - Curren D. Price, Jr.
Census Tract #	2292.00
LADBS District Office	Los Angeles Metro
Planning and Zoning Information	
Special Notes	None
Zoning	PF-1
Zoning Information (ZI)	ZI-2374 State Enterprise Zone: Los Angeles
	ZI-1231 Specific Plan: South Los Angeles Alcohol Sales
	ZI-2452 Transit Priority Area in the City of Los Angeles
General Plan Land Use	Public Facilities
General Plan Note(s)	Yes
Hillside Area (Zoning Code)	No
Specific Plan Area	SOUTH LOS ANGELES ALCOHOL SALES
Subarea	None
Special Land Use / Zoning	None
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
CDO: Community Design Overlay	None
CPIO: Community Plan Imp. Overlay	None
Subarea	None
CUGU: Clean Up-Green Up	None
HCR: Hillside Construction Regulation	No
NSO: Neighborhood Stabilization Overlay	No
POD: Pedestrian Oriented Districts	None
RFA: Residential Floor Area District	None
RIO: River Implementation Overlay	No
SN: Sign District	No
Streetscape	No
Adaptive Reuse Incentive Area	None

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Affordable Housing Linkage Fee	
Residential Market Area	Low
Non-Residential Market Area	Exempt (Prior to 2/17/21)
Transit Oriented Communities (TOC)	Tier 1
RPA: Redevelopment Project Area	None
Central City Parking	No
Downtown Parking	No
Building Line	None
500 Ft School Zone	Active: 49th Street Elementary School
500 Ft Park Zone	Active: 49th Street Park
Assessor Information	
Assessor Parcel No. (APN)	5108011910
APN Area (Co. Public Works)*	0.568 (ac)
Use Code	8800 - Miscellaneous - Government Owned Property
Assessed Land Val.	$35,860
Assessed Improvement Val.	$0
Last Owner Change	09/25/1969
Last Sale Amount	$0
Tax Rate Area	7
Deed Ref No. (City Clerk)	7-957
	5-520
	1-130
Building 1	No data for building 1
Building 2	No data for building 2
Building 3	No data for building 3
Building 4	No data for building 4
Building 5	No data for building 5
Rent Stabilization Ordinance (RSO)	No [APN: 5108011910]
Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
Urban Agriculture Incentive Zone	YES
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	Outside Flood Zone
Watercourse	No
Hazardous Waste / Border Zone Properties	No
Methane Hazard Site	None
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	No
Wells	None
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	2.65337544
Nearest Fault (Name)	Puente Hills Blind Thrust
Region	Los Angeles Blind Thrusts
Fault Type	B
Slip Rate (mm/year)	0.70000000
Slip Geometry	Reverse
Slip Type	Moderately / Poorly Constrained
Down Dip Width (km)	19.00000000
Rupture Top	5.00000000
Rupture Bottom	13.00000000

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Dip Angle (degrees)	25.00000000
Maximum Magnitude	7.10000000
Alquist-Priolo Fault Zone	No
Landslide	No
Liquefaction	No
Preliminary Fault Rupture Study Area	No
Tsunami Inundation Zone	No
Economic Development Areas	
Business Improvement District	None
Hubzone	Qualified
Opportunity Zone	No
Promise Zone	South Los Angeles Transit Empowerment Zone
State Enterprise Zone	LOS ANGELES STATE ENTERPRISE ZONE
Housing	
Direct all Inquiries to	Housing+Community Investment Department
Telephone	(866) 557-7368
Website	http://hcidla.lacity.org
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Ellis Act Property	No
AB 1482: Tenant Protection Act	No
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Bureau	South
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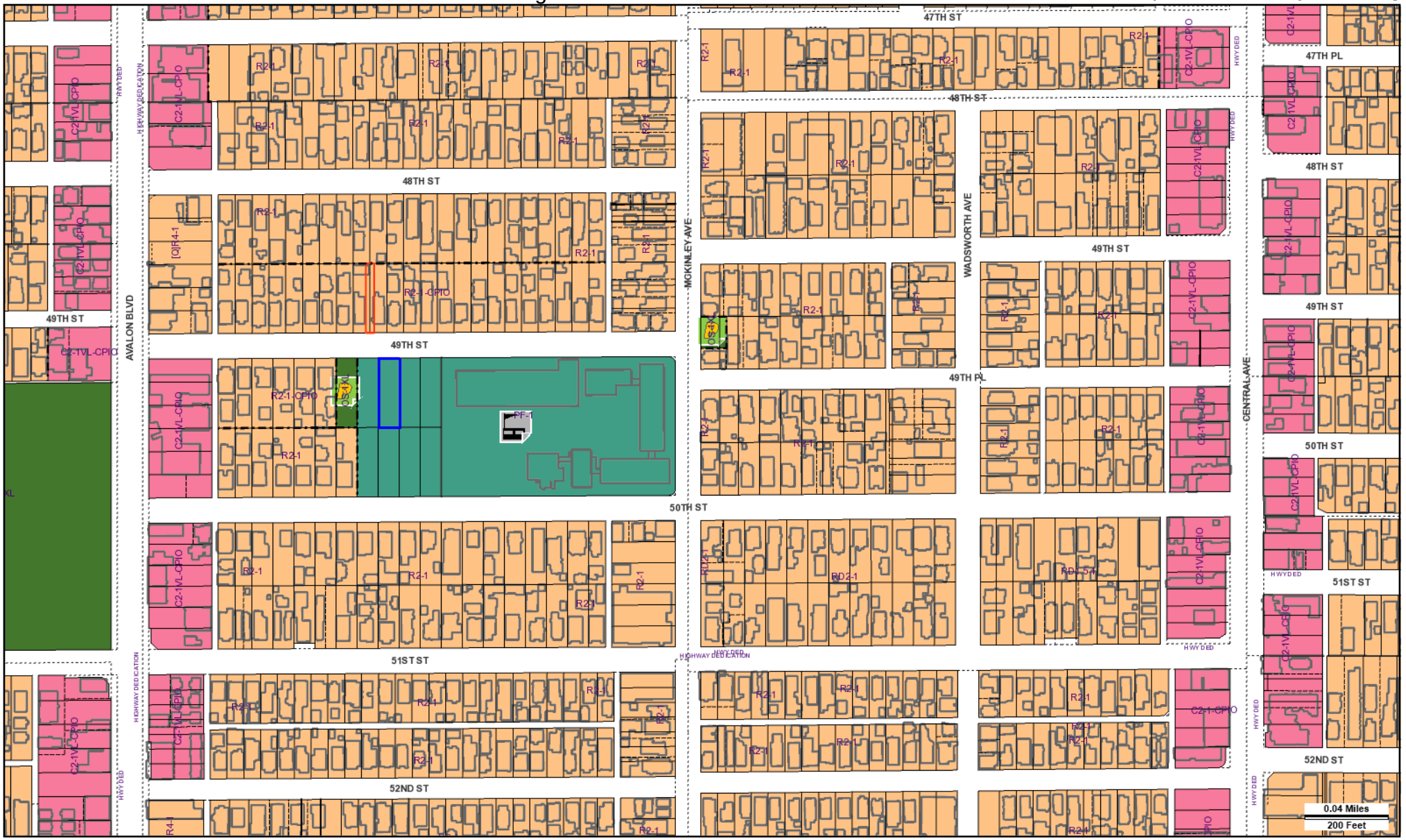
10/21/2021

City of Los Angeles
Department of City Planning



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APN: 5108011910
PIN #: 111A207 178

Tract: MC KINLEY PLACE
Block: C
Lot: 27
Arb: None

Zoning: PF-1
General Plan: Public Facilities

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LEGEND

GENERALIZED ZONING

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- Public Elementary (Proposed Expansion)
- Public Elementary School
- Public Elementary School (Proposed)
- Public Golf Course
- Public Golf Course (Proposed)
- Public Housing
- Public Housing (Proposed Expansion)
- JH Public Junior High School
- JH Public Junior High School (Proposed)
- MS Public Middle School
- SH Public Senior High School
- SH Public Senior High School (Proposed)
- Pumping Station
- Pumping Station (Proposed)
- Refuse Collection Center
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- Regional Library (Proposed Expansion)
- Regional Library (Proposed)
- Regional Park
- Regional Park (Proposed)
- RPD Residential Plan Development
- Scenic View Site
- Scenic View Site (Proposed)
- ADM School District Headquarters
- SC School Unspecified Loc/Type (Proposed)
- Skill Center
- SS Social Services
- Special Feature
- Special Recreation (a)
- SF Special School Facility
- SF Special School Facility (Proposed)
- Steam Plant
- sm Surface Mining
- Trail & Assembly Area
- Trail & Assembly Area (Proposed)
- UTL Utility Yard
- Water Tank Reservoir
- Wildlife Migration Corridor
- Wildlife Preserve Gate

SCHOOLS/PARKS WITH 500 FT. BUFFER

- Existing School/Park Site
- Planned School/Park Site
- Inside 500 Ft. Buffer

- Aquatic Facilities
- Beaches
- Child Care Centers
- Dog Parks
- Golf Course
- Historic Sites
- Horticulture/Gardens
- Skate Parks
- Other Facilities
- Park / Recreation Centers
- Parks
- Performing / Visual Arts Centers
- Recreation Centers
- Senior Citizen Centers
- Opportunity School
- Charter School
- Elementary School
- Span School
- Special Education School
- High School
- Middle School
- Early Education Center

COASTAL ZONE

- Coastal Commission Permit Area
- Dual Permit Jurisdiction Area
- Single Permit Jurisdiction Area
- Not in Coastal Zone

TRANSIT ORIENTED COMMUNITIES (TOC)

- Tier 1
- Tier 2
- Tier 3
- Tier 4

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WAIVER OF DEDICATION OR IMPROVEMENT

- Public Work Approval (PWA)
- Waiver of Dedication or Improvement (WDI)

OTHER SYMBOLS

- Lot Line
- Tract Line
- Lot Cut
- Easement
- Zone Boundary
- Building Line
- Lot Split
- Community Driveway
- Building Outlines 2014
- Building Outlines 2008
- Airport Hazard Zone
- Census Tract
- Coastal Zone
- Council District
- LADBS District Office
- Downtown Parking
- Fault Zone
- Fire District No. 1
- Tract Map
- Parcel Map
- Flood Zone
- Hazardous Waste
- High Wind Zone
- Hillside Grading
- Historic Preservation Overlay Zone
- Specific Plan Area
- Very High Fire Hazard Severity Zone
- Wells

City of Los Angeles
Department of City Planning

10/21/2021
PARCEL PROFILE REPORT

PROPERTY ADDRESSES
676 E 49TH ST

ZIP CODES
90011

RECENT ACTIVITY
None

CASE NUMBERS
CPC-2010-2772-CRA
CPC-2008-1553-CPU
CPC-1996-398
CPC-1990-346-CA
CPC-1983-506
ORD-174172-SA670
ORD-171682
ORD-171681
ORD-162128
ENV-2013-3392-CE
ENV-2008-1780-EIR

Address/Legal Information	
PIN Number	111A207 179
Lot/Parcel Area (Calculated)	8,250.3 (sq ft)
Thomas Brothers Grid	PAGE 674 - GRID D4
Assessor Parcel No. (APN)	5108011909
Tract	MC KINLEY PLACE
Map Reference	M B 5-19
Block	C
Lot	29
Arb (Lot Cut Reference)	None
Map Sheet	111A207
Jurisdictional Information	
Community Plan Area	Southeast Los Angeles
Area Planning Commission	South Los Angeles
Neighborhood Council	Zapata-King
Council District	CD 9 - Curren D. Price, Jr.
Census Tract #	2292.00
LADBS District Office	Los Angeles Metro
Planning and Zoning Information	
Special Notes	None
Zoning	PF-1
Zoning Information (ZI)	ZI-2374 State Enterprise Zone: Los Angeles
	ZI-1231 Specific Plan: South Los Angeles Alcohol Sales
	ZI-2452 Transit Priority Area in the City of Los Angeles
General Plan Land Use	Public Facilities
General Plan Note(s)	Yes
Hillside Area (Zoning Code)	No
Specific Plan Area	SOUTH LOS ANGELES ALCOHOL SALES
Subarea	None
Special Land Use / Zoning	None
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
CDO: Community Design Overlay	None
CPIO: Community Plan Imp. Overlay	None
Subarea	None
CUGU: Clean Up-Green Up	None
HCR: Hillside Construction Regulation	No
NSO: Neighborhood Stabilization Overlay	No
POD: Pedestrian Oriented Districts	None
RFA: Residential Floor Area District	None
RIO: River Implementation Overlay	No
SN: Sign District	No
Streetscape	No
Adaptive Reuse Incentive Area	None

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Affordable Housing Linkage Fee	
Residential Market Area	Low
Non-Residential Market Area	Exempt (Prior to 2/17/21)
Transit Oriented Communities (TOC)	Tier 1
RPA: Redevelopment Project Area	None
Central City Parking	No
Downtown Parking	No
Building Line	None
500 Ft School Zone	Active: 49th Street Elementary School
500 Ft Park Zone	Active: 49th Street Park
Assessor Information	
Assessor Parcel No. (APN)	5108011909
APN Area (Co. Public Works)*	5.160 (ac)
Use Code	8800 - Miscellaneous - Government Owned Property
Assessed Land Val.	$366,337
Assessed Improvement Val.	$0
Last Owner Change	12/27/1967
Last Sale Amount	$0
Tax Rate Area	7
Deed Ref No. (City Clerk)	9-362
	8-638
	7-960
Building 1	No data for building 1
Building 2	No data for building 2
Building 3	No data for building 3
Building 4	No data for building 4
Building 5	No data for building 5
Rent Stabilization Ordinance (RSO)	No [APN: 5108011909]
Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
Urban Agriculture Incentive Zone	YES
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	Outside Flood Zone
Watercourse	No
Hazardous Waste / Border Zone Properties	No
Methane Hazard Site	None
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	No
Wells	None
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	2.66306808
Nearest Fault (Name)	Puente Hills Blind Thrust
Region	Los Angeles Blind Thrusts
Fault Type	B
Slip Rate (mm/year)	0.70000000
Slip Geometry	Reverse
Slip Type	Moderately / Poorly Constrained
Down Dip Width (km)	19.00000000
Rupture Top	5.00000000
Rupture Bottom	13.00000000

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Dip Angle (degrees)	25.00000000
Maximum Magnitude	7.10000000
Alquist-Priolo Fault Zone	No
Landslide	No
Liquefaction	No
Preliminary Fault Rupture Study Area	No
Tsunami Inundation Zone	No
Economic Development Areas	
Business Improvement District	None
Hubzone	Qualified
Opportunity Zone	No
Promise Zone	South Los Angeles Transit Empowerment Zone
State Enterprise Zone	LOS ANGELES STATE ENTERPRISE ZONE
Housing	
Direct all Inquiries to	Housing+Community Investment Department
Telephone	(866) 557-7368
Website	http://hcidla.lacity.org
Rent Stabilization Ordinance (RSO)	No [APN: 5108011909]
Ellis Act Property	No
AB 1482: Tenant Protection Act	No
Public Safety	
Police Information	
Bureau	Central
Division / Station	Newton
Reporting District	1363
Fire Information	
Bureau	South
Batallion	13
District / Fire Station	21
Red Flag Restricted Parking	No

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CASE SUMMARIES

Note: Information for case summaries is retrieved from the Planning Department's Plan Case Tracking System (PCTS) database.

Case Number:	CPC-2010-2772-CRA
Required Action(s):	CRA-COMMUNITY REDEVELOPMENT AGENCY
Project Descriptions(s):	CD9 CORRIDORS REDEVELOPMENT PLAN. A PRELIMINARY PLAN FOR A PROPOSED AMENDMENT TO THE CD9 CORRIDORS REDEVELOPMENT PLAN.
Case Number:	CPC-2008-1553-CPU
Required Action(s):	CPU-COMMUNITY PLAN UPDATE
Project Descriptions(s):	SOUTHEAST LOS ANGELES COMMUNITY PLAN UPDATE
Case Number:	CPC-1996-398
Required Action(s):	Data Not Available
Project Descriptions(s):	
Case Number:	CPC-1990-346-CA
Required Action(s):	CA-CODE AMENDMENT
Project Descriptions(s):	AMENDMENT TO THE L.A.M.C. TO - DRAFT AN ORDINANCE TO PROHIBIT THE GRANTING OF A CONDITIONAL USE PERMIT FOR THE OFF-SITE SALE OF ALCOHOLIC BEVERAGES (LOURDES GREEN/KAREN HOO)\
Case Number:	CPC-1983-506
Required Action(s):	Data Not Available
Project Descriptions(s):	SPECIFIC PLN ORD FOR INTERIM CONDITIONAL USE APPRVL FOR ESTABLISHMENTS FOR THE SALE OF ALCOHOL WHICH ARE GENERALLY LOCATED INTHE SOUTH CENTRAL AREA OF THE CITY
Case Number:	ENV-2013-3392-CE
Required Action(s):	CE-CATEGORICAL EXEMPTION
Project Descriptions(s):	THE PROPOSED ORDINANCE MODIFIES SECTION 22.119 OF THE LOS ANGELES ADMINISTRATIVE CODE TO ALLOW ORIGINAL ART MURALS ON LOTS DEVELOPED WITH ONLY ONE SINGLE-FAMILY RESIDENTIAL STRUCTURE AND THAT ARE LOCATED WITHIN COUNCIL DISTRICTS 1, 9, AND 14.
Case Number:	ENV-2008-1780-EIR
Required Action(s):	EIR-ENVIRONMENTAL IMPACT REPORT
Project Descriptions(s):	SOUTHEAST LOS ANGELES COMMUNITY PLAN UPDATE

DATA NOT AVAILABLE

ORD-174172-SA670

ORD-171682

ORD-171681

ORD-162128

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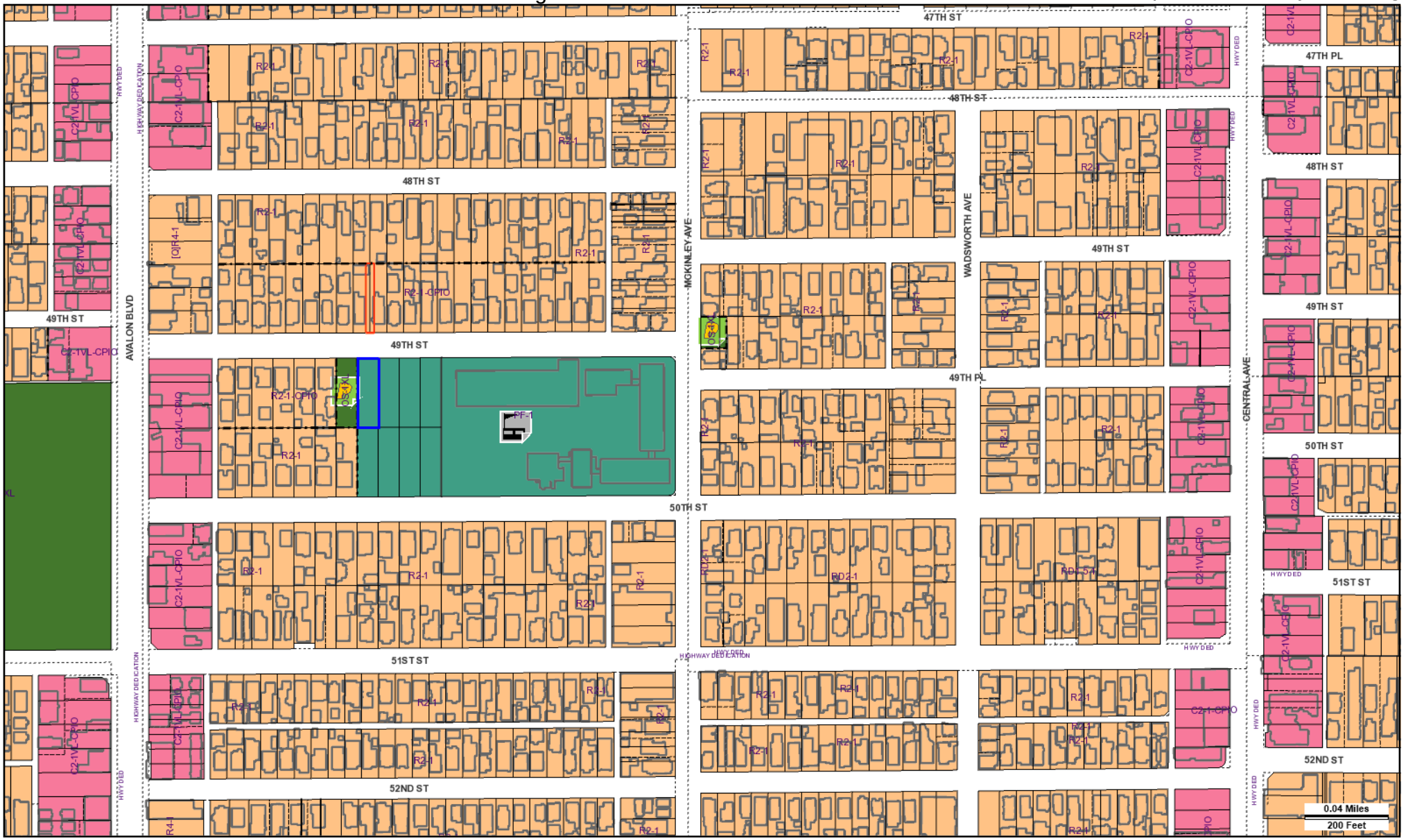
ZIMAS PUBLIC

Generalized Zoning

10/21/2021

City of Los Angeles
Department of City Planning



Address: 676 E 49TH ST
APN: 5108011909
PIN #: 111A207 179

Tract: MC KINLEY PLACE
Block: C
Lot: 29
Arb: None

Zoning: PF-1
General Plan: Public Facilities

N
W E
S

CITY OF LOS ANGELES FOUNDED 1781

LEGEND

GENERALIZED ZONING

- OS, GW
- A, RA
- RE, RS, R1, RU, RZ, RW1
- R2, RD, RMP, RW2, R3, RAS, R4, R5, PVSP
- CR, C1, C1.5, C2, C4, C5, CW, WC, ADP, LASED, CEC, USC, PPSP, MU, NMU
- CM, MR, CCS, UV, UI, UC, M1, M2, LAX, M3, SL, HJ, HR, NI
- P, PB
- PF

GENERAL PLAN LAND USE

LAND USE

RESIDENTIAL

- Minimum Residential
- Very Low / Very Low I Residential
- Very Low II Residential
- Low / Low I Residential
- Low II Residential
- Low Medium / Low Medium I Residential
- Low Medium II Residential
- Medium Residential
- High Medium Residential
- High Density Residential
- Very High Medium Residential

COMMERCIAL

- Limited Commercial
- Limited Commercial - Mixed Medium Residential
- Highway Oriented Commercial
- Highway Oriented and Limited Commercial
- Highway Oriented Commercial - Mixed Medium Residential
- Neighborhood Office Commercial
- Community Commercial
- Community Commercial -Mixed High Residential
- Regional Center Commercial

INDUSTRIAL

- Commercial Manufacturing
- Limited Manufacturing
- Light Manufacturing
- Heavy Manufacturing
- Hybrid Industrial

PARKING

- Parking Buffer

PORT OF LOS ANGELES

- General / Bulk Cargo - Non Hazardous (Industrial / Commercial)
- General / Bulk Cargo - Hazard
- Commercial Fishing
- Recreation and Commercial
- Intermodal Container Transfer Facility Site

LOS ANGELES INTERNATIONAL AIRPORT

- Airport Landside / Airport Landside Support
- Airport Airside
- LAX Airport Northside

OPEN SPACE / PUBLIC FACILITIES

- Open Space
- Public / Open Space
- Public / Quasi-Public Open Space
- Other Public Open Space
- Public Facilities

FRAMEWORK

COMMERCIAL

- Neighborhood Commercial
- General Commercial
- Community Commercial
- Regional Mixed Commercial

INDUSTRIAL

- Limited Industrial
- Light Industrial

CIRCULATION

STREET

- Arterial Mountain Road
- Collector Scenic Street
- Collector Street
- Collector Street (Hillside)
- Collector Street (Modified)
- Collector Street (Proposed)
- Country Road
- Divided Major Highway II
- Divided Secondary Scenic Highway
- Local Scenic Road
- Local Street
- Major Highway (Modified)
- Major Highway I
- Major Highway II
- Major Highway II (Modified)
- Major Scenic Highway
- Major Scenic Highway (Modified)
- Major Scenic Highway II
- Mountain Collector Street
- Park Road
- Parkway
- Principal Major Highway
- Private Street
- Scenic Divided Major Highway II
- Scenic Park
- Scenic Parkway
- Secondary Highway
- Secondary Highway (Modified)
- Secondary Scenic Highway
- Special Collector Street
- Super Major Highway

FREEWAYS

- Freeway
- Interchange
- On-Ramp / Off- Ramp
- Railroad
- Scenic Freeway Highway

MISC. LINES

- Airport Boundary
- Bus Line
- Coastal Zone Boundary
- Coastline Boundary
- Collector Scenic Street (Proposed)
- Commercial Areas
- Commercial Center
- Community Redevelopment Project Area
- Country Road
- DWP Power Lines
- Desirable Open Space
- Detached Single Family House
- Endangered Ridgeline
- Equestrian and/or Hiking Trail
- Hiking Trail
- Historical Preservation
- Horsekeeping Area
- Local Street
- MSA Desirable Open Space
- Major Scenic Controls
- Multi-Purpose Trail
- Natural Resource Reserve
- Park Road
- Park Road (Proposed)
- Quasi-Public
- Rapid Transit Line
- Residential Planned Development
- Scenic Highway (Obsolete)
- Secondary Scenic Controls
- Secondary Scenic Highway (Proposed)
- Site Boundary
- Southern California Edison Power
- Special Study Area
- Specific Plan Area
- Stagecoach Line
- Wildlife Corridor

POINTS OF INTEREST

- Alternative Youth Hostel (Proposed)
- Animal Shelter
- Area Library
- Area Library (Proposed)
- Bridge
- Campground
- Campground (Proposed)
- Cemetery
- HW Church
- City Hall
- Community Center
- Community Library
- Community Library (Proposed Expansion)
- Community Library (Proposed)
- Community Park
- Community Park (Proposed Expansion)
- Community Park (Proposed)
- Community Transit Center
- Convalescent Hospital
- Correctional Facility
- Cultural / Historic Site (Proposed)
- Cultural / Historical Site
- Cultural Arts Center
- DMV DMV Office
- DWP DWP
- DWP Pumping Station
- Equestrian Center
- HQ Fire Department Headquarters
- Fire Station
- Fire Station (Proposed Expansion)
- Fire Station (Proposed)
- Fire Supply & Maintenance
- Fire Training Site
- Fireboat Station
- Health Center / Medical Facility
- Helistop
- Historic Monument
- Historical / Cultural Monument
- Horsekeeping Area
- Horsekeeping Area (Proposed)
- Horticultural Center
- Hospital
- Hospital (Proposed)
- HW House of Worship
- e Important Ecological Area
- e Important Ecological Area (Proposed)
- Interpretive Center (Proposed)
- JC Junior College
- M MTA / Metrolink Station
- M MTA Station
- MTA Stop
- MWD MWD Headquarters
- Maintenance Yard
- Municipal Office Building
- P Municipal Parking lot
- Neighborhood Park
- Neighborhood Park (Proposed Expansion)
- Neighborhood Park (Proposed)
- Oil Collection Center
- P Parking Enforcement
- HQ Police Headquarters
- Police Station
- Police Station (Proposed Expansion)
- Police Station (Proposed)
- Police Training site
- PO Post Office
- Power Distribution Station
- Power Distribution Station (Proposed)
- Power Receiving Station
- Power Receiving Station (Proposed)
- C Private College
- E Private Elementary School
- Private Golf Course
- Private Golf Course (Proposed)
- JH Private Junior High School
- PS Private Pre-School
- Private Recreation & Cultural Facility
- SH Private Senior High School
- SF Private Special School
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- E Public Elementary School (Proposed)
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- Historic Preservation Overlay Zone
- Specific Plan Area
- Very High Fire Hazard Severity Zone
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City of Los Angeles
Department of City Planning

10/21/2021
PARCEL PROFILE REPORT

PROPERTY ADDRESSES
701 E 50TH ST

ZIP CODES
90011

RECENT ACTIVITY
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Tract	MC KINLEY PLACE
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Block	C
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Arb (Lot Cut Reference)	None
Map Sheet	111A207
Jurisdictional Information	
Community Plan Area	Southeast Los Angeles
Area Planning Commission	South Los Angeles
Neighborhood Council	Zapata-King
Council District	CD 9 - Curren D. Price, Jr.
Census Tract #	2292.00
LADBS District Office	Los Angeles Metro
Planning and Zoning Information	
Special Notes	None
Zoning	PF-1
Zoning Information (ZI)	ZI-2374 State Enterprise Zone: Los Angeles
	ZI-1231 Specific Plan: South Los Angeles Alcohol Sales
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General Plan Land Use	Public Facilities
General Plan Note(s)	Yes
Hillside Area (Zoning Code)	No
Specific Plan Area	SOUTH LOS ANGELES ALCOHOL SALES
Subarea	None
Special Land Use / Zoning	None
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
CDO: Community Design Overlay	None
CPIO: Community Plan Imp. Overlay	None
Subarea	None
CUGU: Clean Up-Green Up	None
HCR: Hillside Construction Regulation	No
NSO: Neighborhood Stabilization Overlay	No
POD: Pedestrian Oriented Districts	None
RFA: Residential Floor Area District	None
RIO: River Implementation Overlay	No
SN: Sign District	No
Streetscape	No
Adaptive Reuse Incentive Area	None

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Residential Market Area	Low
Non-Residential Market Area	Exempt (Prior to 2/17/21)
Transit Oriented Communities (TOC)	Tier 1
RPA: Redevelopment Project Area	None
Central City Parking	No
Downtown Parking	No
Building Line	None
500 Ft School Zone	Active: 49th Street Elementary School
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Assessor Parcel No. (APN)	5108011909
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Tax Rate Area	7
Deed Ref No. (City Clerk)	9-362
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Building 1	No data for building 1
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Building 4	No data for building 4
Building 5	No data for building 5
Rent Stabilization Ordinance (RSO)	No [APN: 5108011909]
Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
Urban Agriculture Incentive Zone	YES
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	Outside Flood Zone
Watercourse	No
Hazardous Waste / Border Zone Properties	No
Methane Hazard Site	None
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	No
Wells	None
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	2.67291312
Nearest Fault (Name)	Puente Hills Blind Thrust
Region	Los Angeles Blind Thrusts
Fault Type	B
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Slip Type	Moderately / Poorly Constrained
Down Dip Width (km)	19.00000000
Rupture Top	5.00000000
Rupture Bottom	13.00000000

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Dip Angle (degrees)	25.00000000
Maximum Magnitude	7.10000000
Alquist-Priolo Fault Zone	No
Landslide	No
Liquefaction	No
Preliminary Fault Rupture Study Area	No
Tsunami Inundation Zone	No
Economic Development Areas	
Business Improvement District	None
Hubzone	Qualified
Opportunity Zone	No
Promise Zone	South Los Angeles Transit Empowerment Zone
State Enterprise Zone	LOS ANGELES STATE ENTERPRISE ZONE
Housing	
Direct all Inquiries to	Housing+Community Investment Department
Telephone	(866) 557-7368
Website	http://hcidla.lacity.org
Rent Stabilization Ordinance (RSO)	No [APN: 5108011909]
Ellis Act Property	No
AB 1482: Tenant Protection Act	No
Public Safety	
Police Information	
Bureau	Central
Division / Station	Newton
Reporting District	1363
Fire Information	
Bureau	South
Batallion	13
District / Fire Station	21
Red Flag Restricted Parking	No

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CASE SUMMARIES

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Required Action(s):	CPU-COMMUNITY PLAN UPDATE
Project Descriptions(s):	SOUTHEAST LOS ANGELES COMMUNITY PLAN UPDATE
Case Number:	CPC-1996-398
Required Action(s):	Data Not Available
Project Descriptions(s):	
Case Number:	CPC-1990-346-CA
Required Action(s):	CA-CODE AMENDMENT
Project Descriptions(s):	AMENDMENT TO THE L.A.M.C. TO - DRAFT AN ORDINANCE TO PROHIBIT THE GRANTING OF A CONDITIONAL USE PERMIT FOR THE OFF-SITE SALE OF ALCOHOLIC BEVERAGES (LOURDES GREEN/KAREN HOO)\
Case Number:	CPC-1983-506
Required Action(s):	Data Not Available
Project Descriptions(s):	SPECIFIC PLN ORD FOR INTERIM CONDITIONAL USE APPRVL FOR ESTABLISHMENTS FOR THE SALE OF ALCOHOL WHICH ARE GENERALLY LOCATED INTHE SOUTH CENTRAL AREA OF THE CITY
Case Number:	ENV-2013-3392-CE
Required Action(s):	CE-CATEGORICAL EXEMPTION
Project Descriptions(s):	THE PROPOSED ORDINANCE MODIFIES SECTION 22.119 OF THE LOS ANGELES ADMINISTRATIVE CODE TO ALLOW ORIGINAL ART MURALS ON LOTS DEVELOPED WITH ONLY ONE SINGLE-FAMILY RESIDENTIAL STRUCTURE AND THAT ARE LOCATED WITHIN COUNCIL DISTRICTS 1, 9, AND 14.
Case Number:	ENV-2008-1780-EIR
Required Action(s):	EIR-ENVIRONMENTAL IMPACT REPORT
Project Descriptions(s):	SOUTHEAST LOS ANGELES COMMUNITY PLAN UPDATE

DATA NOT AVAILABLE

ORD-174172-SA670

ORD-171682

ORD-171681

ORD-162128

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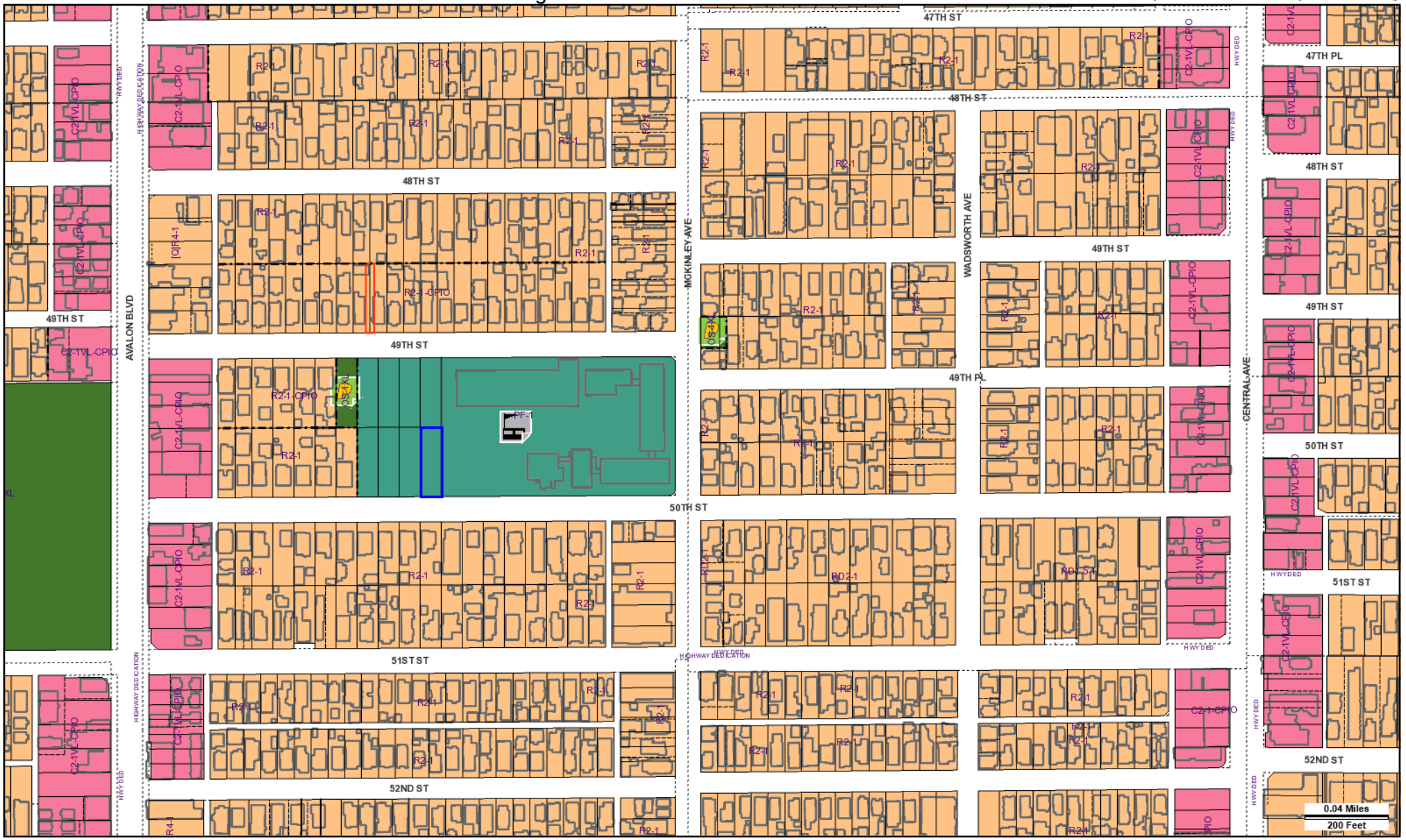
ZIMAS PUBLIC

Generalized Zoning

10/21/2021

City of Los Angeles
Department of City Planning



Address: 701 E 50TH ST
APN: 5108011909
PIN #: 111A207 192

Tract: MC KINLEY PLACE
Block: C
Lot: 24
Arb: None

Zoning: PF-1
General Plan: Public Facilities

N
W E
S

LEGEND

GENERALIZED ZONING

- OS, GW
- A, RA
- RE, RS, R1, RU, RZ, RW1
- R2, RD, RMP, RW2, R3, RAS, R4, R5, PVSP
- CR, C1, C1.5, C2, C4, C5, CW, WC, ADP, LASED, CEC, USC, PPSP, MU, NMU
- CM, MR, CCS, UV, UI, UC, M1, M2, LAX, M3, SL, HJ, HR, NI
- P, PB
- PF

GENERAL PLAN LAND USE

LAND USE

RESIDENTIAL

- Minimum Residential
- Very Low / Very Low I Residential
- Very Low II Residential
- Low / Low I Residential
- Low II Residential
- Low Medium / Low Medium I Residential
- Low Medium II Residential
- Medium Residential
- High Medium Residential
- High Density Residential
- Very High Medium Residential

COMMERCIAL

- Limited Commercial
- Limited Commercial - Mixed Medium Residential
- Highway Oriented Commercial
- Highway Oriented and Limited Commercial
- Highway Oriented Commercial - Mixed Medium Residential
- Neighborhood Office Commercial
- Community Commercial
- Community Commercial -Mixed High Residential
- Regional Center Commercial

INDUSTRIAL

- Commercial Manufacturing
- Limited Manufacturing
- Light Manufacturing
- Heavy Manufacturing
- Hybrid Industrial

PARKING

- Parking Buffer

PORT OF LOS ANGELES

- General / Bulk Cargo - Non Hazardous (Industrial / Commercial)
- General / Bulk Cargo - Hazard
- Commercial Fishing
- Recreation and Commercial
- Intermodal Container Transfer Facility Site

LOS ANGELES INTERNATIONAL AIRPORT

- Airport Landside / Airport Landside Support
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- LAX Airport Northside

OPEN SPACE / PUBLIC FACILITIES

- Open Space
- Public / Open Space
- Public / Quasi-Public Open Space
- Other Public Open Space
- Public Facilities

FRAMEWORK

COMMERCIAL

- Neighborhood Commercial
- General Commercial
- Community Commercial
- Regional Mixed Commercial

INDUSTRIAL

- Limited Industrial
- Light Industrial

CIRCULATION

STREET

- Arterial Mountain Road
- Collector Scenic Street
- Collector Street
- Collector Street (Hillside)
- Collector Street (Modified)
- Collector Street (Proposed)
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- On-Ramp / Off- Ramp
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- Animal Shelter
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- Area Library (Proposed)
- Bridge
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- UTL Utility Yard
- Water Tank Reservoir
- Wildlife Migration Corridor
- Wildlife Preserve Gate

SCHOOLS/PARKS WITH 500 FT. BUFFER

- Existing School/Park Site
- Planned School/Park Site
- Inside 500 Ft. Buffer

- Aquatic Facilities
- Beaches
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- Dog Parks
- Golf Course
- Historic Sites
- Horticulture/Gardens
- Skate Parks
- Other Facilities
- Park / Recreation Centers
- Parks
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- Recreation Centers
- Senior Citizen Centers
- Opportunity School
- Charter School
- Elementary School
- Span School
- Special Education School
- High School
- Middle School
- Early Education Center

COASTAL ZONE

- Coastal Commission Permit Area
- Dual Permit Jurisdiction Area
- Single Permit Jurisdiction Area
- Not in Coastal Zone

TRANSIT ORIENTED COMMUNITIES (TOC)

- Tier 1
- Tier 2
- Tier 3
- Tier 4

Note: TOC Tier designation and map layers are for reference purposes only. Eligible projects shall demonstrate compliance with Tier eligibility standards prior to the issuance of any permits or approvals. As transit service changes, eligible TOC Incentive Areas will be updated.

WAIVER OF DEDICATION OR IMPROVEMENT

- Public Work Approval (PWA)
- Waiver of Dedication or Improvement (WDI)

OTHER SYMBOLS

- Lot Line
- Tract Line
- Lot Cut
- Easement
- Zone Boundary
- Building Line
- Lot Split
- Community Driveway
- Building Outlines 2014
- Building Outlines 2008
- Airport Hazard Zone
- Census Tract
- Coastal Zone
- Council District
- LADBS District Office
- Downtown Parking
- Fault Zone
- Fire District No. 1
- Tract Map
- Parcel Map
- Flood Zone
- Hazardous Waste
- High Wind Zone
- Hillside Grading
- Historic Preservation Overlay Zone
- Specific Plan Area
- Very High Fire Hazard Severity Zone
- Wells

City of Los Angeles
Department of City Planning

10/21/2021
PARCEL PROFILE REPORT

PROPERTY ADDRESSES
693 E 50TH ST
695 E 50TH ST

ZIP CODES
90011

RECENT ACTIVITY
None

CASE NUMBERS
CPC-2010-2772-CRA
CPC-2008-1553-CPU
CPC-1996-398
CPC-1990-346-CA
CPC-1983-506
ORD-174172-SA670
ORD-171682
ORD-171681
ORD-162128
ENV-2013-3392-CE
ENV-2008-1780-EIR

Address/Legal Information	
PIN Number	111A207 193
Lot/Parcel Area (Calculated)	8,257.0 (sq ft)
Thomas Brothers Grid	PAGE 674 - GRID D4
	PAGE 674 - GRID E4
Assessor Parcel No. (APN)	5108011909
Tract	MC KINLEY PLACE
Map Reference	M B 5-19
Block	C
Lot	26
Arb (Lot Cut Reference)	None
Map Sheet	111A207
Jurisdictional Information	
Community Plan Area	Southeast Los Angeles
Area Planning Commission	South Los Angeles
Neighborhood Council	Zapata-King
Council District	CD 9 - Curren D. Price, Jr.
Census Tract #	2292.00
LADBS District Office	Los Angeles Metro
Planning and Zoning Information	
Special Notes	None
Zoning	PF-1
Zoning Information (ZI)	ZI-2374 State Enterprise Zone: Los Angeles
	ZI-1231 Specific Plan: South Los Angeles Alcohol Sales
	ZI-2452 Transit Priority Area in the City of Los Angeles
General Plan Land Use	Public Facilities
General Plan Note(s)	Yes
Hillside Area (Zoning Code)	No
Specific Plan Area	SOUTH LOS ANGELES ALCOHOL SALES
Subarea	None
Special Land Use / Zoning	None
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
CDO: Community Design Overlay	None
CPIO: Community Plan Imp. Overlay	None
Subarea	None
CUGU: Clean Up-Green Up	None
HCR: Hillside Construction Regulation	No
NSO: Neighborhood Stabilization Overlay	No
POD: Pedestrian Oriented Districts	None
RFA: Residential Floor Area District	None
RIO: River Implementation Overlay	No
SN: Sign District	No
Streetscape	No

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Adaptive Reuse Incentive Area	None
Affordable Housing Linkage Fee	
Residential Market Area	Low
Non-Residential Market Area	Exempt (Prior to 2/17/21)
Transit Oriented Communities (TOC)	Tier 1
RPA: Redevelopment Project Area	None
Central City Parking	No
Downtown Parking	No
Building Line	None
500 Ft School Zone	Active: 49th Street Elementary School
500 Ft Park Zone	Active: 49th Street Park
Assessor Information	
Assessor Parcel No. (APN)	5108011909
APN Area (Co. Public Works)*	5.160 (ac)
Use Code	8800 - Miscellaneous - Government Owned Property
Assessed Land Val.	$366,337
Assessed Improvement Val.	$0
Last Owner Change	12/27/1967
Last Sale Amount	$0
Tax Rate Area	7
Deed Ref No. (City Clerk)	9-362
	8-638
	7-960
Building 1	No data for building 1
Building 2	No data for building 2
Building 3	No data for building 3
Building 4	No data for building 4
Building 5	No data for building 5
Rent Stabilization Ordinance (RSO)	No [APN: 5108011909]
Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
Urban Agriculture Incentive Zone	YES
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	Outside Flood Zone
Watercourse	No
Hazardous Waste / Border Zone Properties	No
Methane Hazard Site	None
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	No
Wells	None
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	2.68260576
Nearest Fault (Name)	Puente Hills Blind Thrust
Region	Los Angeles Blind Thrusts
Fault Type	B
Slip Rate (mm/year)	0.70000000
Slip Geometry	Reverse
Slip Type	Moderately / Poorly Constrained
Down Dip Width (km)	19.00000000
Rupture Top	5.00000000

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Rupture Bottom	13.00000000
Dip Angle (degrees)	25.00000000
Maximum Magnitude	7.10000000
Alquist-Priolo Fault Zone	No
Landslide	No
Liquefaction	No
Preliminary Fault Rupture Study Area	No
Tsunami Inundation Zone	No
Economic Development Areas	
Business Improvement District	None
Hubzone	Qualified
Opportunity Zone	No
Promise Zone	South Los Angeles Transit Empowerment Zone
State Enterprise Zone	LOS ANGELES STATE ENTERPRISE ZONE
Housing	
Direct all Inquiries to	Housing+Community Investment Department
Telephone	(866) 557-7368
Website	http://hcidla.lacity.org
Rent Stabilization Ordinance (RSO)	No [APN: 5108011909]
Ellis Act Property	No
AB 1482: Tenant Protection Act	No
Public Safety	
Police Information	
Bureau	Central
Division / Station	Newton
Reporting District	1363
Fire Information	
Bureau	South
Batallion	13
District / Fire Station	21
Red Flag Restricted Parking	No

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CASE SUMMARIES

Note: Information for case summaries is retrieved from the Planning Department's Plan Case Tracking System (PCTS) database.

Case Number:	CPC-2010-2772-CRA
Required Action(s):	CRA-COMMUNITY REDEVELOPMENT AGENCY
Project Descriptions(s):	CD9 CORRIDORS REDEVELOPMENT PLAN. A PRELIMINARY PLAN FOR A PROPOSED AMENDMENT TO THE CD9 CORRIDORS REDEVELOPMENT PLAN.
Case Number:	CPC-2008-1553-CPU
Required Action(s):	CPU-COMMUNITY PLAN UPDATE
Project Descriptions(s):	SOUTHEAST LOS ANGELES COMMUNITY PLAN UPDATE
Case Number:	CPC-1996-398
Required Action(s):	Data Not Available
Project Descriptions(s):	
Case Number:	CPC-1990-346-CA
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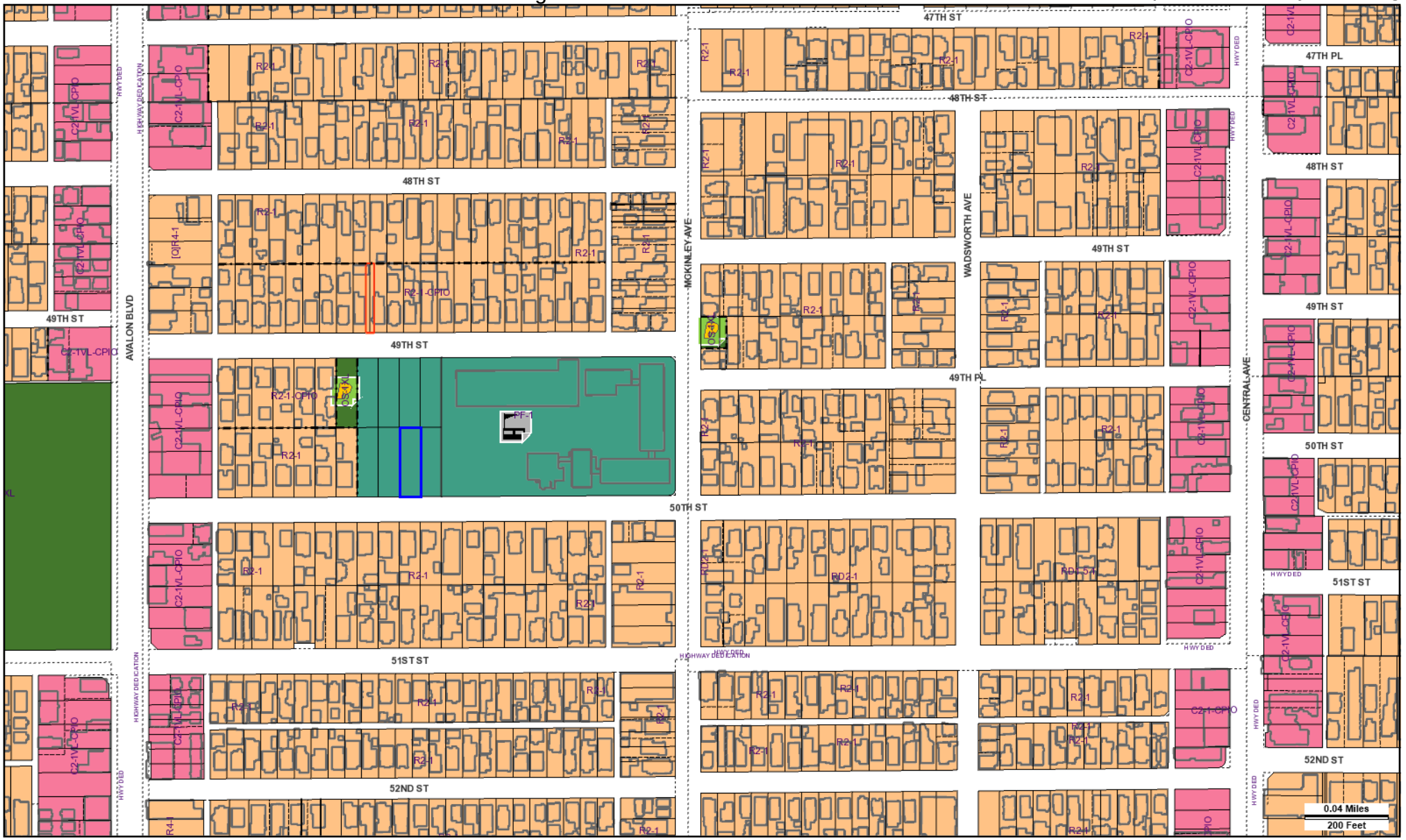

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APN: 5108011909
PIN #: 111A207 193

Tract: MC KINLEY PLACE
Block: C
Lot: 26
Arb: None

Zoning: PF-1
General Plan: Public Facilities

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- Opportunity School
- Charter School
- Elementary School
- Span School
- Special Education School
- High School
- Middle School
- Early Education Center

COASTAL ZONE

- Coastal Commission Permit Area
- Dual Permit Jurisdiction Area
- Single Permit Jurisdiction Area
- Not in Coastal Zone

TRANSIT ORIENTED COMMUNITIES (TOC)

- Tier 1
- Tier 2
- Tier 3
- Tier 4

Note: TOC Tier designation and map layers are for reference purposes only. Eligible projects shall demonstrate compliance with Tier eligibility standards prior to the issuance of any permits or approvals. As transit service changes, eligible TOC Incentive Areas will be updated.

WAIVER OF DEDICATION OR IMPROVEMENT

- Public Work Approval (PWA)
- Waiver of Dedication or Improvement (WDI)

OTHER SYMBOLS

- Lot Line
- Tract Line
- Lot Cut
- Easement
- Zone Boundary
- Building Line
- Lot Split
- Community Driveway
- Building Outlines 2014
- Building Outlines 2008
- Airport Hazard Zone
- Census Tract
- Coastal Zone
- Council District
- LADBS District Office
- Downtown Parking
- Fault Zone
- Fire District No. 1
- Tract Map
- Parcel Map
- Flood Zone
- Hazardous Waste
- High Wind Zone
- Hillside Grading
- Historic Preservation Overlay Zone
- Specific Plan Area
- Very High Fire Hazard Severity Zone
- Wells

City of Los Angeles
Department of City Planning

10/21/2021
PARCEL PROFILE REPORT

PROPERTY ADDRESSES
685 E 50TH ST
689 E 50TH ST
687 E 50TH ST

ZIP CODES
90011

RECENT ACTIVITY
None

CASE NUMBERS
CPC-2010-2772-CRA
CPC-2008-1553-CPU
CPC-1996-398
CPC-1990-346-CA
CPC-1983-506
ORD-174172-SA670
ORD-171682
ORD-171681
ORD-162128
ENV-2013-3392-CE
ENV-2008-1780-EIR

Address/Legal Information	
PIN Number	111A207 194
Lot/Parcel Area (Calculated)	8,257.7 (sq ft)
Thomas Brothers Grid	PAGE 674 - GRID D4
Assessor Parcel No. (APN)	5108011909
Tract	MC KINLEY PLACE
Map Reference	M B 5-19
Block	C
Lot	28
Arb (Lot Cut Reference)	None
Map Sheet	111A207
Jurisdictional Information	
Community Plan Area	Southeast Los Angeles
Area Planning Commission	South Los Angeles
Neighborhood Council	Zapata-King
Council District	CD 9 - Curren D. Price, Jr.
Census Tract #	2292.00
LADBS District Office	Los Angeles Metro
Planning and Zoning Information	
Special Notes	None
Zoning	PF-1
Zoning Information (ZI)	ZI-2374 State Enterprise Zone: Los Angeles
	ZI-1231 Specific Plan: South Los Angeles Alcohol Sales
	ZI-2452 Transit Priority Area in the City of Los Angeles
General Plan Land Use	Public Facilities
General Plan Note(s)	Yes
Hillside Area (Zoning Code)	No
Specific Plan Area	SOUTH LOS ANGELES ALCOHOL SALES
Subarea	None
Special Land Use / Zoning	None
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
CDO: Community Design Overlay	None
CPIO: Community Plan Imp. Overlay	None
Subarea	None
CUGU: Clean Up-Green Up	None
HCR: Hillside Construction Regulation	No
NSO: Neighborhood Stabilization Overlay	No
POD: Pedestrian Oriented Districts	None
RFA: Residential Floor Area District	None
RIO: River Implementation Overlay	No
SN: Sign District	No
Streetscape	No
Adaptive Reuse Incentive Area	None

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Affordable Housing Linkage Fee	
Residential Market Area	Low
Non-Residential Market Area	Exempt (Prior to 2/17/21)
Transit Oriented Communities (TOC)	Tier 1
RPA: Redevelopment Project Area	None
Central City Parking	No
Downtown Parking	No
Building Line	None
500 Ft School Zone	Active: 49th Street Elementary School
500 Ft Park Zone	Active: 49th Street Park
Assessor Information	
Assessor Parcel No. (APN)	5108011909
APN Area (Co. Public Works)*	5.160 (ac)
Use Code	8800 - Miscellaneous - Government Owned Property
Assessed Land Val.	$366,337
Assessed Improvement Val.	$0
Last Owner Change	12/27/1967
Last Sale Amount	$0
Tax Rate Area	7
Deed Ref No. (City Clerk)	9-362
	8-638
	7-960
Building 1	No data for building 1
Building 2	No data for building 2
Building 3	No data for building 3
Building 4	No data for building 4
Building 5	No data for building 5
Rent Stabilization Ordinance (RSO)	No [APN: 5108011909]
Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
Urban Agriculture Incentive Zone	YES
Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	Outside Flood Zone
Watercourse	No
Hazardous Waste / Border Zone Properties	No
Methane Hazard Site	None
High Wind Velocity Areas	No
Special Grading Area (BOE Basic Grid Map A-13372)	No
Wells	None
Seismic Hazards	
Active Fault Near-Source Zone	
Nearest Fault (Distance in km)	2.69232888
Nearest Fault (Name)	Puente Hills Blind Thrust
Region	Los Angeles Blind Thrusts
Fault Type	B
Slip Rate (mm/year)	0.70000000
Slip Geometry	Reverse
Slip Type	Moderately / Poorly Constrained
Down Dip Width (km)	19.00000000
Rupture Top	5.00000000
Rupture Bottom	13.00000000

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Dip Angle (degrees)	25.00000000
Maximum Magnitude	7.10000000
Alquist-Priolo Fault Zone	No
Landslide	No
Liquefaction	No
Preliminary Fault Rupture Study Area	No
Tsunami Inundation Zone	No
Economic Development Areas	
Business Improvement District	None
Hubzone	Qualified
Opportunity Zone	No
Promise Zone	South Los Angeles Transit Empowerment Zone
State Enterprise Zone	LOS ANGELES STATE ENTERPRISE ZONE
Housing	
Direct all Inquiries to	Housing+Community Investment Department
Telephone	(866) 557-7368
Website	http://hcidla.lacity.org
Rent Stabilization Ordinance (RSO)	No [APN: 5108011909]
Ellis Act Property	No
AB 1482: Tenant Protection Act	No
Public Safety	
Police Information	
Bureau	Central
Division / Station	Newton
Reporting District	1363
Fire Information	
Bureau	South
Batallion	13
District / Fire Station	21
Red Flag Restricted Parking	No

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CASE SUMMARIES

Note: Information for case summaries is retrieved from the Planning Department's Plan Case Tracking System (PCTS) database.

Case Number:	CPC-2010-2772-CRA
Required Action(s):	CRA-COMMUNITY REDEVELOPMENT AGENCY
Project Descriptions(s):	CD9 CORRIDORS REDEVELOPMENT PLAN. A PRELIMINARY PLAN FOR A PROPOSED AMENDMENT TO THE CD9 CORRIDORS REDEVELOPMENT PLAN.
Case Number:	CPC-2008-1553-CPU
Required Action(s):	CPU-COMMUNITY PLAN UPDATE
Project Descriptions(s):	SOUTHEAST LOS ANGELES COMMUNITY PLAN UPDATE
Case Number:	CPC-1996-398
Required Action(s):	Data Not Available
Project Descriptions(s):	
Case Number:	CPC-1990-346-CA
Required Action(s):	CA-CODE AMENDMENT
Project Descriptions(s):	AMENDMENT TO THE L.A.M.C. TO - DRAFT AN ORDINANCE TO PROHIBIT THE GRANTING OF A CONDITIONAL USE PERMIT FOR THE OFF-SITE SALE OF ALCOHOLIC BEVERAGES (LOURDES GREEN/KAREN HOO)\
Case Number:	CPC-1983-506
Required Action(s):	Data Not Available
Project Descriptions(s):	SPECIFIC PLN ORD FOR INTERIM CONDITIONAL USE APPRVL FOR ESTABLISHMENTS FOR THE SALE OF ALCOHOL WHICH ARE GENERALLY LOCATED INTHE SOUTH CENTRAL AREA OF THE CITY
Case Number:	ENV-2013-3392-CE
Required Action(s):	CE-CATEGORICAL EXEMPTION
Project Descriptions(s):	THE PROPOSED ORDINANCE MODIFIES SECTION 22.119 OF THE LOS ANGELES ADMINISTRATIVE CODE TO ALLOW ORIGINAL ART MURALS ON LOTS DEVELOPED WITH ONLY ONE SINGLE-FAMILY RESIDENTIAL STRUCTURE AND THAT ARE LOCATED WITHIN COUNCIL DISTRICTS 1, 9, AND 14.
Case Number:	ENV-2008-1780-EIR
Required Action(s):	EIR-ENVIRONMENTAL IMPACT REPORT
Project Descriptions(s):	SOUTHEAST LOS ANGELES COMMUNITY PLAN UPDATE

DATA NOT AVAILABLE

ORD-174172-SA670

ORD-171682

ORD-171681

ORD-162128

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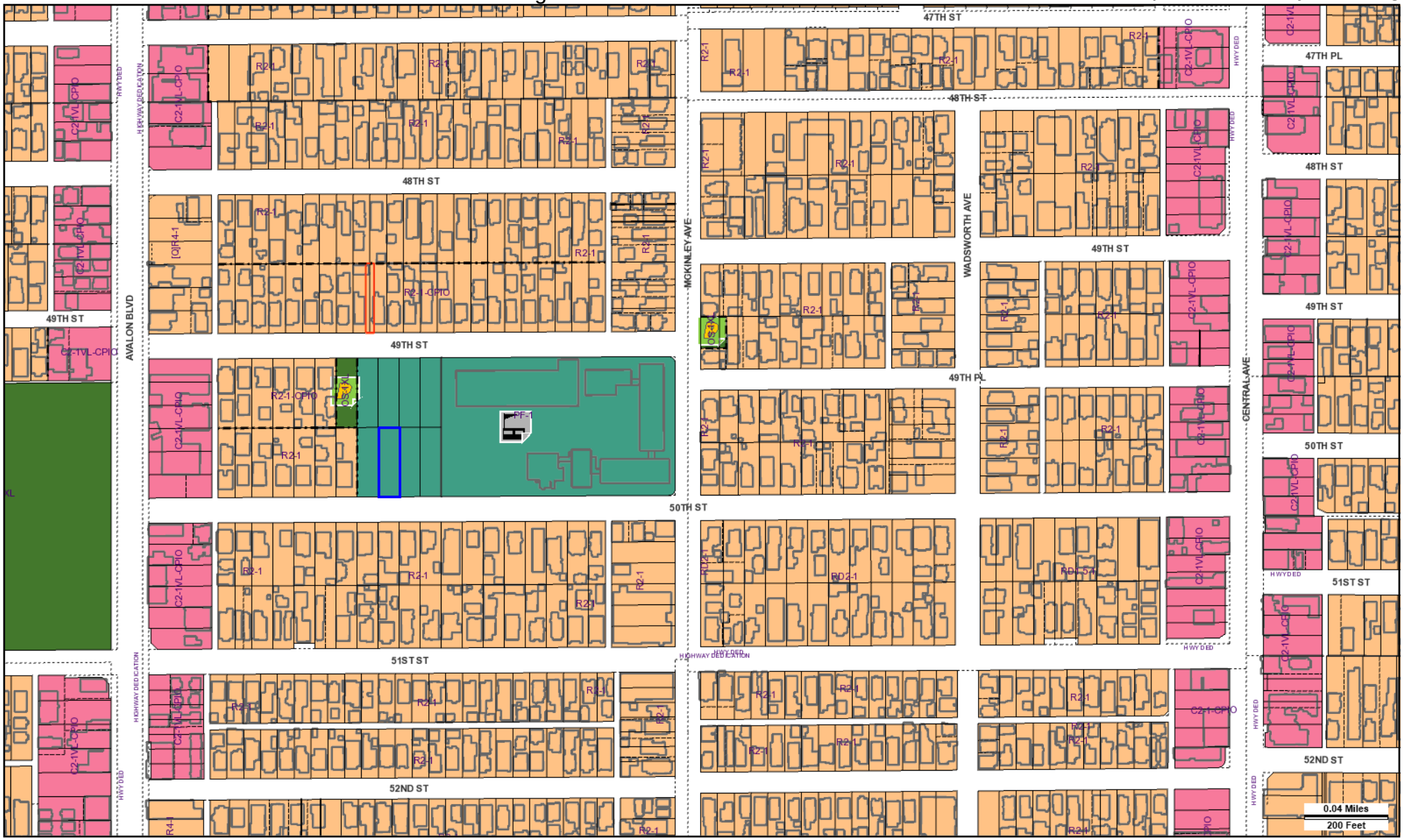
ZIMAS PUBLIC

Generalized Zoning

10/21/2021

City of Los Angeles
Department of City Planning



Address: 685 E 50TH ST
APN: 5108011909
PIN #: 111A207 194

Tract: MC KINLEY PLACE
Block: C
Lot: 28
Arb: None

Zoning: PF-1
General Plan: Public Facilities

LEGEND

GENERALIZED ZONING

- OS, GW
- A, RA
- RE, RS, R1, RU, RZ, RW1
- R2, RD, RMP, RW2, R3, RAS, R4, R5, PVSP
- CR, C1, C1.5, C2, C4, C5, CW, WC, ADP, LASED, CEC, USC, PPSP, MU, NMU
- CM, MR, CCS, UV, UI, UC, M1, M2, LAX, M3, SL, HJ, HR, NI
- P, PB
- PF

GENERAL PLAN LAND USE

LAND USE

RESIDENTIAL

- Minimum Residential
- Very Low / Very Low I Residential
- Very Low II Residential
- Low / Low I Residential
- Low II Residential
- Low Medium / Low Medium I Residential
- Low Medium II Residential
- Medium Residential
- High Medium Residential
- High Density Residential
- Very High Medium Residential

COMMERCIAL

- Limited Commercial
- Limited Commercial - Mixed Medium Residential
- Highway Oriented Commercial
- Highway Oriented and Limited Commercial
- Highway Oriented Commercial - Mixed Medium Residential
- Neighborhood Office Commercial
- Community Commercial
- Community Commercial -Mixed High Residential
- Regional Center Commercial

INDUSTRIAL

- Commercial Manufacturing
- Limited Manufacturing
- Light Manufacturing
- Heavy Manufacturing
- Hybrid Industrial

PARKING

- Parking Buffer

PORT OF LOS ANGELES

- General / Bulk Cargo - Non Hazardous (Industrial / Commercial)
- General / Bulk Cargo - Hazard
- Commercial Fishing
- Recreation and Commercial
- Intermodal Container Transfer Facility Site

LOS ANGELES INTERNATIONAL AIRPORT

- Airport Landside / Airport Landside Support
- Airport Airside
- LAX Airport Northside

OPEN SPACE / PUBLIC FACILITIES

- Open Space
- Public / Open Space
- Public / Quasi-Public Open Space
- Other Public Open Space
- Public Facilities

FRAMEWORK

COMMERCIAL

- Neighborhood Commercial
- General Commercial
- Community Commercial
- Regional Mixed Commercial

INDUSTRIAL

- Limited Industrial
- Light Industrial

CIRCULATION

STREET

- Arterial Mountain Road
- Collector Scenic Street
- Collector Street
- Collector Street (Hillside)
- Collector Street (Modified)
- Collector Street (Proposed)
- Country Road
- Divided Major Highway II
- Divided Secondary Scenic Highway
- Local Scenic Road
- Local Street
- Major Highway (Modified)
- Major Highway I
- Major Highway II
- Major Highway II (Modified)
- Major Scenic Highway
- Major Scenic Highway (Modified)
- Major Scenic Highway II
- Mountain Collector Street
- Park Road
- Parkway
- Principal Major Highway
- Private Street
- Scenic Divided Major Highway II
- Scenic Park
- Scenic Parkway
- Secondary Highway
- Secondary Highway (Modified)
- Secondary Scenic Highway
- Special Collector Street
- Super Major Highway

FREEWAYS

- Freeway
- Interchange
- On-Ramp / Off- Ramp
- Railroad
- Scenic Freeway Highway

MISC. LINES

- Airport Boundary
- Bus Line
- Coastal Zone Boundary
- Coastline Boundary
- Collector Scenic Street (Proposed)
- Commercial Areas
- Commercial Center
- Community Redevelopment Project Area
- Country Road
- DWP Power Lines
- Desirable Open Space
- Detached Single Family House
- Endangered Ridgeline
- Equestrian and/or Hiking Trail
- Hiking Trail
- Historical Preservation
- Horsekeeping Area
- Local Street
- MSA Desirable Open Space
- Major Scenic Controls
- Multi-Purpose Trail
- Natural Resource Reserve
- Park Road
- Park Road (Proposed)
- Quasi-Public
- Rapid Transit Line
- Residential Planned Development
- Scenic Highway (Obsolete)
- Secondary Scenic Controls
- Secondary Scenic Highway (Proposed)
- Site Boundary
- Southern California Edison Power
- Special Study Area
- Specific Plan Area
- Stagecoach Line
- Wildlife Corridor

POINTS OF INTEREST

- Alternative Youth Hostel (Proposed)
- Animal Shelter
- Area Library
- Area Library (Proposed)
- Bridge
- Campground
- Campground (Proposed)
- Cemetery
- HW Church
- City Hall
- Community Center
- Community Library
- Community Library (Proposed Expansion)
- Community Library (Proposed)
- Community Park
- Community Park (Proposed Expansion)
- Community Park (Proposed)
- Community Transit Center
- Convalescent Hospital
- Correctional Facility
- Cultural / Historic Site (Proposed)
- Cultural / Historical Site
- Cultural Arts Center
- DMV DMV Office
- DWP DWP
- DWP Pumping Station
- Equestrian Center
- HQ Fire Department Headquarters
- Fire Station
- Fire Station (Proposed Expansion)
- Fire Station (Proposed)
- Fire Supply & Maintenance
- Fire Training Site
- Fireboat Station
- Health Center / Medical Facility
- Helistop
- Historic Monument
- Historical / Cultural Monument
- Horsekeeping Area
- Horsekeeping Area (Proposed)
- Horticultural Center
- Hospital
- Hospital (Proposed)
- HW House of Worship
- e Important Ecological Area
- e Important Ecological Area (Proposed)
- Interpretive Center (Proposed)
- JC Junior College
- M MTA / Metrolink Station
- M MTA Station
- MTA Stop
- MWD MWD Headquarters
- Maintenance Yard
- Municipal Office Building
- P Municipal Parking lot
- Neighborhood Park
- Neighborhood Park (Proposed Expansion)
- Neighborhood Park (Proposed)
- Oil Collection Center
- P Parking Enforcement
- HQ Police Headquarters
- Police Station
- Police Station (Proposed Expansion)
- Police Station (Proposed)
- Police Training site
- PO Post Office
- Power Distribution Station
- Power Distribution Station (Proposed)
- Power Receiving Station
- Power Receiving Station (Proposed)
- C Private College
- E Private Elementary School
- Private Golf Course
- Private Golf Course (Proposed)
- JH Private Junior High School
- PS Private Pre-School
- Private Recreation & Cultural Facility
- SH Private Senior High School
- SF Private Special School
- E Public Elementary (Proposed Expansion)
- E Public Elementary School
- E Public Elementary School (Proposed)
- Public Golf Course
- Public Golf Course (Proposed)
- Public Housing
- Public Housing (Proposed Expansion)
- JH Public Junior High School
- JH Public Junior High School (Proposed)
- MS Public Middle School
- SH Public Senior High School
- SH Public Senior High School (Proposed)
- Pumping Station
- Pumping Station (Proposed)
- Refuse Collection Center
- Regional Library
- Regional Library (Proposed Expansion)
- Regional Library (Proposed)
- Regional Park
- Regional Park (Proposed)
- RPD Residential Plan Development
- Scenic View Site
- Scenic View Site (Proposed)
- ADM School District Headquarters
- SC School Unspecified Loc/Type (Proposed)
- Skill Center
- SS Social Services
- Special Feature
- Special Recreation (a)
- SF Special School Facility
- SF Special School Facility (Proposed)
- Steam Plant
- sm Surface Mining
- Trail & Assembly Area
- Trail & Assembly Area (Proposed)
- UTL Utility Yard
- Water Tank Reservoir
- Wildlife Migration Corridor
- Wildlife Preserve Gate

SCHOOLS/PARKS WITH 500 FT. BUFFER

- Existing School/Park Site
- Planned School/Park Site
- Inside 500 Ft. Buffer

- Aquatic Facilities
- Beaches
- Child Care Centers
- Dog Parks
- Golf Course
- Historic Sites
- Horticulture/Gardens
- Skate Parks
- Other Facilities
- Park / Recreation Centers
- Parks
- Performing / Visual Arts Centers
- Recreation Centers
- Senior Citizen Centers
- Opportunity School
- Charter School
- Elementary School
- Span School
- Special Education School
- High School
- Middle School
- Early Education Center

COASTAL ZONE

- Coastal Commission Permit Area
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- Tier 1
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- Specific Plan Area
- Very High Fire Hazard Severity Zone
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City of Los Angeles
Department of City Planning

10/21/2021
PARCEL PROFILE REPORT

PROPERTY ADDRESSES
677 E 50TH ST

ZIP CODES
90011

RECENT ACTIVITY
None

CASE NUMBERS
CPC-2010-2772-CRA
CPC-2008-1553-CPU
CPC-1996-398
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ORD-162128
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ENV-2008-1780-EIR

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PIN Number	111A207 195
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Assessor Parcel No. (APN)	5108011909
Tract	MC KINLEY PLACE
Map Reference	M B 5-19
Block	C
Lot	30
Arb (Lot Cut Reference)	None
Map Sheet	111A207
Jurisdictional Information	
Community Plan Area	Southeast Los Angeles
Area Planning Commission	South Los Angeles
Neighborhood Council	Zapata-King
Council District	CD 9 - Curren D. Price, Jr.
Census Tract #	2292.00
LADBS District Office	Los Angeles Metro
Planning and Zoning Information	
Special Notes	None
Zoning	PF-1
Zoning Information (ZI)	ZI-2374 State Enterprise Zone: Los Angeles
	ZI-1231 Specific Plan: South Los Angeles Alcohol Sales
	ZI-2452 Transit Priority Area in the City of Los Angeles
General Plan Land Use	Public Facilities
General Plan Note(s)	Yes
Hillside Area (Zoning Code)	No
Specific Plan Area	SOUTH LOS ANGELES ALCOHOL SALES
Subarea	None
Special Land Use / Zoning	None
Historic Preservation Review	No
Historic Preservation Overlay Zone	None
Other Historic Designations	None
Other Historic Survey Information	None
Mills Act Contract	None
CDO: Community Design Overlay	None
CPIO: Community Plan Imp. Overlay	None
Subarea	None
CUGU: Clean Up-Green Up	None
HCR: Hillside Construction Regulation	No
NSO: Neighborhood Stabilization Overlay	No
POD: Pedestrian Oriented Districts	None
RFA: Residential Floor Area District	None
RIO: River Implementation Overlay	No
SN: Sign District	No
Streetscape	No
Adaptive Reuse Incentive Area	None

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Residential Market Area	Low
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RPA: Redevelopment Project Area	None
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Downtown Parking	No
Building Line	None
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Assessor Information	
Assessor Parcel No. (APN)	5108011909
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Deed Ref No. (City Clerk)	9-362
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Building 1	No data for building 1
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Additional Information	
Airport Hazard	None
Coastal Zone	None
Farmland	Area Not Mapped
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Very High Fire Hazard Severity Zone	No
Fire District No. 1	No
Flood Zone	Outside Flood Zone
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Hazardous Waste / Border Zone Properties	No
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Special Grading Area (BOE Basic Grid Map A-13372)	No
Wells	None
Seismic Hazards	
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Nearest Fault (Distance in km)	2.70202152
Nearest Fault (Name)	Puente Hills Blind Thrust
Region	Los Angeles Blind Thrusts
Fault Type	B
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Slip Type	Moderately / Poorly Constrained
Down Dip Width (km)	19.00000000
Rupture Top	5.00000000
Rupture Bottom	13.00000000

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Dip Angle (degrees)	25.00000000
Maximum Magnitude	7.10000000
Alquist-Priolo Fault Zone	No
Landslide	No
Liquefaction	No
Preliminary Fault Rupture Study Area	No
Tsunami Inundation Zone	No
Economic Development Areas	
Business Improvement District	None
Hubzone	Qualified
Opportunity Zone	No
Promise Zone	South Los Angeles Transit Empowerment Zone
State Enterprise Zone	LOS ANGELES STATE ENTERPRISE ZONE
Housing	
Direct all Inquiries to	Housing+Community Investment Department
Telephone	(866) 557-7368
Website	http://hcidla.lacity.org
Rent Stabilization Ordinance (RSO)	No [APN: 5108011909]
Ellis Act Property	No
AB 1482: Tenant Protection Act	No
Public Safety	
Police Information	
Bureau	Central
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Reporting District	1363
Fire Information	
Bureau	South
Batallion	13
District / Fire Station	21
Red Flag Restricted Parking	No

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CASE SUMMARIES

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Project Descriptions(s):	SOUTHEAST LOS ANGELES COMMUNITY PLAN UPDATE
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Required Action(s):	Data Not Available
Project Descriptions(s):	
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Required Action(s):	CA-CODE AMENDMENT
Project Descriptions(s):	AMENDMENT TO THE L.A.M.C. TO - DRAFT AN ORDINANCE TO PROHIBIT THE GRANTING OF A CONDITIONAL USE PERMIT FOR THE OFF-SITE SALE OF ALCOHOLIC BEVERAGES (LOURDES GREEN/KAREN HOO)\
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Project Descriptions(s):	SPECIFIC PLN ORD FOR INTERIM CONDITIONAL USE APPRVL FOR ESTABLISHMENTS FOR THE SALE OF ALCOHOL WHICH ARE GENERALLY LOCATED INTHE SOUTH CENTRAL AREA OF THE CITY
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DATA NOT AVAILABLE

ORD-174172-SA670

ORD-171682

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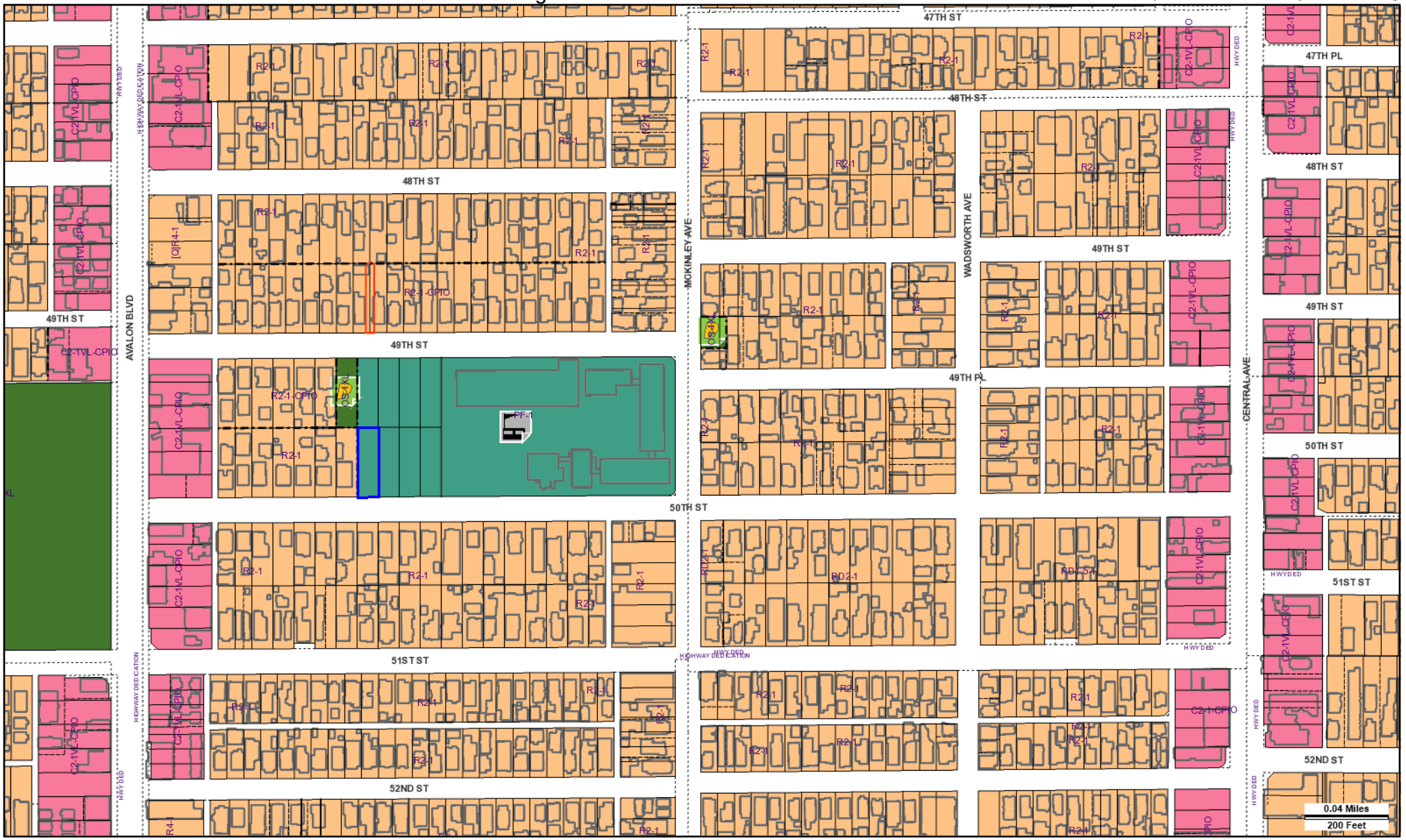
ZIMAS PUBLIC

Generalized Zoning

10/21/2021

City of Los Angeles
Department of City Planning



Address: 677 E 50TH ST
APN: 5108011909
PIN #: 111A207 195

Tract: MC KINLEY PLACE
Block: C
Lot: 30
Arb: None

Zoning: PF-1
General Plan: Public Facilities

N
W E
S

LEGEND

GENERALIZED ZONING

- OS, GW
- A, RA
- RE, RS, R1, RU, RZ, RW1
- R2, RD, RMP, RW2, R3, RAS, R4, R5, PVSP
- CR, C1, C1.5, C2, C4, C5, CW, WC, ADP, LASED, CEC, USC, PPSP, MU, NMU
- CM, MR, CCS, UV, UI, UC, M1, M2, LAX, M3, SL, HJ, HR, NI
- P, PB
- PF

GENERAL PLAN LAND USE

LAND USE

RESIDENTIAL

- Minimum Residential
- Very Low / Very Low I Residential
- Very Low II Residential
- Low / Low I Residential
- Low II Residential
- Low Medium / Low Medium I Residential
- Low Medium II Residential
- Medium Residential
- High Medium Residential
- High Density Residential
- Very High Medium Residential

COMMERCIAL

- Limited Commercial
- Limited Commercial - Mixed Medium Residential
- Highway Oriented Commercial
- Highway Oriented and Limited Commercial
- Highway Oriented Commercial - Mixed Medium Residential
- Neighborhood Office Commercial
- Community Commercial
- Community Commercial -Mixed High Residential
- Regional Center Commercial

INDUSTRIAL

- Commercial Manufacturing
- Limited Manufacturing
- Light Manufacturing
- Heavy Manufacturing
- Hybrid Industrial

PARKING

- Parking Buffer

PORT OF LOS ANGELES

- General / Bulk Cargo - Non Hazardous (Industrial / Commercial)
- General / Bulk Cargo - Hazard
- Commercial Fishing
- Recreation and Commercial
- Intermodal Container Transfer Facility Site

LOS ANGELES INTERNATIONAL AIRPORT

- Airport Landside / Airport Landside Support
- Airport Airside
- LAX Airport Northside

OPEN SPACE / PUBLIC FACILITIES

- Open Space
- Public / Open Space
- Public / Quasi-Public Open Space
- Other Public Open Space
- Public Facilities

FRAMEWORK

COMMERCIAL

- Neighborhood Commercial
- General Commercial
- Community Commercial
- Regional Mixed Commercial

INDUSTRIAL

- Limited Industrial
- Light Industrial

CIRCULATION

STREET

- Arterial Mountain Road
- Collector Scenic Street
- Collector Street
- Collector Street (Hillside)
- Collector Street (Modified)
- Collector Street (Proposed)
- Country Road
- Divided Major Highway II
- Divided Secondary Scenic Highway
- Local Scenic Road
- Local Street
- Major Highway (Modified)
- Major Highway I
- Major Highway II
- Major Highway II (Modified)
- Major Scenic Highway
- Major Scenic Highway (Modified)
- Major Scenic Highway II
- Mountain Collector Street
- Park Road
- Parkway
- Principal Major Highway
- Private Street
- Scenic Divided Major Highway II
- Scenic Park
- Scenic Parkway
- Secondary Highway
- Secondary Highway (Modified)
- Secondary Scenic Highway
- Special Collector Street
- Super Major Highway

FREEWAYS

- Freeway
- Interchange
- On-Ramp / Off- Ramp
- Railroad
- Scenic Freeway Highway

MISC. LINES

- Airport Boundary
- Bus Line
- Coastal Zone Boundary
- Coastline Boundary
- Collector Scenic Street (Proposed)
- Commercial Areas
- Commercial Center
- Community Redevelopment Project Area
- Country Road
- DWP Power Lines
- Desirable Open Space
- Detached Single Family House
- Endangered Ridgeline
- Equestrian and/or Hiking Trail
- Hiking Trail
- Historical Preservation
- Horsekeeping Area
- Local Street
- MSA Desirable Open Space
- Major Scenic Controls
- Multi-Purpose Trail
- Natural Resource Reserve
- Park Road
- Park Road (Proposed)
- Quasi-Public
- Rapid Transit Line
- Residential Planned Development
- Scenic Highway (Obsolete)
- Secondary Scenic Controls
- Secondary Scenic Highway (Proposed)
- Site Boundary
- Southern California Edison Power
- Special Study Area
- Specific Plan Area
- Stagecoach Line
- Wildlife Corridor

POINTS OF INTEREST

- Alternative Youth Hostel (Proposed)
- Animal Shelter
- Area Library
- Area Library (Proposed)
- Bridge
- Campground
- Campground (Proposed)
- Cemetery
- HW Church
- City Hall
- Community Center
- Community Library
- Community Library (Proposed Expansion)
- Community Library (Proposed)
- Community Park
- Community Park (Proposed Expansion)
- Community Park (Proposed)
- Community Transit Center
- Convalescent Hospital
- Correctional Facility
- Cultural / Historic Site (Proposed)
- Cultural / Historical Site
- Cultural Arts Center
- DMV DMV Office
- DWP DWP
- DWP Pumping Station
- Equestrian Center
- HQ Fire Department Headquarters
- Fire Station
- Fire Station (Proposed Expansion)
- Fire Station (Proposed)
- Fire Supply & Maintenance
- Fire Training Site
- Fireboat Station
- Health Center / Medical Facility
- Helistop
- Historic Monument
- Historical / Cultural Monument
- Horsekeeping Area
- Horsekeeping Area (Proposed)
- Horticultural Center
- Hospital
- Hospital (Proposed)
- HW House of Worship
- e Important Ecological Area
- e Important Ecological Area (Proposed)
- Interpretive Center (Proposed)
- JC Junior College
- M MTA / Metrolink Station
- M MTA Station
- MTA Stop
- MWD MWD Headquarters
- Maintenance Yard
- Municipal Office Building
- P Municipal Parking lot
- Neighborhood Park
- Neighborhood Park (Proposed Expansion)
- Neighborhood Park (Proposed)
- Oil Collection Center
- P Parking Enforcement
- HQ Police Headquarters
- Police Station
- Police Station (Proposed Expansion)
- Police Station (Proposed)
- Police Training site
- PO Post Office
- Power Distribution Station
- Power Distribution Station (Proposed)
- Power Receiving Station
- Power Receiving Station (Proposed)
- C Private College
- E Private Elementary School
- Private Golf Course
- Private Golf Course (Proposed)
- JH Private Junior High School
- PS Private Pre-School
- Private Recreation & Cultural Facility
- SH Private Senior High School
- SF Private Special School
- Public Elementary (Proposed Expansion)
- Public Elementary School
- Public Elementary School (Proposed)
- Public Golf Course
- Public Golf Course (Proposed)
- Public Housing
- Public Housing (Proposed Expansion)
- JH Public Junior High School
- JH Public Junior High School (Proposed)
- MS Public Middle School
- SH Public Senior High School
- SH Public Senior High School (Proposed)
- Pumping Station
- Pumping Station (Proposed)
- Refuse Collection Center
- Regional Library
- Regional Library (Proposed Expansion)
- Regional Library (Proposed)
- Regional Park
- Regional Park (Proposed)
- RPD Residential Plan Development
- Scenic View Site
- Scenic View Site (Proposed)
- ADM School District Headquarters
- SC School Unspecified Loc/Type (Proposed)
- Skill Center
- SS Social Services
- Special Feature
- Special Recreation (a)
- SF Special School Facility
- SF Special School Facility (Proposed)
- Steam Plant
- sm Surface Mining
- Trail & Assembly Area
- Trail & Assembly Area (Proposed)
- UTL Utility Yard
- Water Tank Reservoir
- Wildlife Migration Corridor
- Wildlife Preserve Gate

SCHOOLS/PARKS WITH 500 FT. BUFFER

- Existing School/Park Site
- Planned School/Park Site
- Inside 500 Ft. Buffer

- Aquatic Facilities
- Beaches
- Child Care Centers
- Dog Parks
- Golf Course
- Historic Sites
- Horticulture/Gardens
- Skate Parks
- Other Facilities
- Park / Recreation Centers
- Parks
- Performing / Visual Arts Centers
- Recreation Centers
- Senior Citizen Centers
- Opportunity School
- Charter School
- Elementary School
- Span School
- Special Education School
- High School
- Middle School
- Early Education Center

COASTAL ZONE

- Coastal Commission Permit Area
- Dual Permit Jurisdiction Area
- Single Permit Jurisdiction Area
- Not in Coastal Zone

TRANSIT ORIENTED COMMUNITIES (TOC)

- Tier 1
- Tier 2
- Tier 3
- Tier 4

Note: TOC Tier designation and map layers are for reference purposes only. Eligible projects shall demonstrate compliance with Tier eligibility standards prior to the issuance of any permits or approvals. As transit service changes, eligible TOC Incentive Areas will be updated.

WAIVER OF DEDICATION OR IMPROVEMENT

- Public Work Approval (PWA)
- Waiver of Dedication or Improvement (WDI)

OTHER SYMBOLS

- Lot Line
- Tract Line
- Lot Cut
- Easement
- Zone Boundary
- Building Line
- Lot Split
- Community Driveway
- Building Outlines 2014
- Building Outlines 2008
- Airport Hazard Zone
- Census Tract
- Coastal Zone
- Council District
- LADBS District Office
- Downtown Parking
- Fault Zone
- Fire District No. 1
- Tract Map
- Parcel Map
- Flood Zone
- Hazardous Waste
- High Wind Zone
- Hillside Grading
- Historic Preservation Overlay Zone
- Specific Plan Area
- Very High Fire Hazard Severity Zone
- Wells

4-011.04 COASTAL PLAIN OF LOS ANGELES – CENTRAL

Basin Boundaries Description

2003

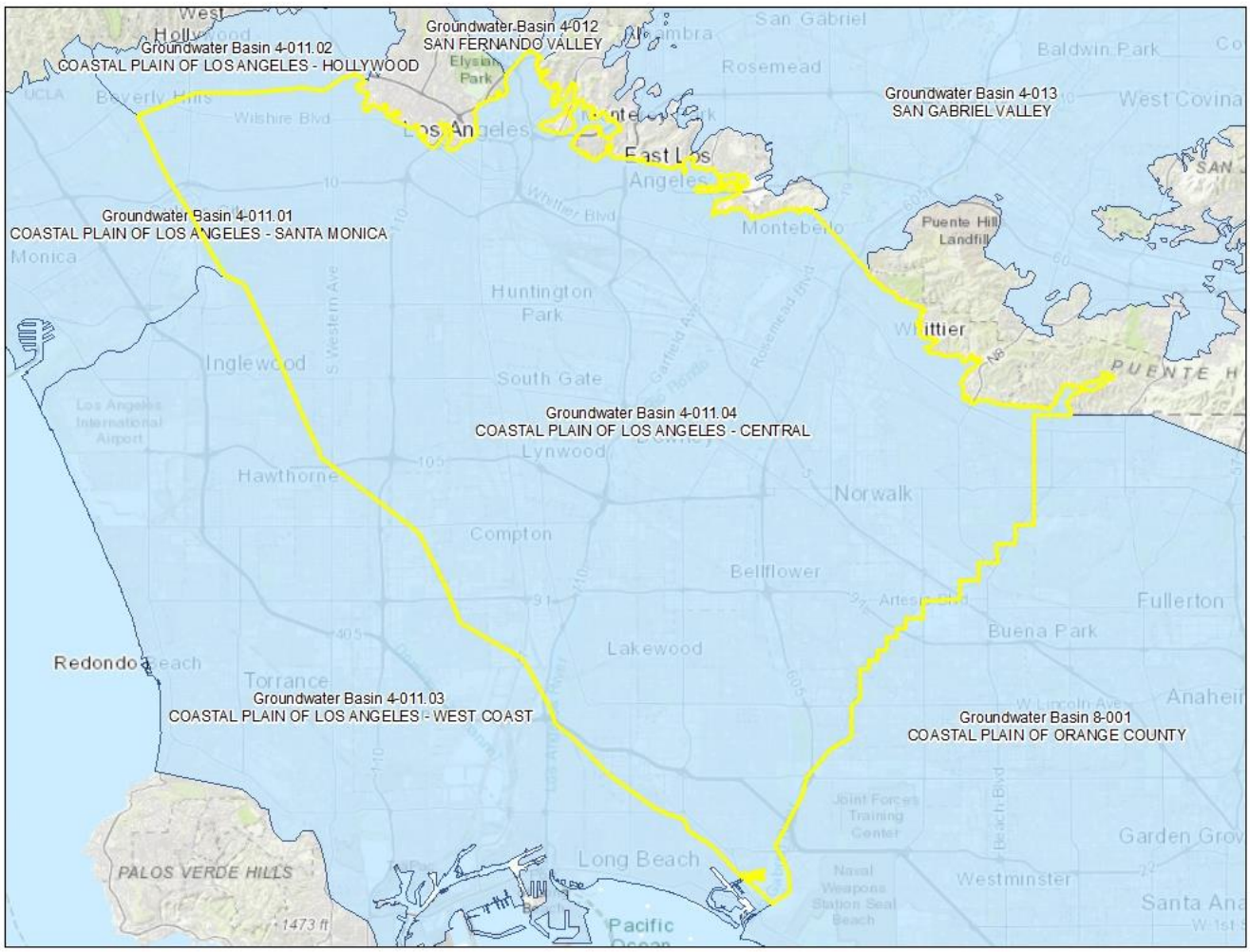
- County: Los Angeles
- Surface Area: 177,000 acres (277 square miles)

Summary

The Central Subbasin occupies a large portion of the southeastern part of the Coastal Plain of Los Angeles Groundwater Basin. This subbasin is commonly referred to as the “Central Basin” and is bounded on the north by a surface divide called the La Brea high, and on the northeast and east by emergent less permeable Tertiary rocks of the Elysian, Repetto, Merced and Puente Hills. The southeast boundary between Central Basin and Orange County Groundwater Basin roughly follows Coyote Creek, which is a regional drainage province boundary. The southwest boundary is formed by the Newport Inglewood fault system and the associated folded rocks of the Newport Inglewood uplift.

Map

4-011.04 – COASTAL PLAIN OF LOS ANGELES – CENTRAL

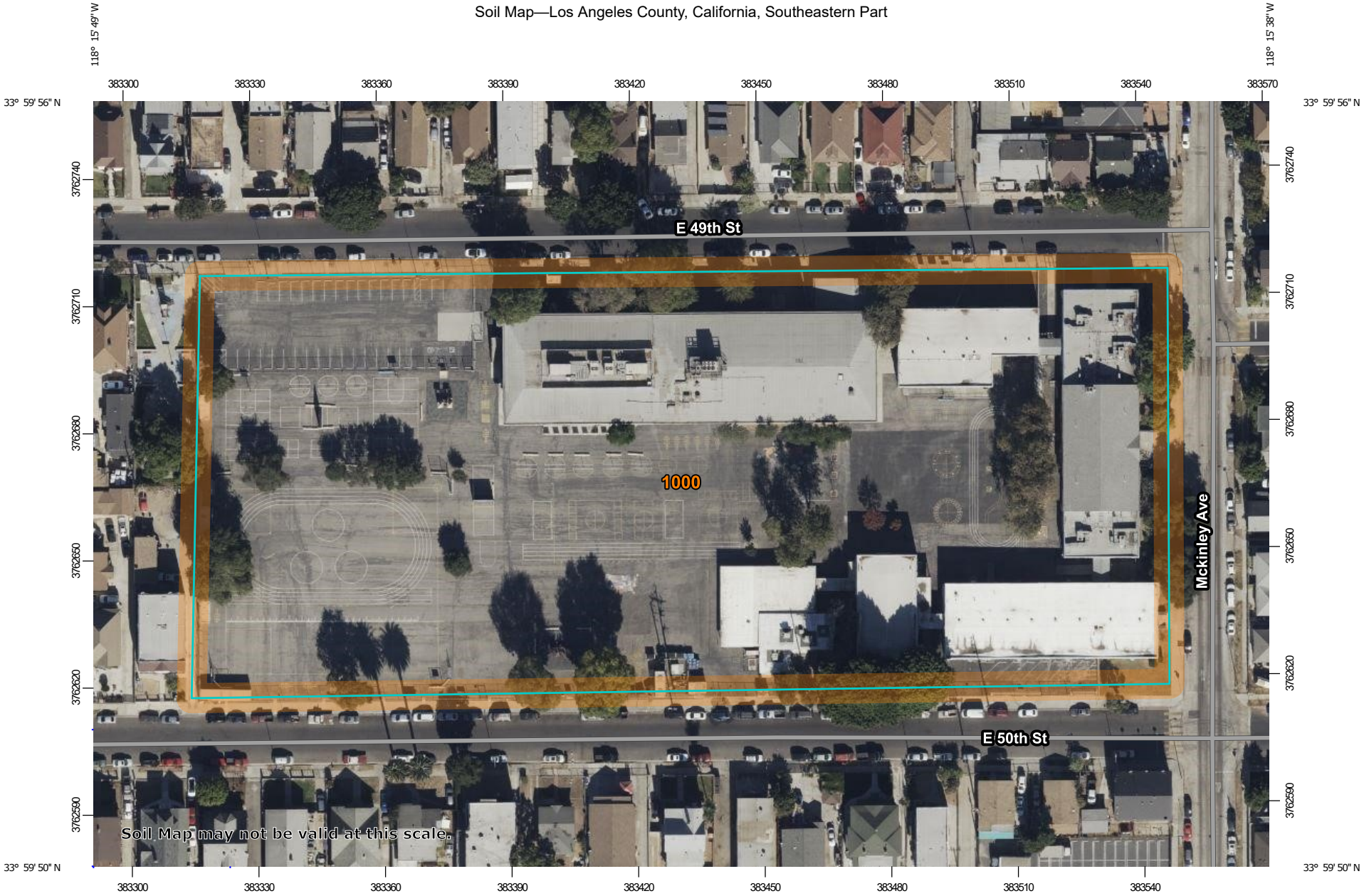


Map Link

References

This table contains the reference listings for the citations noted in the Summary. Each reference contains the name of the reference and the publication date. For more information, email sgmps@water.ca.gov.

Citation	Pub Date



Map Scale: 1:1,270 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 15 30 60 90

Feet
0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Los Angeles County, California, Southeastern Part
Survey Area Data: Version 8, Sep 13, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 21, 2020—Dec 2, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
1000	Urban land-Hueneme, drained-San Emigdio complex, 0 to 2 percent slopes	5.7	100.0%
Totals for Area of Interest		**5.7**	**100.0%**

Los Angeles County, California, Southeastern Part

1000—Urban land-Hueneme, drained-San Emigdio complex, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 2lts5
Elevation: 10 to 300 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 64 to 66 degrees F
Frost-free period: 350 to 365 days
Farmland classification: Prime farmland if irrigated and drained

Map Unit Composition

Urban land: 45 percent
Hueneme, drained, and similar soils: 20 percent
San emigdio and similar soils: 15 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Urban Land

Setting

Landform: Alluvial fans

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: 0 inches to manufactured layer
Runoff class: Very high
Frequency of flooding: RareNone

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8
Ecological site: R019XG911CA - Loamy Fan
Hydric soil rating: No

Description of Hueneme, Drained

Setting

Landform: Alluvial fans
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Discontinuous human-transported material over mixed alluvium derived from granite and/or sedimentary rock

Typical profile

A - 0 to 5 inches: sandy loam
C1 - 5 to 16 inches: sandy loam
C2 - 16 to 22 inches: loamy fine sand
C3 - 22 to 31 inches: very fine sandy loam

C4 - 31 to 53 inches: fine sandy loam
C5 - 53 to 77 inches: silt loam
C6 - 77 to 79 inches: loamy sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: RareNone
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 8.0
Available water supply, 0 to 60 inches: Moderate (about 8.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3w
Hydrologic Soil Group: B
Ecological site: R019XG911CA - Loamy Fan
Hydric soil rating: No

Description of San Emigdio

Setting

Landform: Alluvial fans
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Discontinuous human-transported material over mixed alluvium derived from granite and/or sedimentary rock

Typical profile

A - 0 to 4 inches: fine sandy loam
C1 - 4 to 16 inches: fine sandy loam
C2 - 16 to 20 inches: silt loam
C3 - 20 to 39 inches: sandy loam
C4 - 39 to 67 inches: loamy sand

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: RareNone

Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Moderate (about 6.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: B
Ecological site: R019XG911CA - Loamy Fan
Hydric soil rating: No

Minor Components

Pico

Percent of map unit: 10 percent
Landform: Alluvial fans
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Xerorthents

Percent of map unit: 5 percent
Landform: Alluvial fans
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Metz

Percent of map unit: 5 percent
Landform: Alluvial fans
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Hydric soil rating: No

Data Source Information

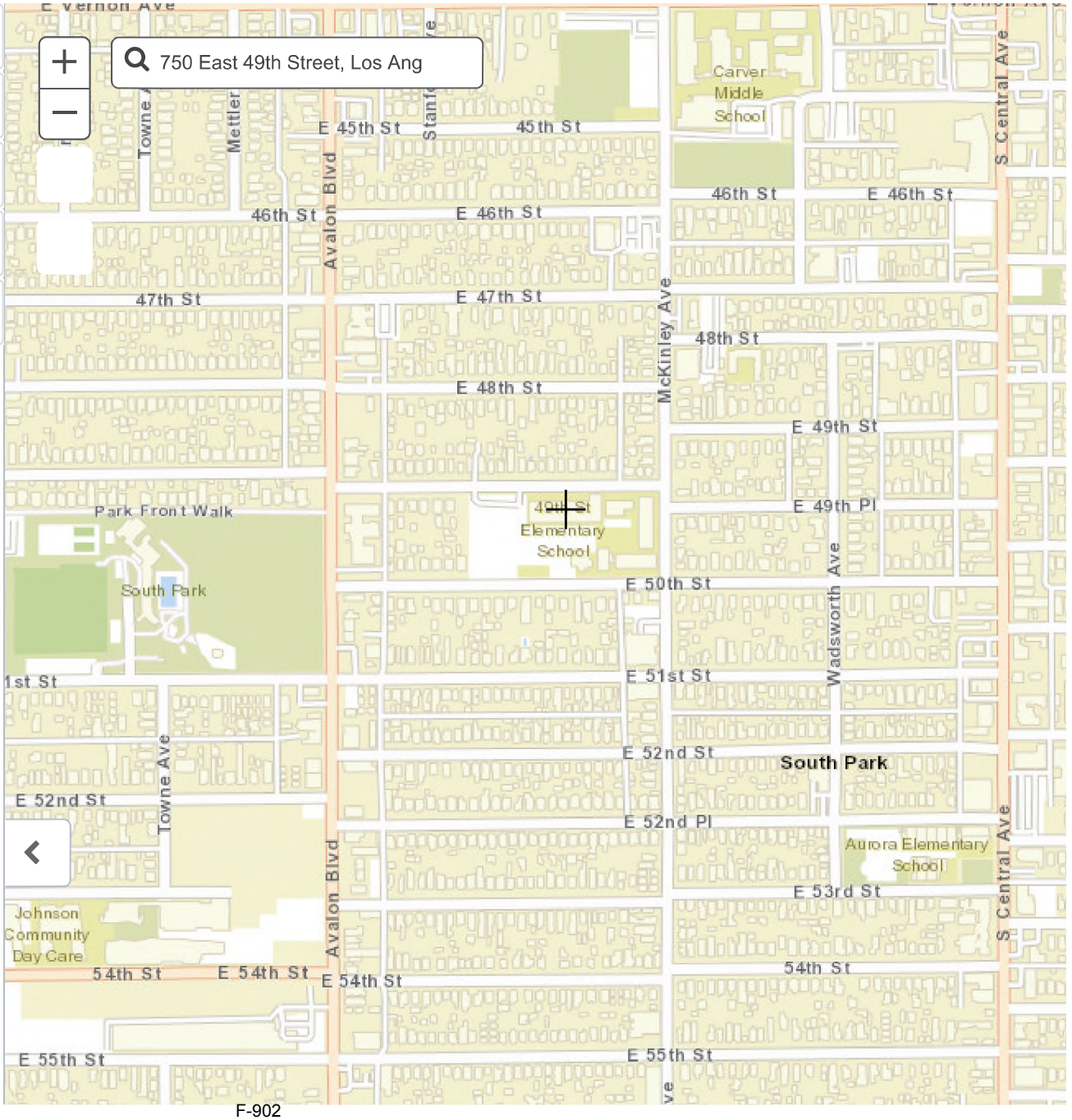
Soil Survey Area: Los Angeles County, California, Southeastern Part
Survey Area Data: Version 8, Sep 13, 2021

Well Finder

CalGEM GIS

More Info | Help | ©

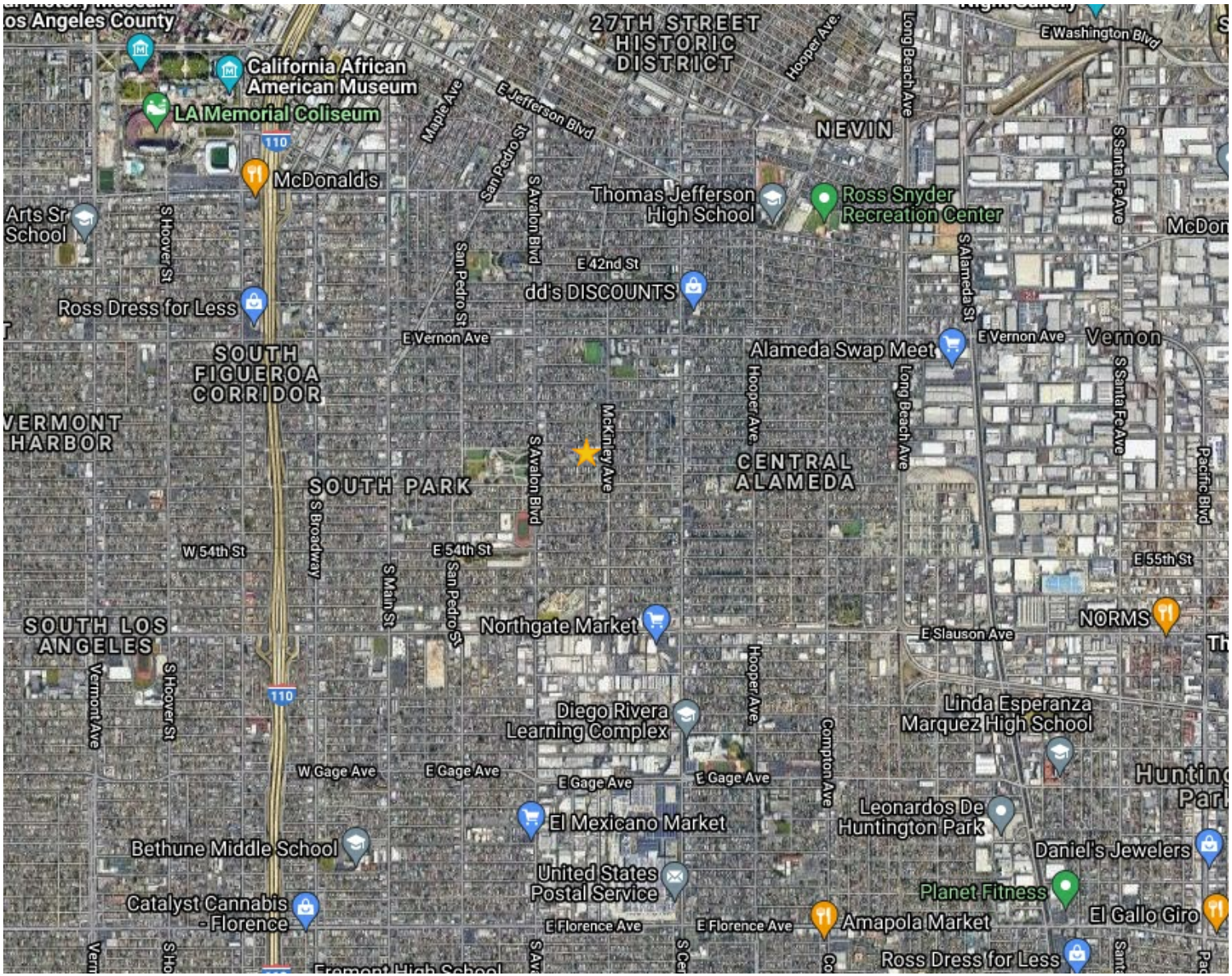
- Well Status and Well Type Filter
- Search
- ✱ Zoom to Field
- Measurement
- Layers



F-902

Pipeline and Hazardous Materials Safety Administration

NATIONAL PIPELINE MAPPING SYSTEM



Legend

500 m
1000 ft

Pipelines depicted on this map represent gas transmission and hazardous liquid lines only. Gas gathering and gas distribution systems are not represented.

This map should never be used as a substitute for contacting a one-call center prior to excavation activities. Please call 811 before any digging occurs.

Questions regarding this map or its contents can be directed to npms@dot.gov.

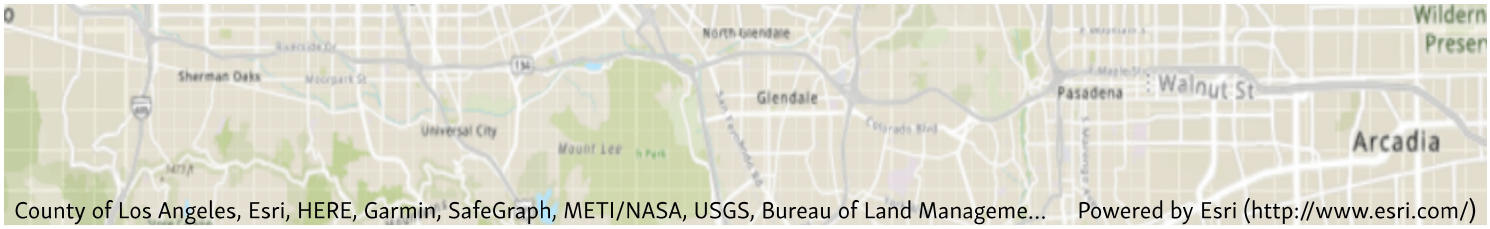
Projection: Geographic

Datum: NAD83

Map produced by the Public Viewer application at www.npms.phmsa.dot.gov

Date Printed: Jan 13, 2022

811 Know what's below. Call before you dig.



SEARCH RESULTS

2 Results

Street: 49th ✕ Zip: 90011 ✕ Clear all Filters

Show Map

Sort: Status

165232 (.allListModal)

Facility Name RAM BUILDING & REMODELING

Facility Address: 1660 E 49TH ST, LOS ANGELES, CA 90011

Status: ACTIVE

127110 (.allListModal)

Facility Name L A UNI SCH DIST/49TH STREET ES

Facility Address: 750 E 49TH ST, LOS ANGELES, CA 90011

Status: ACTIVE

Export all records to Excel

South Coast Air Quality Management District

21865 Copley Dr, Diamond Bar, CA 91765

909-396-2000

© 2018 South Coast Air Quality Management District



SEARCH RESULTS

1 Results

Street: 50th ✕ Zip: 90011 ✕ Clear all Filters

Show Map

Sort: Status

8707 (.allListModal)

Facility Name PORCELAIN PROD. INC

Facility Address: 4627 E 50TH ST, LOS ANGELES, CA 90011

Export all records to Excel

South Coast Air Quality Management District

21865 Copley Dr, Diamond Bar, CA 91765

909-396-2000

© 2018 South Coast Air Quality Management District

L A UNI SCH DIST/49TH STREET ES

County of Los Angeles, Bureau of Land Management, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EP... Powered by Esri

Address: 750 E 49TH ST, LOS ANGELES, CA 90011

Facility ID: 127110

Status: ACTIVE

Back Fees Due: No.

Equipment List

5 Results

Sort: Application Number

602902

RULE 1415 PLAN NOTIFICATIONS
Application Status : BANKING/ PLAN GRANTED, NON BILLABLE
Application Date : 04/10/2018
Type : Basic

592541

RULE 1415 PLAN NOTIFICATIONS
Application Status : BANKING/ PLAN GRANTED, NON BILLABLE
Application Date : 03/07/2017
Type : Basic

562227

RULE 1415 PLAN NOTIFICATIONS
Application Status : BANKING/ PLAN GRANTED, NON BILLABLE
Application Date : 03/19/2014
Type : Basic

538758

RULE 1415 PLAN NOTIFICATIONS
Application Status : BANKING/ PLAN GRANTED, NON BILLABLE
Application Date : 05/08/2012
Type : Basic

382303

BOILER-(<2MMBTU/HR) R-222
Application Status : BANKING/ PLAN GRANTED, NON BILLABLE
Application Date : 01/19/2001
Type : Basic

Dashboard - Application Detail

Application Number:
382303

Facility ID:
127110

Facility Name:
L A UNI SCH DIST/49TH STREET ES

Permit Number:
--

Permit Status:
--

Equipment Type:
B - Basic

Basic:
011502 - BOILER-(<2MMBTU/HR) R-222

Control:
--

Estimated Construction Start Date:
1/1/2000

Estimated Construction End Date:
1/2/2000

Application Type:
Rule 222 - Non Billable

Application Status:
BANKING/ PLAN GRANTED, NON BILLABLE

Facility Team:
L

Facility Team Name:

AREA SOURCES

Engineer:
WINNIE Y CHO - WC01

Dashboard - Application Detail

PC Issued Date:
N/A

Current Diary Entry:
Plan Application Approved

Current Diary Date:
3/24/2001 12:00:00 AM

Dashboard - Application Detail

Dashboard - Application Detail

L A UNI SCH DIST/49TH STREET ES



Address: 750 E 49TH ST, LOS ANGELES, CA 90011

Facility ID: 127110

Status: ACTIVE

Back Fees Due: No.

Equipment List

Compliance

Notices of Violation

NONE

Notices to Comply

NONE

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COUNTER HOURS

MONDAY, TUESDAY, THURSDAY, FRIDAY: 7:30 AM to 4:30 PM
WEDNESDAY: 9:00 AM to 4:30 PM

Metro	Van Nuys
201, N. Figueroa St. 1st Floor, Room 110 Record Counter Los Angeles,CA 90012	6262 Van Nuys Blvd Record Counter Van Nuys,CA 91401

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT		5/26/1927	1927LA15031	HIST: P1173 001 0425	
BUILDING PERMIT	2	6/29/1956	1956LA47567	HIST: P1654 001 1364	
BUILDING PERMIT	2	7/9/1956	1956LA47566	HIST: P1654 001 1367	
BUILDING PERMIT	2	7/9/1956	1956LA47568	HIST: P1654 001 1372	
BUILDING PERMIT	2	7/9/1956	1956LA47569	HIST: P1654 001 1377	
BUILDING PERMIT	BLDG-ADDITION	9/17/1906	1906LA06842	IDIS: P5005 02621 0000 thru P5005 0001 HIST: P1005 001 2581	
BUILDING PERMIT	BLDG-ADDITION	8/17/1908	1908LA04473	IDIS: P5011 02073 0000 thru P5011 0001 HIST: P1010 002 1532	
BUILDING PERMIT	BLDG-ADDITION	8/18/1908	1908LA04511	IDIS: P5011 02111 0000 thru P5011 0001 HIST: P1010 002 1626	
BUILDING PERMIT	BLDG-ADDITION	3/26/1909	1909LA01636	IDIS: P5013 01636 0000 thru P5013 0001 HIST: P1012 002 0441	
BUILDING PERMIT	BLDG-ADDITION	1/28/1911	1911LA00730	IDIS: P5020 00730 0000 thru P5020 0001 HIST: P1019 001 1461	
BUILDING PERMIT	BLDG-ADDITION	6/1/1911	1911LA04613	IDIS: P5052 02401 0000 thru P5052 0001 HIST: P1020 002 1932	
BUILDING PERMIT	BLDG-ADDITION	4/20/1923	1923LA17802	HIST: P1108 002 3146 IDIS: P5137 02883 0000 thru P5137 0001	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-ADDITION	12/7/1923	1923LA59127	HIST: P1122 002 1620 IDIS: P5151 01750 0000 thru P5151 0001	
BUILDING PERMIT	BLDG-ADDITION	12/6/1955	1955LA31161	HIST: P1644 002 2933 IDIS: P5748 01037 0000 thru P5748 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/17/1906	1906LA06842	HIST: P1005 001 2581	
BUILDING PERMIT	BLDG-ALTER/REPAIR	8/13/1908	1908LA04399	HIST: P1010 002 1384	
BUILDING PERMIT	BLDG-ALTER/REPAIR	8/13/1908	1908LA04399	IDIS: P5011 01999 0000 thru P5011 0001 HIST: P1010 002 1384	
BUILDING PERMIT	BLDG-ALTER/REPAIR	8/15/1908	1908LA04457	IDIS: P5011 02057 0000 thru P5011 0001 HIST: P1010 002 1500	
BUILDING PERMIT	BLDG-ALTER/REPAIR	8/18/1908	1908LA04511	HIST: P1010 002 1598	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/26/1909	1909LA01636	HIST: P1012 002 0441	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/13/1909	1909LA06431	HIST: P1014 001 1316	
BUILDING PERMIT	BLDG-ALTER/REPAIR	1/28/1911	1911LA00730	HIST: P1019 001 1461	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/12/1914	1914LA05177	HIST: P1037 002 1929	
BUILDING PERMIT	BLDG-ALTER/REPAIR	4/20/1923	1923LA17802	HIST: P1108 002 3146	
BUILDING PERMIT	BLDG-ALTER/REPAIR	7/2/1923	1923LA29984	HIST: P1112 002 3163 IDIS: P5141 03033 0000 thru P5141 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	7/27/1932	1932LA12218	HIST: P1230 001 2035 IDIS: P5234 01018 0000 thru P5234 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	4/4/1935	1935LA05477	HIST: P1247 002 2646 IDIS: P5252 01322 0000 thru P5252 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	7/18/1935	1935LA12281	HIST: P1250 001 1739 IDIS: P5254 02383 0000 thru P5254 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/26/1944	1944LA19248	HIST: P1366 001 2171	
BUILDING PERMIT	BLDG-ALTER/REPAIR	4/22/1947	1947 12486	HIST: P1397 001 1467	
BUILDING PERMIT	BLDG-ALTER/REPAIR	4/22/1947	1947LA12486	IDIS: P5420 01462 0000 thru P5420 0001 HIST: P1397 001 1467	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/2/1952	1952LA38331	IDIS: P5539 00927 0000 thru P5539 0001 HIST: P1462 001 1860	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/2/1956	1956LA54475	IDIS: P5757 01703 0000 thru P5757 0001 HIST: P1654 001 1369	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/2/1956	1956LA54476	IDIS: P5757 01700 0000 thru P5757 0001 HIST: P1654 001 1362	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/2/1956	1956LA54476	HIST: P1654 001 1362	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/2/1956	1956LA54477	IDIS: P5757 01707 0000 thru P5757 0001 HIST: P1654 001 1379	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/2/1956	1956LA54477	HIST: P1654 001 1379	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/2/1956	1956LA54478	IDIS: P5757 01705 0000 thru P5757 0001 HIST: P1654 001 1374	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/14/1957	1957LA66266	HIST: P1663 002 0364	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/14/1957	1957LA66266	IDIS: P5766 02574 0000 thru P5766 0001 HIST: P1663 002 0364	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/14/1957	1957LA66267	HIST: P1663 002 0367	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/14/1957	1957LA66267	IDIS: P5766 02575 0000 thru P5766 0001 HIST: P1663 002 0367	
BUILDING PERMIT	BLDG-ALTER/REPAIR	2/17/1964	1964LA58819	IDIS: P5837 01156 0000 thru P5837 0001 HIST: P	
BUILDING PERMIT	BLDG-ALTER/REPAIR	2/17/1964	1964LA58820	IDIS: P5837 01157 0000 thru P5837 0001 HIST: P	
BUILDING PERMIT	BLDG-NEW	7/24/1909	1909LA04288	HIST: P1013 002 0045	
BUILDING PERMIT	BLDG-NEW	7/27/1915	1915LA11600	HIST: P1049 001 2201	
BUILDING PERMIT	BLDG-NEW	1/11/1918	1918LA00184	HIST: P1056 001 0373	
BUILDING PERMIT	BLDG-NEW	3/1/1926	1926LA06161	HIST: P1158 001 0283	
BUILDING PERMIT	BLDG-NEW	11/4/1926	1926LA32254	HIST: P1166 002 1044	
BUILDING PERMIT	BLDG-NEW	11/4/1926	1926LA32254	HIST: P1166 002 1044	
BUILDING PERMIT	BLDG-NEW	1/11/1927	1927LA00822	HIST: P1168 001 1643 IDIS: P5171 00822 0000 thru P5171 0001	
BUILDING PERMIT	BLDG-NEW	5/26/1927	1927LA15031	HIST: P1173 001 0425 IDIS: P5177 00213 0000 thru P5177 0001	
BUILDING PERMIT	BLDG-NEW	4/12/1960	1960LA57900	HIST: P1691 002 0347 IDIS: P5797 01397 0000 thru P5797 0001	
BUILDING PERMIT	BLDG-NEW	4/12/1960	1960LA57901	IDIS: P5797 01398 0000 thru P5797 0001 HIST: P1691 002 0349	
BUILDING PERMIT	BLDG-RELOCATION	3/12/1914	1914LA05177	IDIS: P5063 02448 0000 thru P5063 0001 HIST: P1037 002 1929	
BUILDING PERMIT	BLDG-RELOCATION	7/3/1923	1923LA30089	HIST: P1113 001 0190 IDIS: P5142 00097 0000 thru P5142 0001	
BUILDING PERMIT	BLDG-RELOCATION	10/15/1925	1925LA35449	IDIS: P5033 00741 0000 thru P5033 0001 HIST: P1153 001 1481	
BUILDING PERMIT	BLDG-RELOCATION	10/26/1926	1926LA31332	IDIS: P5053 02624 0000 thru P5053 0001 HIST: P1166 001 2345	
BUILDING PERMIT	BLDG-RELOCATION	7/1/1937	1937LA21923	HIST: P1276 001 1277 IDIS: P5280 01923 0000 thru P5280 0001	
BUILDING PERMIT	BLDG-RELOCATION	6/25/1952	1952LA38641	IDIS: P5539 01237 0000 thru P5539 0001 HIST: P1462 001 2490	
BUILDING PERMIT	BLDG-RELOCATION	7/9/1956	1956LA47566	IDIS: P5757 01702 0000 thru P5757 0001 HIST: P1654 001 1367	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-RELOCATION	7/9/1956	1956LA47567	IDIS: P5757 01701 0000 thru P5757 0001 HIST: P1654 001 1364	
BUILDING PERMIT	BLDG-RELOCATION	7/9/1956	1956LA47568	IDIS: P5757 01704 0000 thru P5757 0001 HIST: P1654 001 1372	
BUILDING PERMIT	BLDG-RELOCATION	7/9/1956	1956LA47569	IDIS: P5757 01706 0000 thru P5757 0001 HIST: P1654 001 1377	
BUILDING PERMIT	NEW CONSTRUCTION	6/19/1905	1905LA03596	IDIS: P5001 00534 0000 thru P5001 0001 HIST: P1001 001 1169	
BUILDING PERMIT	NEW CONSTRUCTION	9/11/1905	1905LA05717	IDIS: P5000 00716 0000 thru P5000 0001 HIST: P1002 001 1431	
BUILDING PERMIT	NEW CONSTRUCTION	10/13/1909	1909LA06431	IDIS: P5015 00660 0000 thru P5015 0001 HIST: P1014 001 1316	
BUILDING PERMIT	NEW CONSTRUCTION	7/27/1915	1915LA11600	IDIS: P5075 01100 0000 thru P5075 0001 HIST: P1049 001 2201	
BUILDING PERMIT	NEW CONSTRUCTION	1/11/1918	1918LA00184	HIST: P1056 001 0373 IDIS: P5082 01248 0000 thru P5082 0001	
BUILDING PERMIT	NEW CONSTRUCTION	11/4/1926	1926LA32254	IDIS: P5054 00522 0000 thru P5054 0001 HIST: P1166 002 1044	
CERTIFICATE OF OCCUPANCY		4/26/1957	1956LA47568	HIST: O278 3 0472	
CERTIFICATE OF OCCUPANCY		4/26/1957	1956LA47569	HIST: O278 3 0474	
CERTIFICATE OF OCCUPANCY		4/26/1957	1956LA54477	HIST: O278 3 0474	
CERTIFICATE OF OCCUPANCY		4/26/1957	1956LA54478	HIST: O278 3 0472	
CERTIFICATE OF OCCUPANCY		5/3/1957	1956LA47566	HIST: O278 3 0468	
CERTIFICATE OF OCCUPANCY		5/3/1957	1956LA47567	HIST: O278 3 0467	
CERTIFICATE OF OCCUPANCY		5/3/1957	1956LA54475	HIST: O278 3 0468	
CERTIFICATE OF OCCUPANCY		5/3/1957	1956LA54476	HIST: O278 3 0467	
RANGE FILE	MISCELLANEOUS	6/18/1999		HIST: M1194 005 0148 thru M1194 0150	
RANGE FILE	MISCELLANEOUS	6/18/1999		HIST: M1194 005 0148	
RANGE FILE	MISCELLANEOUS	6/25/1999		HIST: M1194 004 0303 thru M1194 0305	
RANGE FILE	MISCELLANEOUS	6/25/1999		HIST: M1194 004 0303	
RANGE FILE	MISCELLANEOUS	2/26/2000		HIST: M1287 009 0237 thru M1287 0242	
RANGE FILE	MISCELLANEOUS	2/26/2000		HIST: M1287 009 0237	
RANGE FILE	MISCELLANEOUS	3/26/2001		HIST: M1289 009 0268	

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LA DBS
DEPARTMENT OF BUILDING AND SAFETY

January 13, 2022

Document Report

Documents

Document Number(s)
1909LA04288

Record Description
Record ID: 9060665
Doc Type: BUILDING PERMIT
Sub Type: BLDG-NEW
Doc Date: 07/24/1909
Status: None
Doc Version: None
AKA Address: None
Project Name: None
Disaster ID: None
Subject: None
Product Name: None
Manufacturer's Name: None
Expired Date: None
Receipt Number: None
Case Number: None
Scan Number: None
Dwelling Units: None
Comments: This document shows the following information: Type Const 1 = D; S tories = 1.

Property Address(es)
732 E 49TH

Legal Description(s)
Tract:
Block: **Lot:** **Arb:**
Modifier: **Map Reference:**

District Offices(s)
LA

Film RBF
Type: HIST P1013; 002; 0045

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Van Nuys - 6262 Van Nuys Blvd, 2nd Floor Van Nuys CA 91401

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LA DBS
DEPARTMENT OF BUILDING AND SAFETY

January 13, 2022

Document Report

Documents

Document Number(s)
1915LA11600

Record Description
Record ID: 9060694
Doc Type: BUILDING PERMIT
Sub Type: BLDG-NEW
Doc Date: 07/27/1915
Status: None
Doc Version: None
AKA Address: None
Project Name: None
Disaster ID: None
Subject: None
Product Name: None
Manufacturer's Name: None
Expired Date: None
Receipt Number: None
Case Number: None
Scan Number: None
Dwelling Units: None
Comments: This document shows the following information: Type Const 1 = D; S tories = 1.

Property Address(es)
740 E 49TH

Legal Description(s)
Tract:
Block: **Lot:** **Arb:**
Modifier: **Map Reference:**

District Offices(s)
LA

Film RBF
Type: HIST P1049; 001; 2201

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LA DBS
DEPARTMENT OF BUILDING AND SAFETY

January 13, 2022

Document Report

Documents

Document Number(s)
1918LA00184

Record Description
Record ID: 9060715
Doc Type: BUILDING PERMIT
Sub Type: BLDG-NEW
Doc Date: 01/11/1918
Status: None
Doc Version: None
AKA Address: None
Project Name: None
Disaster ID: None
Subject: None
Product Name: None
Manufacturer's Name: None
Expired Date: None
Receipt Number: None
Case Number: None
Scan Number: None
Dwelling Units: None
Comments: This document shows the following information: Type Const 1 = D; S tories = 1.

Property Address(es)
770 E 49TH ST

Legal Description(s)
Tract:
Block: **Lot:** **Arb:**
Modifier: **Map Reference:**

District Offices(s)
LA

Film RBF
Type: HIST P1056; 001; 0373

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Van Nuys - 6262 Van Nuys Blvd, 2nd Floor Van Nuys CA 91401

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DEPARTMENT OF BUILDING AND SAFETY

January 13, 2022

Document Report

Documents

Document Number(s)
1926LA06161

Record Description
Record ID: 9060714
Doc Type: BUILDING PERMIT
Sub Type: BLDG-NEW
Doc Date: 03/01/1926
Status: None
Doc Version: None
AKA Address: None
Project Name: None
Disaster ID: None
Subject: None
Product Name: None
Manufacturer's Name: None
Expired Date: None
Receipt Number: None
Case Number: None
Scan Number: None
Dwelling Units: None
Comments: This document shows the following information: Type Const 1 = D; S tories = 1; Units Total = 1.

Property Address(es)
768 E 49TH

Legal Description(s)
Tract:
Block: **Lot:** **Arb:**
Modifier: **Map Reference:**

District Offices(s)
LA

Film RBF
Type: HIST P1158; 001; 0283

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Van Nuys - 6262 Van Nuys Blvd, 2nd Floor Van Nuys CA 91401

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LA DBS
DEPARTMENT OF BUILDING AND SAFETY

January 13, 2022

Document Report

Documents

Document Number(s)
1926LA32254

Record Description
Record ID: 9060576
Doc Type: BUILDING PERMIT
Sub Type: BLDG-NEW
Doc Date: 11/04/1926
Status: None
Doc Version: None
AKA Address: None
Project Name: None
Disaster ID: None
Subject: None
Product Name: None
Manufacturer's Name: None
Expired Date: None
Receipt Number: None
Case Number: None
Scan Number: None
Dwelling Units: None
Comments: This document shows the following information: Type Const 1 = D; S tories = 1.

Property Address(es)
710 E 49TH

Legal Description(s)
Tract:
Block: **Lot:** **Arb:**
Modifier: **Map Reference:**

District Offices(s)
LA

Film RBF
Type: HIST P1166; 002; 1044

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Van Nuys - 6262 Van Nuys Blvd, 2nd Floor Van Nuys CA 91401

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DEPARTMENT OF BUILDING AND SAFETY

January 13, 2022

Document Report

Documents

Digital Image {fb39df44-f5da-43a6-aaa7-f6af8db341a9}

Document Number(s)
1927LA00822

Record Description
Record ID: 53067211
Doc Type: BUILDING PERMIT
Sub Type: BLDG-NEW
Doc Date: 01/11/1927
Status: ISSUED
Doc Version: None
AKA Address: None
Project Name: None
Disaster ID: None
Subject: None
Product Name: None
Manufacturer's Name: None
Expired Date: None
Receipt Number: None
Case Number: None
Scan Number: 5001012200900000822
Dwelling Units: None
Comments: NEW PVT GARAGE.

Property Address(es)
732 E 49TH ST

Legal Description(s)
Tract: MC PLACE TR
Block: C **Lot:** 15 **Arb:**
Map Reference: Modifier:

Film RBF
Type: IDIS P5171; 00822; 0000 thru P5171; 0001
Type: HIST P1168; 001; 1643

Primary Use
PRIVATE GARAGE/CARPORT

****

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Locations: Metro - 201 N. Figueroa St., 1st Floor Rm. 110, Los Angeles CA 90012
Van Nuys - 6262 Van Nuys Blvd, 2nd Floor Van Nuys CA 91401

All Applications Must be Filled Out by Applicant

PLANS AND SPECIFICATIONS and other data must also be filed

Bldg. Form 2

BUILDING DIVISION

2 DEPARTMENT OF BUILDING AND SAFETY

Application for the Erection of Frame Buildings

CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO ROOM No. 6 REAR OF NORTH ANNEX 1st Floor

CITY CLERK PLEASE VERIFY

TAKE TO FIRST FLOOR 242 SO. BROADWAY

ENGINEER PLEASE VERIFY

Lot No. 15 Block 6 (Description of Property)

Vac. Place Tract

District No. ..... M. B. Page ..... F. B. Page .....

No. 732 E 49 St Street (Location of Job)

Between Mc Kinley + Avalon

O. K. City Clerk By ..... Deputy

O. K. City Engineer By ..... Deputy

(USE INK OR INDELIBLE PENCIL)

PVT

1. Purpose of Building Garage No. of Rooms 6 No. of Families ....
2. Owner's name Mrs Jennie A Callaway Phone ....
3. Owner's address 732 E 49 St
4. Architect's name ..... Phone ....
5. Contractor's name A M Wilson Phone ....
6. Contractor's address 613 W 54 St
7. VALUATION OF PROPOSED WORK (Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.) $ 300.00
8. Is there any existing building or permit for a building on lot? no How used? 7 room Bungalow
9. Size of proposed building 18 x 50 Height to highest point 9 feet
10. Number of Stories in height 1 Character of ground Sandy Loam
11. Material of foundation Redwood Size of footings ..... Size of wall ..... Depth below ground .....
12. Material of chimneys ..... Number of inlets to flue ..... Interior size of flues ..... x .....
13. Material of exterior walls Wood
14. Give sizes of following materials: REDWOOD MUDSILLS 2 x 6 Girders ..... x .....
EXTERIOR studs 1 x 4 INTERIOR BEARING studs 1 x 4 Interior Non-Bearing studs
1 x 4 Ceiling joists 2 x 4 Roof rafters 2 x 4 FIRST FLOOR JOISTS ..... x .....
Second floor joists ..... x ..... Specify material of roof 3 Ply Asph Paper
15. Will all provisions of State Housing Act be complied with? yes

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Contruction will be complied with, whether herein specified or not.

915

(Sign Here) A M Wilson (Owner or Authorized Agent.)

OVER

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Stamp here when permit is issued
822	A. J. Plan Examiner	Clerk	ISSUED JAN 11 1927 LOS ANGELES

12 [illegible]

P1

13

FOR DEPARTMENT USE ONLY

APPLICATION	O. K. AFM
CONSTRUCTION	O. K. A.F.M.
ZONING	O. K.
SET-BACK LINE	O. K.
ORD. 33761 (N. S.)	O. K.
FIRE DISTRICT	O. K. AFM

REMARKS

All Applications Must be Filled Out by Applicant

PLANS AND SPECIFICATIONS and other data must also be filed

Bldg. Form 2

BUILDING DIVISION

2 DEPARTMENT OF BUILDING AND SAFETY

Application for the Erection of Frame Buildings

CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO ROOM No. 6 REAR OF NORTH ANNEX 1st Floor

CITY CLERK PLEASE VERIFY

Lot No. 15 Block C

(Description of Property)

N. Kirkley Place

District No. 15 M. B. Page 5 F. B. Page 157

O. K. City Clerk By Deputy

TAKE TO FIRST FLOOR 242 SO. BROADWAY

ENGINEER PLEASE VERIFY

No. 734 E 49th Street

(Location of Job)

N. Kirkley & Avalon Blvd

O. K. City Engineer By Deputy

(USE INK OR INDELIBLE PENCIL)

1. Purpose of Building Residence No. of Rooms 6½ No. of Families 1
2. Owner's name Mrs Jimmie Callaway Phone AX 3967
3. Owner's address 732 E 49th st
4. Architect's name T. Fenstra Phone AX 0483
5. Contractor's name W F Fraser Phone AX 3967
6. Contractor's address 732 E 49 St
7. VALUATION OF PROPOSED WORK (Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.) $ 2500.00
8. Is there any existing building or permit for a building on lot? Yes How used? Apartment House
9. Size of proposed building 32 x 38 Height to highest point 14 feet
10. Number of Stories in height 1 Character of ground
11. Material of foundation Conc Size of footings 12½ x 12 Size of wall 12 Depth below ground 6"
12. Material of chimneys Brick Number of inlets to flue Interior size of flues x
13. Material of exterior walls Stucco on Frame
14. Give sizes of following materials: REDWOOD MUDSILLS 2 x 6 Girders 4 x 4
EXTERIOR studs 2 x 4 INTERIOR BEARING studs 2 x 4 Interior Non-Bearing studs 2 x 3 Ceiling joists 2 x 4 Roof rafters 2 x 6 FIRST FLOOR JOISTS 2 x 6
Second floor joists x Specify material of roof Comp 3 ply
15. Will all provisions of State Housing Act be Complied with? Yes

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Contruction will be complied with, whether herein specified or not.

OVER 5/26/27 315 (Sign Here) Mrs Callaway W F Fraser (Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Stamp here when permit is issued
15031	Plan Examiner	Clerk	ISSUED MAY 26 1927 LOS ANGELES L.A. Bldg. Dept.

PLANS PERMIT CHECKED

1 w 1 story & basement 675

OK

FOR DEPARTMENT USE ONLY

APPLICATION	O. K.
CONSTRUCTION	O. K.
ZONING	O. K.
SET-BACK LINE	O. K.
ORD. 33761 (N. S.)	O. K.
FIRE DISTRICT	O. K.

REMARKS

There will be an unobstructed passageway, at least 10 feet wide, extending from any dwelling on lot to a public street, or to a public alley at least 10 feet in width

Owner or Authorized Agent

Jennie Calloway

1

APPLICATION TO CONSTRUCT NEW BUILDING AND FOR CERTIFICATE OF OCCUPANCY

Form B-1

CITY OF LOS ANGELES — DEPT. OF BUILDING AND SAFETY

INSTRUCTIONS: 1. Applicant to Complete Numbered Items Only. 2. Plot Plan Required on Back of Original.

SEWER (Available) (Not Available)

1. LEGAL LOT: ~~X~~ 19 | BLK.: C9 | TRACT: Mc Kinley Place | DIST. MAP: 7260

JOB ADDRESS: 716 E. 49th St. | APPROVED | ZONE: R-3-1

2. BETWEEN CROSS STREETS: Avalon Blvd. AND Mc Kinley Ave. | FIRE DIST.

3. PURPOSE OF BUILDING: Patio roof | INSIDE X | KEY

4. OWNER: George Smith | PHONE | COR. LOT | REV. COR.

5. OWNER'S ADDRESS: Above | P. O. | ZONE: L. A. 11 | LOT SIZE: 50 x 165

6. CERT. ARCH. | STATE LICENSE | PHONE

7. LIC. ENGR. | STATE LICENSE | PHONE | REAR ALLEY | SIDE ALLEY

8. CONTRACTOR: John B. Rodgers | STATE LICENSE: 136171 AD 40104 | PHONE | BLDG. LINE

9. CONTRACTOR'S ADDRESS: 3624 S. Broadway | P. O. | ZONE: L. A. 7 | AFFIDAVITS

10. SIZE OF EXISTING BLDG.: 12 x 18 | STORIES: - 10' | NO. OF EXISTING BUILDINGS ON LOT AND USE: 2-Dwelling & garage

1 716 E. 49th St. | DISTRICT OFFICE: L. A.

CRITICAL SOIL

11. MATERIAL ☐ WOOD ☐ METAL ☐ CONC. BLOCK — EXT. WALLS: ☐ STUCCO ☐ BRICK ☐ CONCRETE | ROOF CONST. ☒ WOOD ☐ STEEL ☐ CONC. ☐ OTHER | ROOFING: compo | SPRINKLERS REQ'D. SPECIFIED

12. VALUATION: TO INCLUDE ALL FIXED EQUIPMENT REQUIRED TO OPERATE AND USE PROPOSED BUILDING. $ 240.00 | BLDG. AREA

~~for [illegible] 680~~

VALUATION APPROVED | DWELL. UNITS

APPLICATION CHECKED: Nora | PARKING SPACES

PLANS CHECKED | GUEST ROOMS

CORRECTIONS VERIFIED | FILE WITH

PLANS APPROVED | CONT. INSP.

APPLICATION APPROVED | INSPECTOR

I certify that in doing the work authorized hereby I will not employ any person in violation of the Labor Code of the State of California relating to workmen's compensation insurance.

Signed John B Rodgers

This Form When Properly Validated is a Permit to Do the Work Described.

TYPE	GROUP	MAX. OCC.	P.C.	S.P.C.	G.P.I.	B.P.	I.F.	O.S.	C/O
V	12					2.50			

CASHIER'S USE ONLY

LA57900 APR-12-60 21681 B — 1 CK 2.50

P.C. No. ..... GRADING ..... CRIT. SOIL ..... CONS. .....

LEGAL DESCRIPTION

[illegible] [illegible] B — [illegible] [illegible]

ON PLOT PLAN SHOW ALL BUILDINGS ON LOT AND USE OF EACH

SEE GARAGE APPLICATION

1

APPLICATION TO CONSTRUCT NEW BUILDING AND FOR CERTIFICATE OF OCCUPANCY

Form B-1

CITY OF LOS ANGELES — DEPT. OF BUILDING AND SAFETY

INSTRUCTIONS: 1. Applicant to Complete Numbered Items Only. 2. Plot Plan Required on Back of Original.

1. LEGAL LOT: 19	BLK.: C	TRACT: McKinley Place.		DIST. MAP: 726O
JOB ADDRESS: 716 E. 49 Street 716 E. 49th St.			APPROVED: JR	ZONE: R-3-1
2. BETWEEN CROSS STREETS: Avalon Blvd. AND McKinley Ave.				FIRE DIST.
3. PURPOSE OF BUILDING: Garage				INSIDE KEY
4. OWNER: George Smith		PHONE: Ad. 1-6168		COR. LOT / REV. COR.
5. OWNER'S ADDRESS: 716 E. 49th St.	P.O.: Los Angeles 11	ZONE		LOT SIZE: 50 X 165
6. CERT. ARCH.: None		STATE LICENSE	PHONE	
7. LIC. ENGR.: None		STATE LICENSE	PHONE	REAR ALLEY / SIDE ALLEY
8. CONTRACTOR: John B. Rodgers		STATE LICENSE: 136171	PHONE: Ad. 4-0104	BLDG. LINE
9. CONTRACTOR'S ADDRESS: 3624 S. Broadway	P.O.: L.A. 7	ZONE		AFFIDAVITS
10. SIZE OF NEW BLDG. STORIES HEIGHT: 20' x 24' One 12'	NO. OF EXISTING BUILDINGS ON LOT AND USE: One-Dwelling			

1 716 East 49th St — DISTRICT OFFICE

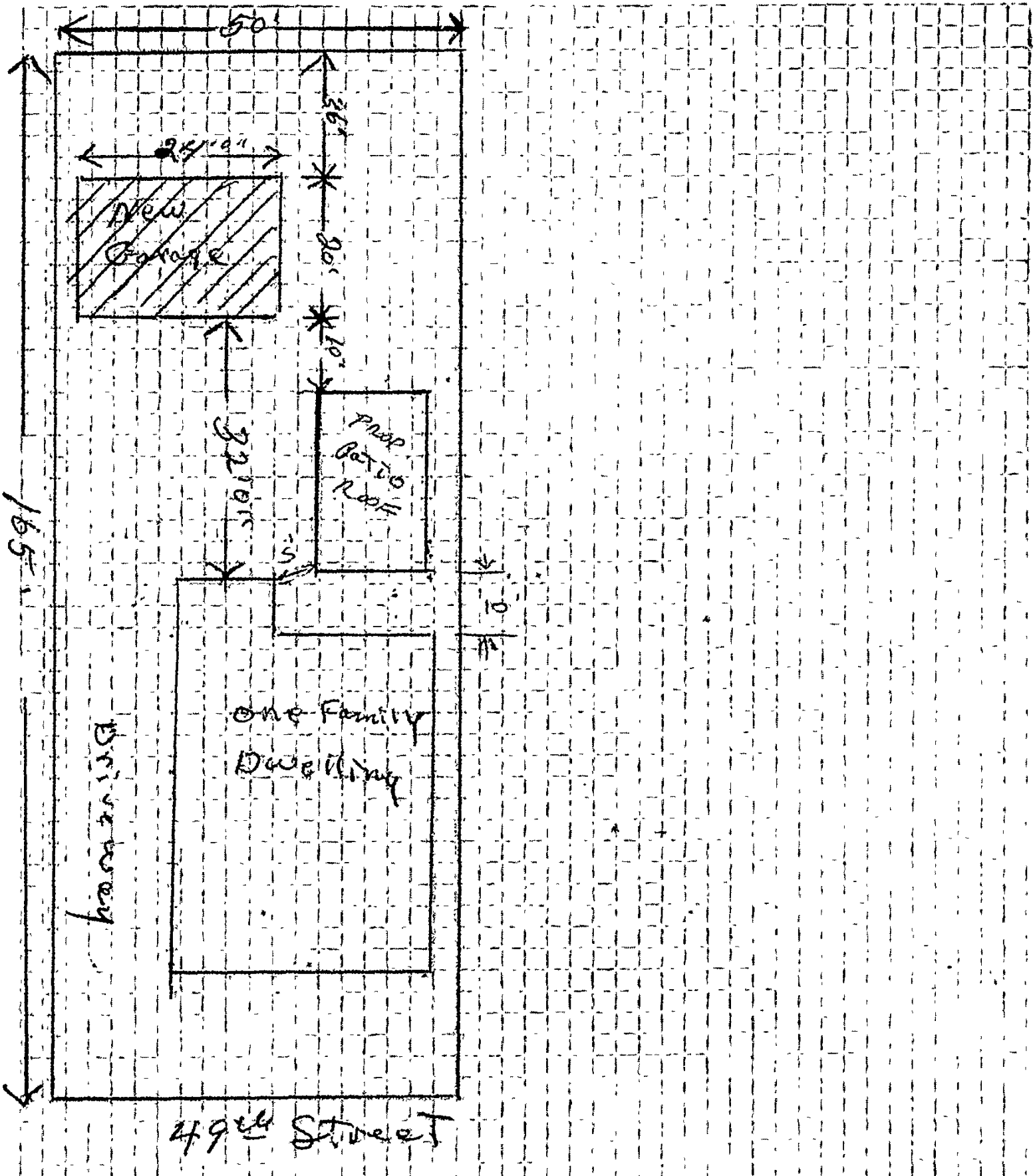
11. MATERAL EXT. WALLS: ☒ WOOD ☐ METAL ☐ CONC. BLOCK ☐ STUCCO ☐ BRICK ☐ CONCRETE	ROOF CONST. ☒ WOOD ☐ STEEL ☐ CONC. ☐ OTHER	ROOFING: Compo	SPRINKLERS REQ'D. SPECIFIED
12. VALUATION: TO INCLUDE ALL FIXED EQUIPMENT REQUIRED TO OPERATE AND USE PROPOSED BUILDING. $ 1,440.00			BLDG. AREA: 480
Approval of driveway location must be obtained from the Department of Public Works before securing Building Permit.	VALUATION APPROVED		DWELL. UNITS
	APPLICATION CHECKED: Ron		PARKING SPACES
I certify that in doing the work authorized hereby I will not employ any person in violation of the Labor Code of the State of California relating to workmen's compensation insurance.	PLANS CHECKED: Ron		GUEST ROOMS
	CORRECTIONS VERIFIED		FILE WITH
John B. Rodgers — SIGNED	PLANS APPROVED		CONT. INSP.
This Form When Properly Validated is a Permit to Do the Work Described.	APPLICATION APPROVED		INSPECTOR

TYPE	GROUP	MAX. OCC.	P.C.	S.P.C.	B.P.	I.F.	O.S.	C/O
V	R				8.00			

VALIDATION — CASHIER'S USE ONLY

LA57911 APR-12-60 21682 B — 1 CK 8.00

PLOT PLAN SHOWING ALL BUILDINGS ON LOT AND USE OF EACH



All applications must be filled out by applicant

WARD 6

PLANS AND SPECIFICATIONS and other data must also be filed

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

3

Application to Alter, Repair or Demolish

To the Board of Public Works of the City of Los Angeles:

Application is hereby made to the Board of Public Works of the City of Los Angeles, through the office of the Chief Inspector of Buildings, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO ROOM No. 6 FIRST FLOOR

ASSESSOR PLEASE VERIFY

REMOVED FROM	REMOVED TO
Lot 15 Block C	Lot 15 Block C
Tract McKinley Place	Tract McKinley Place
Book 15 Page 5 F. B. Page 141	Book 15 Page 5 F. B. Page 141

O. K. City Assessor By [signature] Deputy

TAKE TO ROOM No. 34 THIRD FLOOR

ENGINEER PLEASE VERIFY

From No. 732 E 49th Street

To No. Street

O. K. City Engineer By Deputy

(USE INK OR INDELIBLE PENCIL)

1. What Purpose is the present Building used for? Resident
2. Owner's name P. A. Klassen Phone S2589
3. Owner's address 732 E 49th St.
4. Architect's name P A Klassen Phone "
5. Contractor's name " " " Phone "
6. Contractor's address 732 E 49th St.
7. ENTIRE COST OF PROPOSED WORK {Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, etc.} $ 1200.00
8. Class of Present Building frame No. of Rooms at present 3
9. No. of stories in height One Size of present building 22 x 26

STATE ON FOLLOWING LINES JUST WHAT YOU WANT TO DO.

Wreck present bulding and use what lumber is fit in new building

This is to demolish & rebuild with additional materials into a 2 story 9 room fr. res.

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Building Ordinances will be complied with, whether herein specified or not.

OVER

(Sign here) P A Klassen (Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and specifications checked and found to conform to Ordinances, State Laws, etc. (Use Ink)	Application checked and found O. K. (Use Rubber Stamp)	Stamp here when permit is issued
5177	Plan Examiner.	MAR 12 1914 C.W. Clerk.	ISSUED MAR 12 1914 L.A.B.E. Dept.

1 & Buccer 3 40

FILL IN ALL BLANKS THAT APPLY TO WORK PROPOSED TO BE DONE, OR TO ASCERTAIN IF SAME CAN BE DONE.

10 Size of new addition 30 x 36 No. of Stories in height 2 - 9 rooms

11 Material of foundation Brick Size footings 16 in. Size wall 8 in. Depth below ground 12 in.

12 Size of Redwood Mudsills 2 x 6 Size of exterior studs 2 x 4

13 Size of interior bearing studs 2 x 4 Size of interior non-bearing studs 2 x 3

14 Size of first floor joist 2 x 6 Second floor joist 2 x 8

15 Specify Number of Plumbing Fixtures to be installed 7 Number of gas outlets 9

16 Specify if there is a sewer or cesspool to be constructed on this lot? Sewer
(No cesspools allowed where there is a street sewer)

17 Plumbing and gas fitting contractor's name Not Let

I have carefully examined and read the above blank and know the same is true and correct, and that all provisions of the Building Ordinance will be complied with, whether herein specify or not,

(Sign here) P. A. Klassen
(Owner or Authorized Agent.)

All Applications must be filled out by Applicant

Bldg. Form 3

PLANS AND SPECIFICATIONS and other data must also be filed

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

3

Application to Alter, Repair or Demolish

To the Board of Public Works of the City of Los Angeles:

Application is hereby made to the Board of Public Works of the City of Los Angeles, through the office of the Chief Inspector of Buildings, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

	REMOVED FROM	REMOVED TO
TAKE TO REAR OF NORTH ANNEX 1st FLOOR	Lot 11 Block C	Lot 14 Block C
CITY CLERK PLEASE VERIFY	Tract McKinley Place	Tract McKinley Place
	Book 5 Page 5 F. B. Page	Book 5 Page 5 F. B. Page
TAKE TO ROOM No. 405 SOUTH ANNEX ENGINEER PLEASE VERIFY	From No. 748 E 49th St — } So Park & McKinley Street	
	To No. 743 E 50th St — } So Park & McKinley Street	

O.K. City Clerk By Deputy

O.K. City Engineer By Deputy

(USE INK OR INDELIBLE PENCIL)

1. What purpose is the present Building now used for? ~~Family~~ Res. 1 family
2. What purpose will Building be used for hereafter? 2 Dwelling 1 11
3. Owner's name J. P. Kastelens Phone None
4. Owner's address 9711 E. 50 St.
5. Architect's name Phone
6. Contractor's name Phone
7. Contractor's address
8. VALUATION OF PROPOSED WORK (Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.) $ 750.00
9. Class of present Building D No. of rooms at present 4
10. Number of stories in height 1 Size of present Building 28 x 30
11. State how many buildings are on this lot 1 Family
12. State purpose buildings on lot are used for 1 Dwelling & Garage (Tenement House, Hotel, Residence, or any other purpose.)

STATE ON FOLLOWING LINES EXACTLY WHAT ALTERATIONS, ADDITIONS, ETC., WILL BE MADE TO THIS BUILDING:

To remove Building from Lot 11 McKinley Place to E½ of Lot 14 McKinley Place for Dwelling

To erect new foundation & add new front porch

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign here) [signature]
(Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Stamp here when permit is issued
30089	Plan Examiner	7/3/23 Clerk	ISSUED JUL 3 1923 LOS ANGELES

Ord. No. [illegible]

25-0

13. Size of new addition 8 X 16 Screen Porch x No. of Stories in height 1

14. Material of foundation Redwood Mudsill Size footings Size wall Depth below ground

15. Size of Redwood Mudsills 2 X 6 x Size of interior bearing studs 2 X 3 x

16. Size of exterior studs ✓ x 3 Size of interior non-bearing studs x

17. Size of first floor joists 2 X 6 x Second floor joists ✓ x

18. Will all provisions of State Dwelling House Act be complied with? Yes

I have carefully examined and read the above blank and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

(Sign here) J. E. Carlyle
(Owner or Authorized Agent)

FOR DEPARTMENT USE ONLY

APPLICATION	O. K.
CONSTRUCTION	O. K.
ZONING	O. K.
SET-BACK LINE	O. K.
ORD. 33761 (N. S.)	O. K.
FIRE DISTRICT	O. K.

REMARKS

I hereby agree to locate and erect this building or structure and every portion thereof, except unenclosed porches, back a distance from the front property line equal to the set-back line of the nearest building now erected on any lot in this block in Zone "A" or "B" on the same side of the street.

J. R. Hutchens
Owner.

No Nissary windows will be Covered

— J R Hutchens
By
J E Carlyle

All Applications must be filled out by Applicant

Bldg. Form 3

PLANS AND SPECIFICATIONS and other data must also be filed

3

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

Application to Alter, Repair or Demolish

To the Board of Public Works of the City of Los Angeles:

Application is hereby made to the Board of Public Works of the City of Los Angeles, through the office of the Chief Inspector of Buildings, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

	REMOVED FROM	REMOVED TO
TAKE TO ROOM No. 6 REAR OF NORTH ANNEX 1st FLOOR	Lot 13 Block C	Lot 20 Block D
	Tract McKinley Place	Tract Hicks & Hamilton's Urban Park Tract
CITY CLERK PLEASE VERIFY		O. K. City Clerk By Deputy
TAKE TO ROOM No. 405 SOUTH ANNEX	Book 15 Page 53 F. B. Page	Book 14 Page 2 F. B. Page
ENGINEER PLEASE VERIFY	From No. 740 E. 49th Street	Street
	To No. 1327 Easterly to Compton Ave & Hooper Ave	Street

O. K. City Engineer By Deputy

(USE INK OR INDELIBLE PENCIL)

1. What purpose is the present Building now used for? 1 family dwelling
2. What purpose will Building be used for hereafter? 1 family dwelling
3. Owner's name C F Clarkson Phone
4. Owner's address 1155 E. 58th Pl. Phone
5. Architect's name Phone
6. Contractor's name Los Angeles House Mov Co Phone Hu 0925
7. Contractor's address 328 S. Central Ave
8. VALUATION OF PROPOSED WORK (Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.) $ 200.00
9. Class of present Building Dwelling No. of rooms at present 5 R
10. Number of Stories in height One Size of present Building 25 x 45
11. State how many buildings are on this lot None
12. State purpose buildings on lot are used for Dwelling (Apartment House, Hotel, Residence, or any other purpose.)

STATE ON FOLLOWING LINES EXACTLY WHAT ALTERATIONS, ADDITIONS, ETC., WILL BE MADE TO THIS BUILDING:

Jacking up & installing foundations

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign here) C. F. Clarkson (Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Stamp here when permit is issued.
35449	Plan Examiner	10/15/25 Clerk	

Issued 10/15/25

Maintenance Bldg

13. Size of new addition None x No. of Stories in height

14. Material of foundation Size footings Size wall Depth below ground

15. Size of Redwood Mudsills x Size of interior bearing studs x

16. Size of exterior studs x Size of interior non-bearing studs x

17. Size of first floor joists x Second floor joists x

18. Will all provisions of State Housing Act be complied with? Yes

I have carefully examined and read the above blank and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

(Sign here) C. F. Clendenon
(Owner or Authorized Agent)

FOR DEPARTMENT USE ONLY

APPLICATION	O. K.
CONSTRUCTION	O. K.
ZONING	O. K.
SET-BACK LINE	O. K.
ORD. 33761 (N. S.)	O. K.
FIRE DISTRICT	O. K.

REMARKS

I hereby agree to locate and erect this building or structure and every portion thereof, except unenclosed porches, back a distance from the front property line equal to the set-back line of the nearest building now erected on any lot in this block in Zone "A" on the same side of the street.

Owner.

All Applications Must be Filled Out by Applicant

Bldg. Form 3

PLANS AND SPECIFICATIONS and other data must also be filed

BUILDING DIVISION

3 DEPARTMENT OF BUILDING AND SAFETY

Application to Alter, Repair or Demolish

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

	REMOVED FROM	REMOVED TO
TAKE TO ROOM No. 6 REAR OF NORTH ANNEX 1st Floor CITY CLERK PLEASE VERIFY	Lot 4 Block 8 Tract Wallace Street Subdivision of Block 8	Lot 21 Block C Tract McKinley Place Book 5 Page 19
TAKE TO FIRST FLOOR 242 SO. BROADWAY ENGINEER PLEASE VERIFY	Book 11 Page 5 F. B. Page 214 From No. 760 Stanford Ave Street To No. 708-12-720½ E. 49th Street Bet. McKinley & Avalon Blvd	Book 15 Page 5 F. B. Page 158

O. K. City Clerk By [illegible] Deputy

O. K. City Engineer By [illegible] Deputy

(USE INK OR INDELIBLE PENCIL)

1. What purpose is the present Building now used for? ~~Dwelling~~ 4 family Apt. House
2. What purpose will Building be used for hereafter? Same
3. Owner's name W. R. Grelck Phone
4. Owner's address 670 E 49
5. Architect's name Phone
6. Contractor's name John W. Aykroyd Phone Drexel 2494
7. Contractor's address 1056 No Bonnie Brae
8. VALUATION OF PROPOSED WORK (Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all labor, etc.) $ 6000.00
9. Class of present Building Frame D No. of rooms at present 12
10. Number of stories in height 2 Size of present Building 32 x 56
11. State how many buildings are on this lot 2
12. State purpose buildings on lot are used for Wash room and shed (Apartment House, Hotel, Residence, or any other purpose.)

STATE ON FOLLOWING LINES EXACTLY WHAT ALTERATIONS, ADDITIONS, ETC., WILL BE MADE TO THIS BUILDING Bldg. Move one room addition to one flat. Remove partitions and extend living room in each flat to include present front porch. Stucco Exterior. New light fixtures additional wardrobes new plumbing fixtures composition baths throughout, oak floors, tile sinks, kitchen cupboards, wall beds, additional light outlets, Painting Etc.

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER 10/21/30

(Sign here) John W. Aykroyd (Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Issued this date when permit is filed
31332	Plan Examiner	Clerk	ISSUED OCT 26 1926 LOS ANGELES CALIF.

PLANS

12 cc

13. Size of new addition 13 x 16 No. of Stories in height One

14. Material of foundation Concrete Size footings 12 Size wall 6" Depth below ground 6"

15. Size of Redwood Mudsills 2 x 6 Size of interior bearing studs 2 x 4

16. Size of exterior studs 2 x 4 Size of interior non-bearing studs 2 x 4

17. Size of first floor joists 2 x 6 Second floor joists None x

18. Will all provisions of State Housing Act be complied with? Yes

I have carefully examined and read the above blank and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

(Sign here) John W. Aykroyd
(Owner or Authorized Agent)

FOR DEPARTMENT USE ONLY

APPLICATION	O. K.
CONSTRUCTION	O. K.
ZONING	O. K.
SET-BACK LINE	O. K.
ORD. 33761 (N. S.)	O. K.
FIRE DISTRICT	O. K.

REMARKS

Bldg. Form 3

USE INK OR INDELIBLE PENCIL

3

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

Application to Alter, Repair, Move or Demolish

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

REMOVED FROM	REMOVED TO
Lot Lot 15 McKinley Place Blk C	Lot One (1) Strong and Dickinson's Central ave
Tract	Tract

Present location of building: 732 E 49th (House Number and Street)

New location of building: 4916 Central ave. (House Number and Street)

Between what cross streets: E 49th and E 50th

Approved by City Engineer: [signature] Deputy.

1. Purpose of PRESENT building Apartment House Families 7 Rooms 23 (Store, Residence, Apartment House, Hotel, or any other purpose)
2. Use of building AFTER alteration or moving Same Families 7 Rooms 23
3. Owner (Print Name) MARY BANKS Phone Ad 9189
4. Owner's Address 4922 Central ave.
5. Certificated Architect None State License No. Phone
6. Licensed Engineer None State License No. Phone
7. Contractor [illegible] State License No. 13415 Phone
8. Contractor's Address 3319 [illegible] Moving only
9. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and/or elevator equipment therein or thereon.) $500.00
10. State how many buildings NOW on lot and give use of each. None (Residence, Hotel, Apartment House, or any other purpose)
11. Size of existing building 30 x 60 Number of stories high 2 Height to highest point 24
12. Class of building D Material of existing walls Wood Exterior framework Wood (Wood or Steel)

Describe briefly and fully all proposed construction and work:

Building moved and put on new foundation and General repairs

Fill in Application on other Side and Sign Statement (OVER)

PERMIT NO.	FOR DEPARTMENT USE ONLY 7260			Fee 350
21923	Plans and Specifications checked	Zone C	Fire District No. 1	Stamp here when Permit is issued
	Corrections verified	Bldg. Line 100 Ft.	Street Widening Ft.	JUL -1 1937
PLANS	Plans, Specifications and Applications rechecked and approved [signature]	Application checked and approved 4/30/37 [signature] Clerk		
Rec'd	For Plans See / Filed with	SPRINKLER Required Valuation included / Specified Yes—No		Inspector [signature] #3

CERTIFICATE No. 60 2

PLANS, SPECIFICATIONS, and other data must be filed if required.

NEW CONSTRUCTION

Size of Addition None x Size of Lot ..... x ..... Number of Stories when complete 1

Material of Foundation Conc Width of Footing 16 Depth of footing below ground 12

Width Foundation Wall 8 Size of Redwood Sill ..... x ..... Material Exterior Walls .....

Size of Exterior Studs ..... x ..... Size of Interior Bearing Studs ..... x .....

Joists: First Floor ..... x ..... Second Floor ..... x ..... Rafters ..... x ..... Roofing Material .....

I have carefully examined and read both sides of this completed Application and know the same is true and correct and hereby certify and agree, if a Permit is issued, that all the provisions of the Building Ordinances and State Laws will be complied with whether herein specified or not; also certify that plans and specifications, if required to be filed, will conform to all of the provisions of the Building Ordinances and State laws.

Sign Here Mary Banks ←
(Owner or Authorized Agent)

By O. L. Banks

FOR DEPARTMENT USE ONLY 6-28-57			
Application	Fire District	Bldg. Line	Termite Inspection .....
Construction	Zoning	Street Widening	Forced Draft Ventil. .....

(1) REINFORCED CONCRETE

Barrels of Cement .....

Tons of Reinforcing Steel .....

(2) The building (and, or, addition) referred to in this Application is, or will be when moved, more than 100 feet from

..... Street

Sign Here .....
(Owner or Authorized Agent)

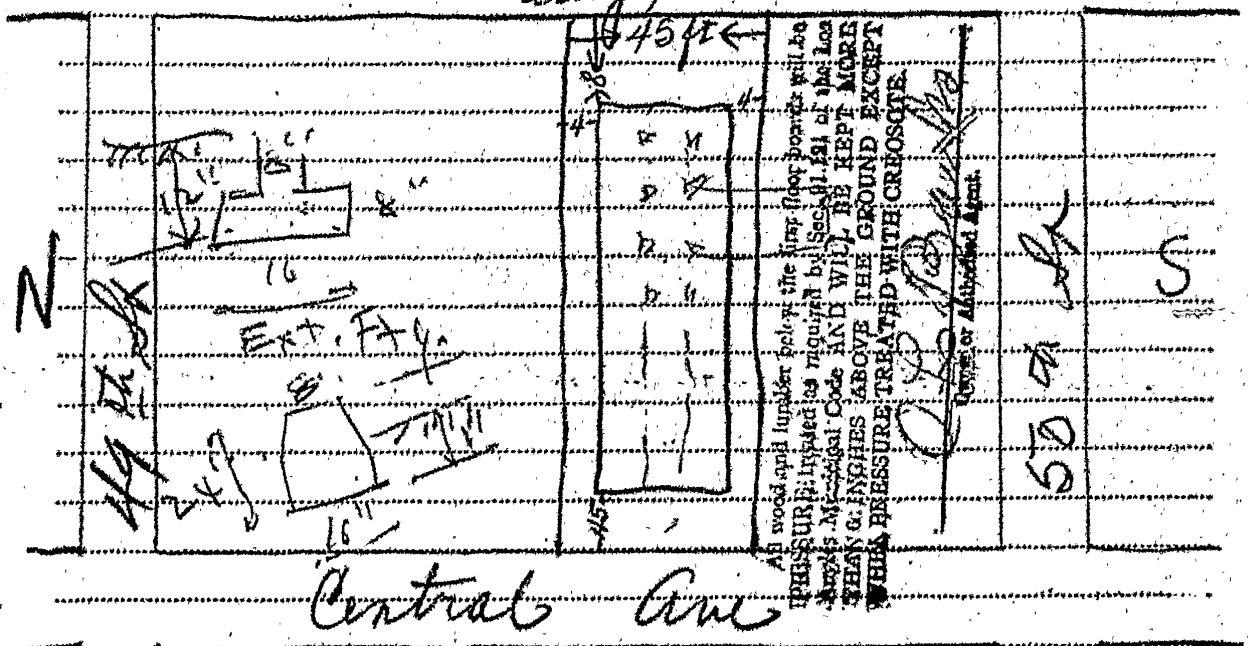
(3) No required windows will be obstructed.

Sign Here O. L. Banks
(Owner or Authorized Agent)

(4) There will be an unobstructed passageway at least ten (10) feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign Here .....
(Owner or Authorized Agent)

REMARKS: E



I hereby certify that there is no general contractor for this building or work.

(Signed) O. L. Banks

2

Application for Relocation of Building AND FOR A Certificate of Occupancy

Form B-2

CITY OF LOS ANGELES
DEPARTMENT
OF
BUILDING AND SAFETY
BUILDING DIVISION

From Lot 17 Block 'G'	To Lot 25 Block 'C'
Tract Central Park Tract	Tract McKinley Place

Present location of building: 822 E 48TH ST (House Number and Street) (Bldg 'A')
New location of building: 690 E 49TH ST (House Number and Street)
Between what cross streets: Avalon & Mackinley

Approved by City Engineer
Deputy

USE INK OR INDELIBLE PENCIL

1. Present use of building: DWELLING (Store, Dwelling, Apartment House, Hotel or other purpose) Families: 1 Rooms: 4
2. Use of building AFTER Relocation: DWELLING Families: 1 Rooms: 4
3. Owner: JOHN WILLIAMS (Print Name) Phone: RE 36915
4. Owner's Address: 1053 S WILTON PL P. O.
5. Certificated Architect: State License No. Phone
6. Licensed Engineer: State License No. Phone
7. Contractor: State License No. Phone
8. Contractor's Address:
9. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and elevator equipment therein or thereon.) $2800.00 Jay [redacted]
10. State how many buildings now on new lot and give use of each: 1 - DWELLING (Store, Dwelling, Apartment House, Hotel or other purpose) **Show new Plot Plan on back of Application**
11. Size of building to be moved 22 x 36 Number of stories high 1 Height to highest point 12'
12. Material Exterior Walls: WOOD (Wood, Steel or Masonry) Exterior framework: WOOD (Wood or Steel)
13. Describe briefly all proposed construction and work:

NEW FOUNDATION - ALTERATIONS AS USED AFTER MOVING - PAINT EXTERIOR WILL REMOVE 6' PORCH BEFORE MOVING

Attach to Building a copy of the Plot Plan and Elevation

I certify that the issuance of this permit will not violate any deed restriction of record.

John D Williams
Owner
(MUST BE SIGNED BY OWNER)

NEW CONSTRUCTION

14. Size of Addition 4 x 8 Size of Lot 50 x 165 Number of Stories when complete 1
15. Footing: Width 12" Depth in Ground 12" Width of Wall 6" Size of Floor Joists 2 x 6
16. Size of Studs 2 x 4 Material of Floor Wood Size of Rafters 2 x 4 Type of Roofing Comp C

I hereby certify that to the best of my knowledge and belief the above application is correct and that this building or construction work will comply with all laws, and that in the doing of the work authorized thereby I will not employ any person in violation of the Labor Code of the State of California relating to Workmen's Compensation Insurance.

Sign here John D Williams (Owner or Authorized Agent)

District Office

By

FOR DEPARTMENT USE ONLY

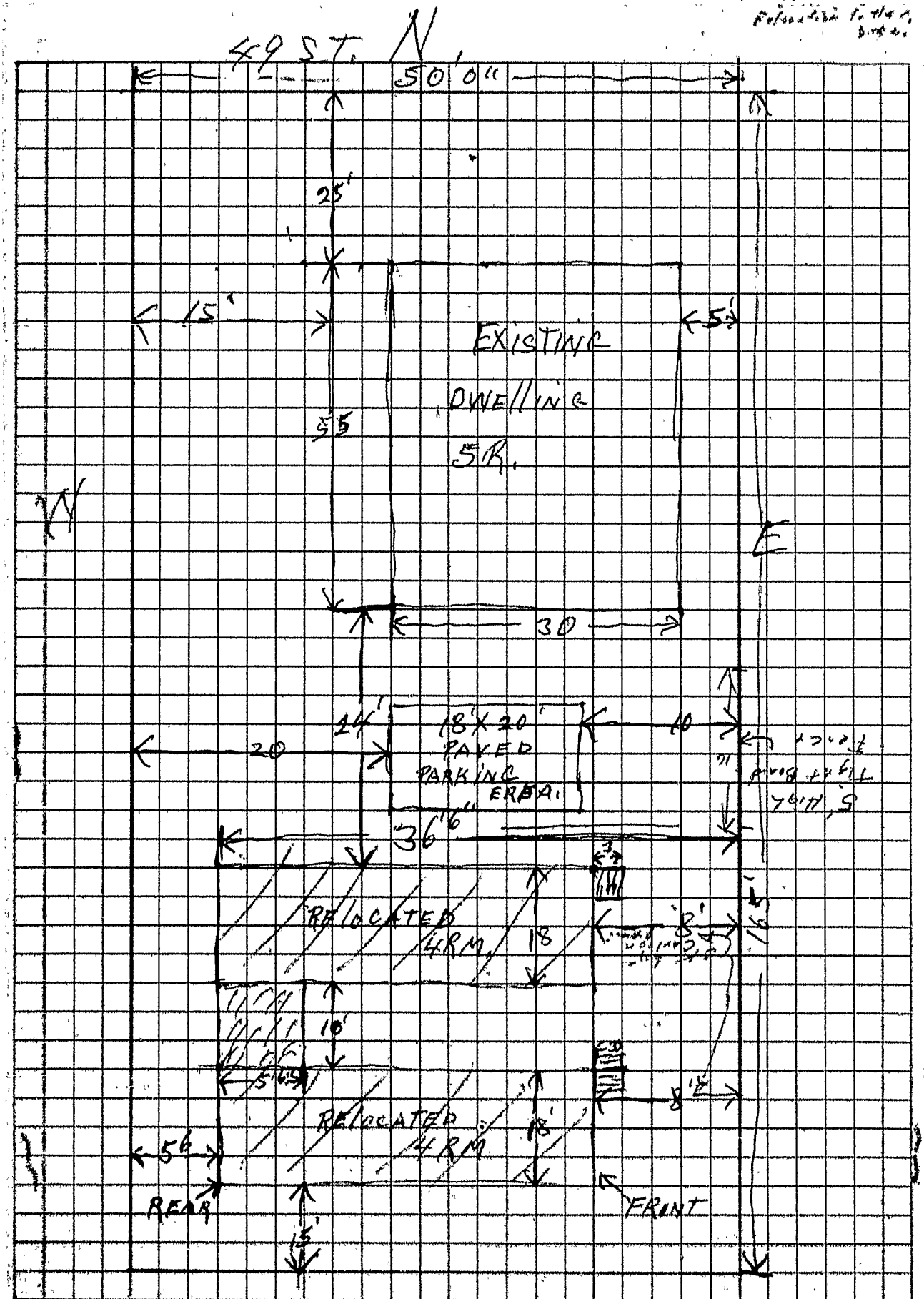
PLAN CHECKING	Date Approved 6/19/52	Surety Bond Posted	FEES
Valuation $		Date JUN 24 52	Investigation $
Fee $	Bond For $ 3500.00	Cash Bond Posted	Bldg. Permit $ 11.40
		Date	Total $

TYPE	Maximum No. Occupants / Inside Lot / Corner Lot	Key Sht. / Corner Lot Keyed	Lot Size 50X165	Ft. rear alley / Ft. side alley	Clerk
GROUP	Plans and Specifications checked	Zone R-3	Fire District No.	District Map No. 7260	
For Plans See	Correction Verified	Bldg. Line Ft.	Street Widening Ft.	Application checked and approved JUN 24 1952	Clerk
Filed with	Plans, Specifications and Application rechecked and approved	Sewer Capping Permit No. K-96523		Inspector	

DO NOT WRITE BELOW THIS LINE

TYPE OF RECEIPT	DATE ISSUED	TRACER NO. (M)	RECEIPT NO.	CODE	FEE PAID
Application Fee	JUN 18 52		1570		
Plan Checking					
Building Permit	JUN 25		LA38641		

O.K. [illegible] relocate
2 [illegible]
1 application
Relocation [illegible]



2 030-7 24272

APPLICATION TO RELOCATE BUILDING AND FOR CERTIFICATE OF OCCUPANCY

Certificate

CITY OF LOS ANGELES — DEPT. OF BUILDING AND SAFETY

DIST MAP	1. LEGAL FROM LOT	TRACT	TO LOT	TRACT
7260	11, Blk 8	Hollywood Ocean View	27 Blk C	McKinley Pl.

ZONE: R-3 — FIRE DIST: — INSIDE X — KEY: — COR. LOT: — REV. COR: — LOT SIZE: 50 x 165 — REAR ALLEY: — SIDE ALLEY: — BLDG. LINE: — AFFIDAVITS: — BLDG. AREA: 1260 — SPRINKLERS REQ'D. SPECIFIED:

2. PRESENT ADDRESS: 2132-34 N. Highland — APPROVED: RB

NEW ADDRESS: 686-88 East 49th Street Bldg # 1

3. PRESENT USE OF BLDG.: 2-fam. dwell. — USE AFTER RELOCATION: same

4. OWNER: ~~Jean~~ PEARL Williams

5. OWNER'S ADDRESS: 2346 Dunsmuir, Los Angeles 16

6. CERT. ARCH OR LIC. ENG.: c/o 1104 S. Western Ave., LA 6 — STATE LICENSE NUMBER:

7. CONTRACTOR: owner — STATE LICENSE NUMBER:

8. SIZE OF BLDG.: 35' x 36'2" — STORIES 2 — HEIGHT 24

9. MATERIAL OF EXTERIOR WALLS: ☐ WOOD ☐ METAL ☐ CONC. BLOCK ☒ STUCCO ☐ BRICK ☐ CONCRETE

10. NEW WORK (DESCRIBE):

2 686-88 East 49th Street

VALIDATION					
LA47566			MAY-25-56	53279	B 15 — CK $20.00
TYPE	GROUP	MAX. OCC.	JUN-29-56	60128	A — 2 CK 7.50
V	R	2-fam.	JUL-[illegible]-56	76503	B — 1 CK 12.00

DIST. OFFICE: L A

C. OF O. ISSUED:

DATE APPROVED: 6-8-56 $4000.00

BOND: ☐ CASH BOND ☒ SURETY BOND

DWELL. UNITS: 2

PARKING SPACES: 2

GUEST ROOMS:

FILE WITH:

CONT. INSP.:

SEWER CAP PER. 54398

11. VALUATION: TO INCLUDE ALL FIXED EQUIPMENT REQUIRED TO OPERATE AND USE PROPOSED BLDG. $ 3200.00

I certify that in doing the work authorized hereby I will not employ any person in violation of the Labor Code of the State of California relating to workmen's compensation insurance.

The issuance of this permit will not violate any deed restrictions of record.

The purchase of either site or building for relocation purposes until this application is approved is at my own risk.

This is an applicatioh only and does not guarantee approval. The building when relocated must be repaired so as not to be detrimental to property within 1000 feet of the new site.

Mrs John D. Williams
MUST BE SIGNED BY OWNER

This form when properly validated is a permit to do the work described.

VALUATION APPROVED: A. Golling

APPLICATION CHECKED: La Bire

PLANS CHECKED: Watanabe

CORRECTIONS VERIFIED: Watanabe

PLANS APPROVED: Watanabe

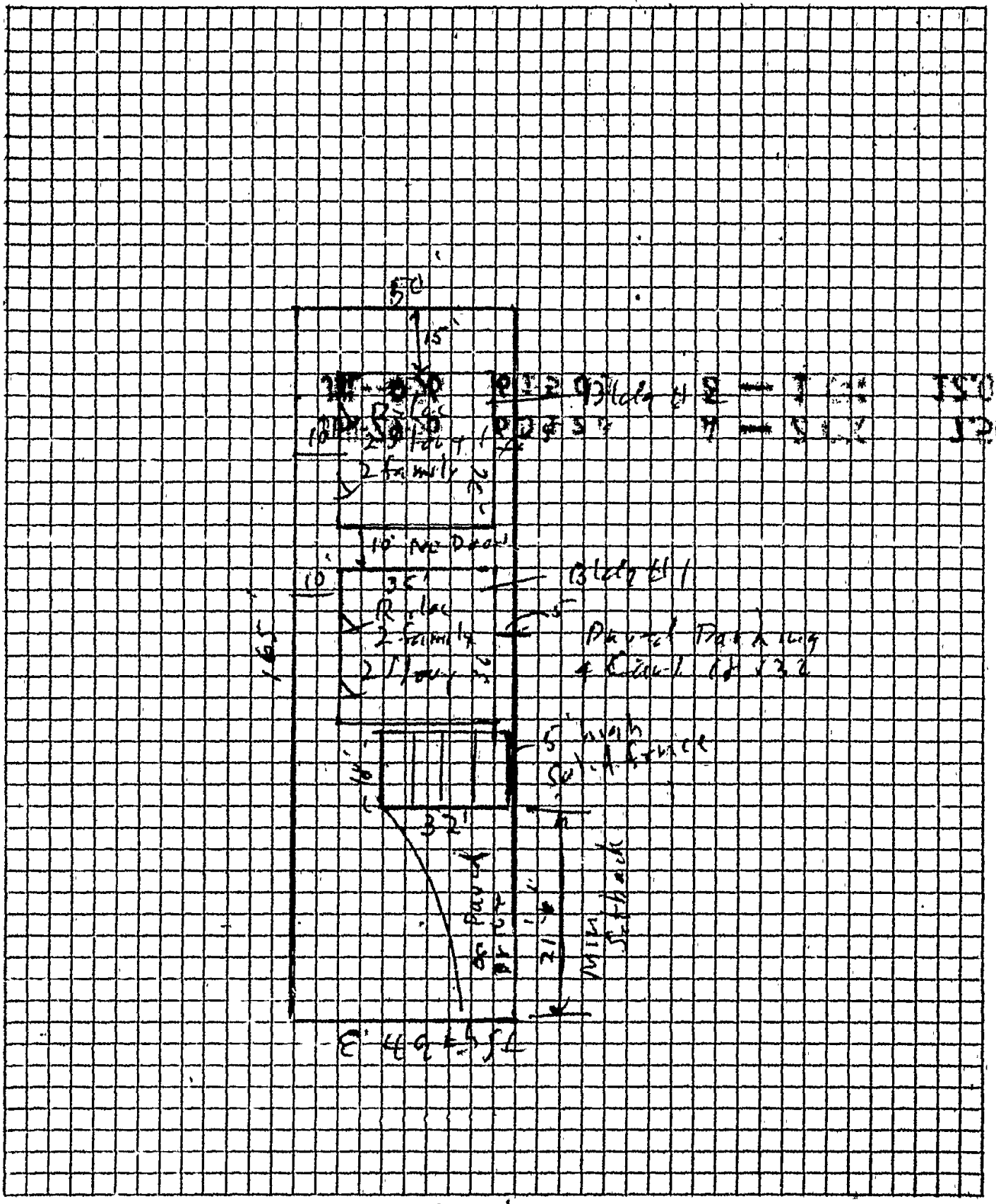
APPLICATION APPROVED: Raymond

FILE NUMBER: 1348

Form B-2

INSTRUCTIONS: 1. Applicant to Complete Numbered Items Only.
2. Plot Plan Required on Back of Original.

LEGAL DESCRIPTION



On Plot Plan Show all Buildings on Lot and Use of Each

2 030-2 242+2

APPLICATION TO RELOCATE BUILDING AND FOR CERTIFICATE OF OCCUPANCY

Corbett

CITY OF LOS ANGELES — DEPT. OF BUILDING AND SAFETY

DIST MAP: 7260	1. LEGAL FROM LOT: 11, Blk 8	TRACT: Hollywood Ocean View	TO LOT: 23	TRACT: McKinley Pl.
ZONE: R-3	2. PRESENT ADDRESS: 2122-24 N. Highland Blk C			APPROVED
FIRE DIST.	NEW ADDRESS: 700-2- East 49th Street Bldg #1			RB
INSIDE x KEY	3. PRESENT USE OF BLDG.: ~~John~~ 2-fam. dwell.	USE AFTER RELOCATION: same		
COR. LOT / REV. COR	4. OWNER: PEARL ~~John~~ Williams			
LOT SIZE: 50 x 165	5. OWNER'S ADDRESS: 2346 Dunsmuir, Los Angeles 16			
REAR ALLEY / SIDE ALLEY	6. CERT. ARCH OR LIC. ENG.	STATE LICENSE NUMBER		
BLDG. LINE	7. CONTRACTOR: owner	STATE LICENSE NUMBER		
AFFIDAVITS	8. SIZE OF BLDG.: 35' x 36'2"	STORIES 2	HEIGHT 24	
BLDG. AREA: 1260	9. MATERIAL OF EXTERIOR WALLS: ☐ WOOD ☒ STUCCO	☐ METAL ☐ BRICK	☐ CONC. BLOCK ☐ CONCRETE	
SPRINKLERS REQ'D. SPECIFIED	10. NEW WORK (DESCRIBE)			

2 700-2 East 49th Street

VALIDATION: LA47568

TYPE	GROUP	MAX. OCC.
V	R	2-fam.

DIST. OFFICE: L A

C. OF O. ISSUED:

MAY-25-56	53281	B 15 — CK	30.00
JUN-29-56	60125	A — 2 CK	7.50
JUL--9-56	61505	B 12-61 CK	12.60

DATE APPROVED 6-8-56 $4000.00 BOND ☐ CASH BOND ☒ SURETY BOND 7-6-56

DWELL. UNITS: 2

PARKING SPACES: 2

GUEST ROOMS

FILE WITH

CONT. INSP.

SEWER CAP PER. 54396

11. VALUATION: TO INCLUDE ALL FIXED EQUIPMENT REQUIRED TO OPERATE AND USE PROPOSED BLDG. $ 3200.00

I certify that in doing the work authorized hereby I will not employ any person in violation of the Labor Code of the State of California relating to workmen's compensation insurance.

The issuance of this permit will not violate any deed restrictions of record.

The purchase of either site or building for relocation purposes until this application is approved is at my own risk.

This is an application only and does not guarantee approval. The building when relocated must be repaired so as not to be detrimental to property within 1000 feet of the new site.

Mrs John D. Williams

MUST BE SIGNED BY OWNER

This form when properly validated is a permit to do the work described.

VALUATION APPROVED: A. Golling

APPLICATION CHECKED: La Bire

PLANS CHECKED: Natanhara

CORRECTIONS VERIFIED: Natanhara

PLANS APPROVED: Natanhara

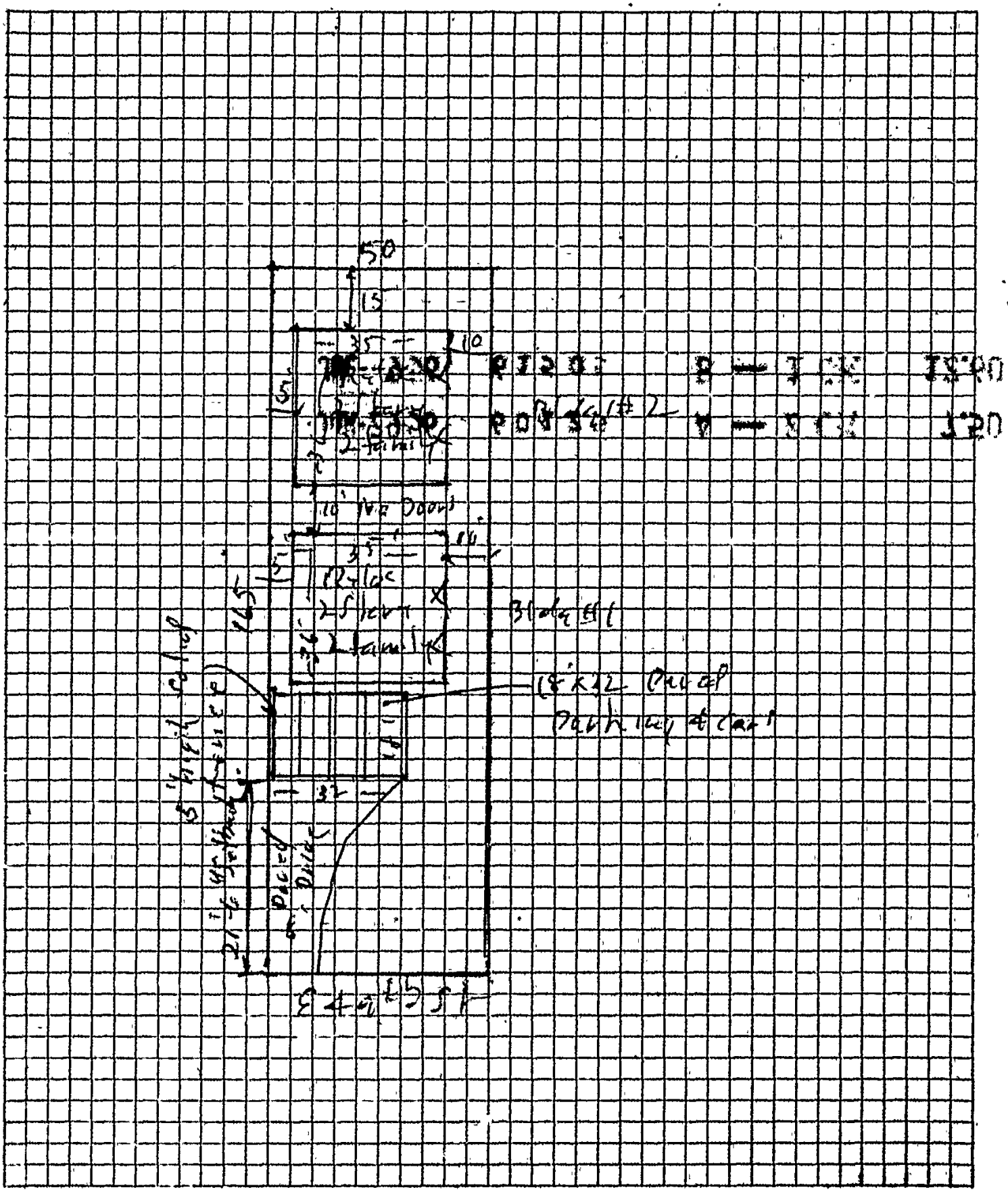
APPLICATION APPROVED: Raymond

FILE NUMBER: 1350

INSTRUCTIONS: 1. Applicant to Complete Numbered Items Only. 2. Plot Plan Required on Back of Original.

Form B-2

LEGAL DESCRIPTION



On Plot Plan Show all Buildings on Lot and Use of Each

2 030-2 242+2

APPLICATION TO RELOCATE BUILDING AND FOR CERTIFICATE OF OCCUPANCY

Corbet

CITY OF LOS ANGELES — DEPT. OF BUILDING AND SAFETY

DIST MAP 7260	1. LEGAL FROM LOT 11, Blk 8	TRACT Hollywood Ocean View	TO LOT 23 Blk C	TRACT McKinley Pl.
ZONE R-3	2. PRESENT ADDRESS 2128-30 North Highland			APPROVED
FIRE DIST.	NEW ADDRESS 704-6 East 49th Street Bldg #2			RB
N. SIDE X KEY	3. PRESENT USE OF BLDG. 2-fam. dwell.	USE AFTER RELOCATION same		
COR. LOT REV. COR.	4. OWNER ~~John~~ PEARL Williams			
LOT SIZE 50 x 165	5. OWNER'S ADDRESS 2346 Dunsmuir, Los Angeles 16			
REAR ALLEY SIDE ALLEY	6. CERT. ARCH OR LIC. ENG. c/o 1104 S. Western Ave., LA6	STATE LICENSE NUMBER		
BLDG. LINE	7. CONTRACTOR owner	STATE LICENSE NUMBER		
AFFIDAVITS	8. SIZE OF BLDG. 35' x 36'2"	STORIES 2	HEIGHT 24	
BLDG. AREA 1260	9. MATERIAL OF EXTERIOR WALLS: ☐ WOOD ☒ STUCCO	☐ METAL ☐ BRICK	☐ CONC. BLOCK ☐ CONCRETE	
SPRINKLERS REQ'D. SPECIFIED	10. NEW WORK (DESCRIBE)			

2 704-6 East 49th Street

VALIDATION LA47569

TYPE	GROUP	MAX. OCC.
V	R	2-fam.

MAY-25-56 53280 B 15 CK 30.00
JUN-29-56 60126 A = 2 CK 7.50
JUL-9-56 61506 B = 1 CK 12.60
PC 7.50
O.E.C. BPP $12.60

DIST. OFFICE L A

C. OF O. ISSUED

DATE APPROVED 6-8-56 $4000.00 BOND ☐ CASH BOND ☒ SURETY BOND 7-6-56 KW

DWELL. UNITS 2	11. VALUATION: TO INCLUDE ALL FIXED EQUIPMENT REQUIRED TO OPERATE AND USE PROPOSED BLDG. $ 3200.00	VALUATION APPROVED A. Golling
PARKING SPACES 2	I certify that in doing the work authorized hereby I will not employ any person in violation of the Labor Code of the State of California relating to workmen's compensation insurance. The issuance of this permit will not violate any deed restrictions of record. The purchase of either site or building for relocation purposes until this application is approved is at my own risk. This is an applicatioh only and does not guarantee approval. The building when relocated must be repaired so as not to be detrimental to property within 1000 feet of the new site.	APPLICATION CHECKED La Bire
GUEST ROOMS		PLANS CHECKED Natenhara
FILE WITH		CORRECTIONS VERIFIED Natenhara
CONT. INSP.		PLANS APPROVED Natenhara
SEWER CAP PER. 54395	Mrs John W. Williams MUST BE SIGNED BY OWNER	APPLICATION APPROVED Raymond
	This form when properly validated is a permit to do the work described.	FILE NUMBER 1349

INSTRUCTIONS: 1. Applicant to Complete Numbered Items Only. 2. Plot Plan Required on Back of Original.

Form B-2

LEGAL DESCRIPTION

See other applic. for Plot Plan

On Plot Plan Show all Buildings on Lot and Use of Each

Bldg. Supt. 407-5 05-5m.

Ward 6

Applicant must indicate the Building Line or Lines clearly and distinctly on the Drawings.

Application for Erection of Frame Buildings
OF CLASS "D"

Application is hereby made to the Superintendent of Buildings of the City of Los Angeles, for the approval of the detailed statement of the specifications and plans herewith submitted for the erection of the building herein described. All provisions of the Building Ordinances shall be complied with in the erection of said building, whether specified herein or not.

(Sign here) Fred A. Zeiger

Los Angeles, Cal., June 19 1905

Assessor Please Verify — Location: Lot 13 Block 6

Mc Kinley Place

District No. 15 M. B. page F. B. page

Engineer Please Verify — No. 740 E 49th St Street

1. Purpose of the Building Dwg 2 R

Is any part to be used for store or other business purposes? If so, state what No

2. Owner's name Fred A. Zeiger
3. Owner's address 1174 E. 24 St
4. Architect's name
5. Builder's name Fred A. Zeiger
6. Builder's Address above
7. Estimated Cost of the Proposed Improvements, $ 100 00
8. Will the building be erected on the front or rear of lot? rear
9. How to be occupied? dwelling If for dwelling, state the number of families in each house One
10. Size of lot? 50 feet front; feet rear; 165 feet deep.
11. Size of building? 12 x 18 feet front; feet rear; feet deep; number of stories in height; height from curb level to highest point?
12. What is the character of the ground: rock, clay, sand, filled, etc. Sandy - loam
13. Will the foundation be laid on earth, rock, timber or piles? timber
14. Will there be a cellar or basement? No
15. Will basement or cellar be of brick, stone or concrete?
16. What will be the depth of foundation walls below curb level or surface of ground?
17. Of what will foundation walls be built?

Give thickness of foundation walls; front inches; sides inches; rear inches; party inches. Thickness and width of footings

18 Will interior supports be brick partition walls or piers, iron columns or wooden posts?

Give size of same.

If piers, give thickness of cap stones or plates

bond stones or plates

Permit No. 5596

19. What will be the materials of front? Lumber

If of brick or stone, state thickness ..... inches.

20 No. and kind of chimneys to be used ..... No stacks ..... No. flues to ground .....

21. Will any part of the front be supported on brick piers or iron columns? .....

22. What will be the size of sills? ..... inches

Size of corner posts? ..... x ..... ; middle posts ..... x .....

23. What will be the size of exterior studs? ..... x ..... ; interior studs? ..... x .....

24. Give size and material of floor and ceiling joists? .....

1st tier, material ..... ; size ..... x ..... ; distance on centres .....

2d " " ..... ; size ..... x ..... ; " " .....

3d " " ..... ; size ..... x ..... ; " " .....

4th " " ..... ; size ..... x ..... ; " " .....

5th " " ..... ; size ..... x ..... ; " " .....

6th " " ..... ; size ..... x ..... ; " " .....

Roof " " ..... ; size ..... x ..... ; " " .....

25. Give material of girders ..... of columns .....

Size of girders under 1st tier ..... " .....

" " " 2d " ..... " .....

" " " 3d " ..... " .....

" " " 4th " ..... " .....

" " " 5th " ..... " .....

" " " 6th " ..... " .....

" " " Roof " ..... " .....

26. Will the roof be peak, flat, or mansard? Peak Material of roofing. Shingles

27. How many fire-escapes will be provided? ..... Where placed? .....

.....

28. Will cellar or basement ceiling be plastered? ..... Metal or wood lath? —

29. How will building be heated? .....

30. Give size of vent shafts to water-closet apartments .....

31. Is there any other building erected on lot, or permit granted for one? .....

..... Size ..... x ..... ; height ..... How occupied? .....

..... Give distance between same and proposed building ..... feet

32. Are any buildings to be taken down? ..... ; how many .....

33. Give number of light and vent shafts .....

State materials to be used in their construction .....

34. Will shafts be open or covered with skylights full size of shafts? .....

Will skylights (if any) be wire covered? .....

Size of each shaft? .....

35. Of what materials will partition wall of double flats be constructed? .....

.....

36. Of what materials will floors be constructed? .....

How many thicknesses? .....

What kind of fire-proofing? .....

37. How will hall and soffits of stairs be plastered? .....

38. How will halls be lighted and ventilated? .....

.....

39. Number and location of water-closets: cellar ..... ; 1st floor ..... ; 2d floor .....

3d floor ..... ; 4th floor ..... ; 5th floor ..... ; 6th floor .....

Bldg. Supt. 407—5/05—5m.

Ward 6

Applicant must indicate the Building Line or Lines clearly and distinctly on the Drawings.

Application for Erection of Frame Buildings
OF CLASS "D"

Application is hereby made to the Superintendent of Buildings of the City of Los Angeles, for the approval of the detailed statement of the specifications and plans herewith submitted for the erection of the building herein described. All provisions of the Building Ordinances shall be complied with in the erection of said building, whether specified herein or not.

(Sign here) Fred A. Zeiger

Los Angeles, Cal. SEP 11 1905 190

Assessor Please Verify

Location: Lot 13 Block C

McKinley Place

District No. 15 M. B. page 109 F. B. page 141

Engineer Please Verify

No. 740 E 49th Street

1. Purpose of the Building Dwelling
   Is any part to be used for store or other business purposes? If so, state what
2. Owner's name Florentine Zeiger
3. Owner's address 740 E. 49 st
4. Architect's name
5. Builder's name Fred A. Zeiger
6. Builder's Address 740 E. 49 st
7. Estimated Cost of the Proposed Improvements, $ 1100
8. Will the building be erected on the front or rear of lot? Front
9. How to be occupied? Dwelling If for dwelling, state the number of families in each house One
10. Size of lot? 50 feet front; 50 feet rear; 165 feet deep.
11. Size of building? 28 feet front; 16 feet rear; 44 feet deep; number of stories in height One; height from curb level to highest point?
12. What is the character of the ground: rock, clay, sand, filled, etc. Sand
13. Will the foundation be laid on earth, rock, timber or piles? earth
14. Will there be a cellar or basement? —
15. Will basement or cellar be of brick, stone or concrete? —
16. What will be the depth of foundation walls below curb level or surface of ground? 4 curses
17. Of what will foundation walls be built? Brick
    Give thickness of foundation walls; front inches; sides inches; rear inches; party inches. Thickness and width of footings 17
18. Will interior supports be brick partition walls or piers, iron columns or wooden posts?
    Give size of same
    If piers, give thickness of cap stones or plates
    bond stones or plates

Permit No. 5717

19. What will be the materials of front? .....

If of brick or stone, state thickness ..... inches.

20 No. and kind of chimneys to be used? Fire Brick No. stacks ..... No. flues to ground .....

21. Will any part of the front be supported on brick piers or iron columns? .....

22. What will be the size of sills? ..... 4 x 4 ..... inches

Size of corner posts? ..... 4 x 4 ..... ; middle posts ..... x .....

23. What will be the size of exterior studs? ..... 2 x 4 ..... ; interior studs? ..... x ..... ;

24. Give size and material of floor and ceiling joists? ..... 2 x 6 — 2 x 4 .....

1st tier, material ..... ; size ..... x ..... ; distance on centres .....

2d " " ..... ; size ..... x ..... ; " " .....

3d " " ..... ; size ..... x ..... ; " " .....

4th " " ..... ; size ..... x ..... ; " " .....

5th " " ..... ; size ..... x ..... ; " " .....

6th " " ..... ; size ..... x ..... ; " " .....

Roof " " ..... ; size 2 x 4 ..... ; " " 32 .....

25. Give material of girders ..... of columns .....

Size of girders under 1st tier ..... " .....

" " " 2d " ..... " .....

" " " 3d " ..... " .....

" " " 4th " ..... " .....

" " " 5th " ..... " .....

" " " 6th " ..... " .....

" " " Roof " ..... " .....

26. Will the roof be peak, flat, or mansard? Peak ; Material of roofing Tar .....

27. How many fire-escapes will be provided? ..... Where placed? .....

.....

28. Will cellar or basement ceiling be plastered? ..... Metal or wood lath? .....

29. How will building be heated? .....

30. Give size of vent shafts to water-closet apartments .....

31. Is there any other building erected on lot, or permit granted for one? Shed on rear

..... Size ..... x ..... ; height ..... How occupied? Dwelling

..... Give distance between same and proposed building 40 feet

32. Are any buildings to be taken down? ..... ; how many .....

33. Give number of light and vent shafts .....

State materials to be used in their construction .....

34. Will shafts be open or covered with skylights full size of shafts? .....

Will skylights (if any) be wire covered? .....

Size of each shaft? .....

35. Of what materials will partition wall of double flats be constructed? .....

.....

36. Of what materials will floors be constructed? .....

How many thicknesses? .....

What kind of fire-proofing? .....

37. How will hall and soffits of stairs be plastered? .....

38. How will halls be lighted and ventilated? .....

.....

39. Number and location of water-closets: cellar ..... ; 1st floor ..... ; 2d floor .....

3d floor ..... ; 4th floor ..... ; 5th floor ..... ; 6th floor .....

All applications must be filled out by applicant.

WARD 6

Applicant must indicate the Building Line or Lines clearly and distinctly on the drawings.

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

Application to Alter, Repair or Demolish

Application is hereby made to the Chief Inspector of Buildings of the City of Los Angeles, for the approval of the detailed statement of the specifications herewith submitted for the alteration, repair or demolition of the building herein described. All provisions of the Building Ordinances shall be complied with in the alteration, repair or demolition of said building, whether specified or not.

(Sign here) P. Mall

Los Angeles, Cal., 724 E. 49, OCT 13 1909, 190 9.

CITY ASSESSOR: Please Verify

REMOVED FROM	REMOVED TO
Lot ..., Block ...	Lot 17, Block 6
Tract ...	Tract McKinley Place
	Maitland Ave
Book ... Page ... F. B. Page ...	Book 15 Page 3 F. B. Page 141

TAKE TO ROOM NO 6 FIRST FLOOR

TAKE TO ROOM NO. 34 THIRD FLOOR

CITY ENGINEER: Please Verify Street Number

From No. ... To No. 724 East 49th St

1. Owner's name P Mall
2. Owner's address 724. E. 49th St.
3. Architect's name
4. Builder's name Same.
5. Builder's address
6. Entire cost of the Proposed Improvements, $ 100.00
7. Purpose of building Res.
8. Class of building D No. of rooms at present 6
9. No. of stories in height One Size of building 40 x 24
10. Size of addition ~~4~~ x ~~15~~
11. Material of foundation ... Size Footing ... Size of wall ...
12. Size of exterior studs 2 x 4 Interior studs ... x ...
13. Size of mud sills 2 x ... Bearing studs ... x ...
14. Size of first floor joist 2 x 6 Second floor joist ... x ...
15. State on following lines just what you want to do: Make new roof over back 2 rooms, and Screen Porch, enclose

Permit No. 6431

(Bldg. Dept. Form 2)

All applications must be filled out by applicant

PLANS AND SPECIFICATIONS and other data must also be filed

WARD 6

BOARD OF PUBLIC WORKS
DEPARTMENT OF BUILDINGS

2

Application for the Erection of Frame Building
CLASS "D"

To the Board of Public Works of the City of Los Angeles:

Application is hereby made to the Board of Public Works of the City of Los Angeles, through the office of the Chief Inspector of Buildings, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO ROOM No. 6 FIRST FLOOR
ASSESSOR PLEASE VERIFY

Lot No. 740 E 51st 50 in rear Block
(Description of Property)

District No. M. B. Page F. B. Page

O. K. City Assessor By Deputy.

TAKE TO ROOM No. 405 SOUTH ANNEX
ENGINEER PLEASE VERIFY

No. 740 E 50 - 49 Rear
(Location of Job)
Street

O. K. City Engineer By Deputy.

(USE INK OR INDELIBLE PENCIL)

1. Purpose of Building Dwelling No. of Rooms 3 No. of Families 1
2. Owner's name Mr Flowers & Merritt Phone
3. Owner's address 740 E 50th
4. Architect's name Rebholtz Phone
5. Contractor's name " Phone
6. Contractor's address 1754 North Main
7. ENTIRE COST OF PROPOSED BUILDING {Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, etc.} $ about 325
8. Any other buildings on the lot? Garage How used? Light Housek Dwelling
9. Size of proposed building 18 x 28 Height to highest point 12' feet
10. Number of stories in height 1 Character of ground Level
11. Material of foundation Brick Size footings 12x24 Size wall 8 x Depth below ground 6
12. Material of chimneys none Number of inlets to flues Interior size of flues x
13. Give sizes of following materials: REDWOOD MUDSILLS 2x6 x Girders 3" x 4"
EXTERIOR studs Exterior 2x4 INTERIOR BEARING studs x Interior Non-Bearing studs
8' x 4" Ceiling joists 2x4 x Roof rafters 2x4 x FIRST FLOOR JOISTS 2 x 6
Second floor joists x Third floor joists x Specify material of roof Composition Roofing
14. State number of Plumbing fixtures to be installed Bath 1 Toilet 1 Number of gas outlets None
15. State if there is a sewer or cesspool to be constructed on this lot Sewer
(No cesspools allowed where there is a street sewer.)
16. Plumbing and gas fitting contractor's name Firm by the Owner

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Building Ordinances will be complied with, whether herein specified or not.

(Sign here) Joseph G. Rebholtz
(Owner or authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and specifications checked and found to conform to Ordinances, State Laws, etc. (Use Ink)	Application checked and found O. K. (Use Rubber Stamp)	Estimated Value of Building
11600	Plan Examiner.	JUL 27 1915 P.L. Clerk.	RECEIVED JUL 27 1915 LOS ANGELES J. B. & S. Dept. $325

4 N. D. Coons Jr. 175



REMARKS



(Bldg. Dept. Form 2) *All applications must be filled out by applicant*

PLANS AND SPECIFICATIONS and other data must also be filed

49th

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

2 Application for the Erection of Frame Building

CLASS "D"

To the Board of Public Works of the City of Los Angeles:

Application is hereby made to the Board of Public Works of the City of Los Angeles, through the office of the Chief Inspector of Buildings, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO ROOM No. 6 FIRST FLOOR ASSESSOR PLEASE VERIFY

Lot No. ~~1 to 10~~ Block ~~C of H~~
(Description of Property)
~~McKinley Plan - Recorded in Book 5~~
~~Page 19 of Maps~~
Tract 2056
District No. 15 M. B. Page 5 F. B. Page 143

O. K. City Assessor By [signature] Deputy.

TAKE TO ROOM No. 405 SOUTH ANNEX ENGINEER PLEASE VERIFY

No. 770 E 49th St
(Location of Job)
Street

O. K. City Engineer By [signature] Deputy.

(USE INK OR INDELIBLE PENCIL)

1. Purpose of Building Temporary School No. of Rooms 1 No. of Families —
2. Owner's name Bd of Education Phone Bdwy 4337
3. Owner's address Security Bldg.
4. Architect's name Loyall F. Watson Phone
5. Contractor's name J. Hugo Valley Phone
6. Contractor's address —
7. ENTIRE COST OF PROPOSED BUILDING (Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, etc.) $ 1160
8. Any other buildings on the lot? Yes How used? School
9. Size of proposed building 24' x 38' Height to highest point 17' feet
10. Number of stories in height 1 Character of ground Sandy Loam
11. Material of foundation Redwood Size footings 3" X 8" Size wall 6" Depth below ground —
12. Material of chimneys Terra Cotta Number of inlets to flues 1 Interior size of flues 7" x 7"
13. Give sizes of following materials: REDWOOD MUDSILLS 3" x 8" Girders 4" x 6"
EXTERIOR studs 2" x 4" INTERIOR BEARING studs — x Interior Non-Bearing studs — x — Ceiling joists 2" x 4" Roof rafters 2" x 4" FIRST FLOOR JOISTS 2" x 6"
Second floor joists x Third floor joists x Specify material of roof Composition

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

(Sign here) Board of Education
(Owner or authorized agent)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and specifications checked and found to conform to Ordinances, State Laws, etc. (Use Ink)	Application checked and found O. K. (Use Rubber Stamp)	Stamp here when permit is issued
184	[signature] Plan Examiner.	0 1918 [signature] Clerk.	JAN 11 1918

~~PLANNING~~ [signature] Thomas

REMARKS

STATE DWELLING HOUSE ACT

Any living rooms in basement? _____

Least area of any living room _____

Minimum ceiling height _____

Size of window courts _____

Give cornice projection _____ inches

Will window area be one-eighth (1/8) of floor area in each room? _____

Minimum height of floor joist above ground _____

Will entire space under house be enclosed? _____

Will all requirements of State Dwelling House Act be complied with? _____

(Sign here) _____

All Applications must be filled out by Applicant

9-19

PLANS AND SPECIFICATIONS and other data must also be filed

Bldg. Form 2

2

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

Application for the Erection of Frame Buildings

CLASS "D"

To the Board of Public Works of the City of Los Angeles:

Application is hereby made to the Board of Public Works of the City of Los Angeles, through the office of the Chief Inspector of Buildings, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

O. K. City Clerk By ... Deputy

O. K. City Engineer By ... Deputy

TAKE TO ROOM No. 6 REAR OF NORTH ANNEX 1st FLOOR

CITY CLERK PLEASE VERIFY

TAKE TO ROOM No. 405 SOUTH ANNEX

ENGINEER PLEASE VERIFY

Lot No. 21 Block C

(Description of Property)

W^c Kinley Place

& Book 5 Page 19

District No. 15 M. B. Page 5 F. B. Page 15 8

No. 708 - 710 E. 49 Street

(Location of Job)

Bet. McKinley & Avalon

(USE INK OR INDELIBLE PENCIL)

1. Purpose of Building 8 x Garage No. of Rooms 4 No. of Families None
2. Owner's name W. R. Grelck Phone
3. Owner's address 670 E. 49
4. Architect's name None Phone
5. Contractor's name John W. Aykroyd Phone Drexel 9494
6. Contractor's address 1056 No. Bonnie Brae
7. VALUATION OF PROPOSED WORK (Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.) $ 450.00
8. Is there any existing (old) building on lot? Yes How used? apt. bldg.
9. Size of proposed building 37 x 18 Height to highest point 10 feet
10. Number of Stories in height One Character of ground Lawn
11. Material of foundation Conc. & Brick Size of footings none Size of wall none Depth below ground none
12. Material of chimneys None Number of inlets to flue None Interior size of flues None
13. Give sizes of following materials: REDWOOD MUDSILLS 3 x 4 Girders Built
EXTERIOR studs 2 x 4 INTERIOR BEARING studs 2 x 4 Interior Non-Bearing studs 2 x 3 Ceiling joists 2 x 4 Roof rafters 2 x 4 FIRST FLOOR JOISTS Blank
Second floor joists ... x ... Specify material of roof Composition
14. Will all provisions of State Housing Act be complied with? Yes

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign here) John W. Aykroyd
(Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Stamp here when permit is issued
32254	11/4/26 Plan Examiner	11/4/26 Clerk	ISSUED NOV 4 1926 A. Bldg. Dept.

12 Built

Not Permitted

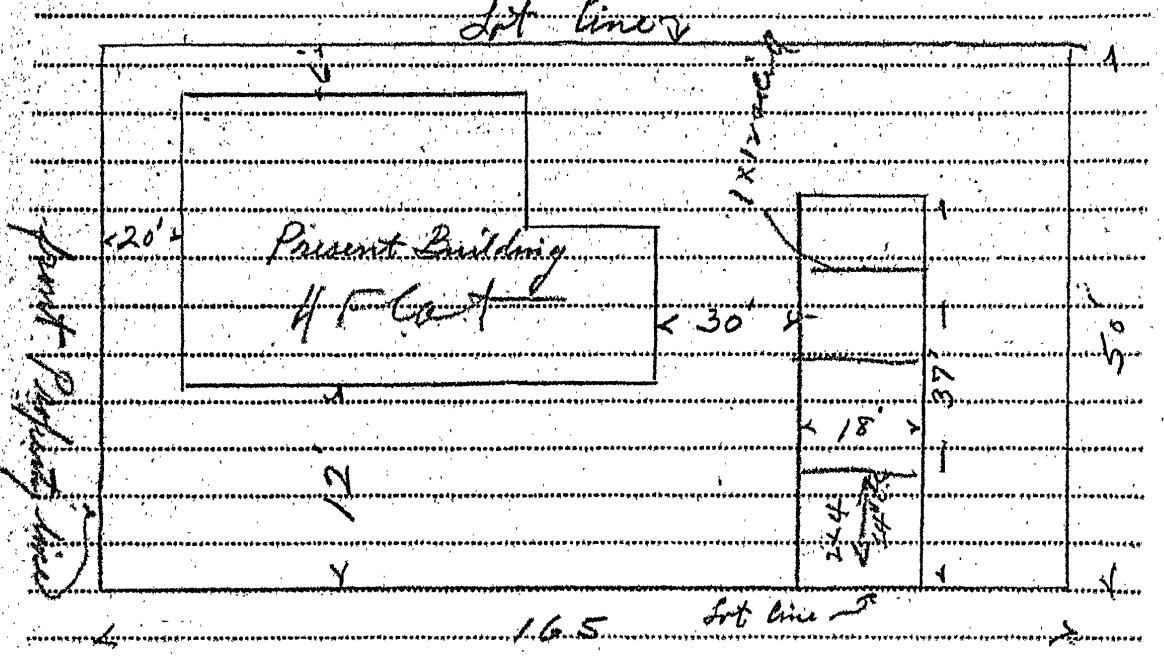
FOR DEPARTMENT USE ONLY

APPLICATION	O. K.
CONSTRUCTION	O. K.
ZONING	O. K.
SET-BACK LINE	O. K.
ORD. 33761 (N. S.)	O. K.
FIRE DISTRICT	O. K.

REMARKS

I hereby agree to locate and erect this building or structure and every portion thereof, except unenclosed porches, back a distance from the front property line equal to the set-back line of the nearest building now erected on any lot in this block in Zone "A" on the same side of the street.

Owner.



Print

LA DBS
DEPARTMENT OF BUILDING AND SAFETY

January 13, 2022

Document Report

Documents

Document Number(s)
1956LA47568

Record Description
Record ID: 304398
Doc Type: CERTIFICATE OF OCCUPANCY
Sub Type: None
Doc Date: 04/26/1957
Status: None
Doc Version: None
AKA Address: None
Project Name: None
Disaster ID: None
Subject: None
Product Name: None
Manufacturer's Name: None
Expired Date: None
Receipt Number: None
Case Number: None
Scan Number: None
Dwelling Units: None
Comments: 2 STORY, TYPE V, 35' X 36'2" 2-FAMILY DWELLING, R-1 OCCUPANCY, REL OCATION.

Property Address(es)
700 702 E 49TH ST

Legal Description(s)
Tract:
Block: **Lot:** **Arb:**
Modifier: **Map Reference:**

Film RBF
Type: HIST O278; 3; 0472

****

Note: If you have any questions, please visit one of our Records Counter Section open Monday thru Fridays from 7:30 AM to 4:30 PM, EXCEPT on Wednesdays which opens from 9:00 AM to 4:30 PM.

Locations: Metro - 201 N. Figueroa St., 1st Floor Rm. 110, Los Angeles CA 90012
Van Nuys - 6262 Van Nuys Blvd, 2nd Floor Van Nuys CA 91401

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LA DBS
DEPARTMENT OF BUILDING AND SAFETY

January 13, 2022

Document Report

Documents

Document Number(s)
1956LA47569

Record Description
Record ID: 304399
Doc Type: CERTIFICATE OF OCCUPANCY
Sub Type: None
Doc Date: 04/26/1957
Status: None
Doc Version: None
AKA Address: None
Project Name: None
Disaster ID: None
Subject: None
Product Name: None
Manufacturer's Name: None
Expired Date: None
Receipt Number: None
Case Number: None
Scan Number: None
Dwelling Units: None
Comments: 2 STORY, TYPE V, 35' X 36'2", 2-FAMILY DWELLING, R-1 OCCUPANCY,REL OCATION.

Property Address(es)
704 706 E 49TH ST

Legal Description(s)
Tract:
Block: **Lot:** **Arb:**
Modifier: **Map Reference:**

Film RBF
Type: HIST O278; 3; 0474

****

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January 13, 2022

Document Report

Documents

Document Number(s)
1956LA54477

Record Description
Record ID: 317520
Doc Type: CERTIFICATE OF OCCUPANCY
Sub Type: None
Doc Date: 04/26/1957
Status: None
Doc Version: None
AKA Address: None
Project Name: None
Disaster ID: None
Subject: None
Product Name: None
Manufacturer's Name: None
Expired Date: None
Receipt Number: None
Case Number: None
Scan Number: None
Dwelling Units: None
Comments: 2 STORY, TYPE V, 35' X 36'2", 2-FAMILY DWELLING, R-1 OCCUPANCY,REL OCATION.

Property Address(es)
704 706 E 49TH ST

Legal Description(s)
Tract:
Block: **Lot:** **Arb:**
Modifier: **Map Reference:**

Film RBF
Type: HIST O278; 3; 0474

****

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DEPARTMENT OF BUILDING AND SAFETY

January 13, 2022

Document Report

Documents

Document Number(s)
1956LA54478

Record Description
Record ID: 317523
Doc Type: CERTIFICATE OF OCCUPANCY
Sub Type: None
Doc Date: 04/26/1957
Status: None
Doc Version: None
AKA Address: None
Project Name: None
Disaster ID: None
Subject: None
Product Name: None
Manufacturer's Name: None
Expired Date: None
Receipt Number: None
Case Number: None
Scan Number: None
Dwelling Units: None
Comments: 2 STORY, TYPE V, 35' X 36'2" 2-FAMILY DWELLING, R-1 OCCUPANCY, REL OCATION.

Property Address(es)
700 702 E 49TH ST

Legal Description(s)
Tract:
Block: **Lot:** **Arb:**
Modifier: **Map Reference:**

Film RBF
Type: HIST O278; 3; 0472

****

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DEPARTMENT OF BUILDING AND SAFETY

January 13, 2022

Document Report

Documents

Document Number(s)
1956LA54478

Record Description
Record ID: 317523
Doc Type: CERTIFICATE OF OCCUPANCY
Sub Type: None
Doc Date: 04/26/1957
Status: None
Doc Version: None
AKA Address: None
Project Name: None
Disaster ID: None
Subject: None
Product Name: None
Manufacturer's Name: None
Expired Date: None
Receipt Number: None
Case Number: None
Scan Number: None
Dwelling Units: None
Comments: 2 STORY, TYPE V, 35' X 36'2" 2-FAMILY DWELLING, R-1 OCCUPANCY, REL OCATION.

Property Address(es)
700 702 E 49TH ST

Legal Description(s)
Tract:
Block: **Lot:** **Arb:**
Modifier: **Map Reference:**

Film RBF
Type: HIST O278; 3; 0472

****

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January 13, 2022

Document Report

Documents

Document Number(s)
1956LA47567

Record Description
Record ID: 304396
Doc Type: CERTIFICATE OF OCCUPANCY
Sub Type: None
Doc Date: 05/03/1957
Status: None
Doc Version: None
AKA Address: None
Project Name: None
Disaster ID: None
Subject: None
Product Name: None
Manufacturer's Name: None
Expired Date: None
Receipt Number: None
Case Number: None
Scan Number: None
Dwelling Units: None
Comments: 2 STORY, TYPE V, 35' X 36'4" 2-FAMILY DWELLING, R-1 OCCUPANCY, REL OCATION.

Property Address(es)
682 684 E 49TH ST

Legal Description(s)
Tract:
Block: **Lot:** **Arb:**
Modifier: **Map Reference:**

Film RBF
Type: HIST O278; 3; 0467

****

Note: If you have any questions, please visit one of our Records Counter Section open Monday thru Fridays from 7:30 AM to 4:30 PM, EXCEPT on Wednesdays which opens from 9:00 AM to 4:30 PM.

Locations: Metro - 201 N. Figueroa St., 1st Floor Rm. 110, Los Angeles CA 90012
Van Nuys - 6262 Van Nuys Blvd, 2nd Floor Van Nuys CA 91401

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DEPARTMENT OF BUILDING AND SAFETY

January 13, 2022

Document Report

Documents

Document Number(s)
1956LA54475

Record Description
Record ID: 317515
Doc Type: CERTIFICATE OF OCCUPANCY
Sub Type: None
Doc Date: 05/03/1957
Status: None
Doc Version: None
AKA Address: None
Project Name: None
Disaster ID: None
Subject: None
Product Name: None
Manufacturer's Name: None
Expired Date: None
Receipt Number: None
Case Number: None
Scan Number: None
Dwelling Units: None
Comments: 2 STORY, TYPE V, 35' X 36'2" 2-FAMILY DWELLING, R-1 OCCUPANCY, REL OCATION.

Property Address(es)
686 688 E 49TH ST

Legal Description(s)
Tract:
Block: **Lot:** **Arb:**
Modifier: **Map Reference:**

Film RBF
Type: HIST O278; 3; 0468

****

Note: If you have any questions, please visit one of our Records Counter Section open Monday thru Fridays from 7:30 AM to 4:30 PM, EXCEPT on Wednesdays which opens from 9:00 AM to 4:30 PM.

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Van Nuys - 6262 Van Nuys Blvd, 2nd Floor Van Nuys CA 91401

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DEPARTMENT OF BUILDING AND SAFETY

January 13, 2022

Document Report

Documents

Document Number(s)
1956LA54476

Record Description
Record ID: 317517
Doc Type: CERTIFICATE OF OCCUPANCY
Sub Type: None
Doc Date: 05/03/1957
Status: None
Doc Version: None
AKA Address: None
Project Name: None
Disaster ID: None
Subject: None
Product Name: None
Manufacturer's Name: None
Expired Date: None
Receipt Number: None
Case Number: None
Scan Number: None
Dwelling Units: None
Comments: 2 STORY, TYPE V, 35' X 36'4" 2-FAMILY DWELLING, R-1 OCCUPANCY, REL OCATION.

Property Address(es)
682 684 E 49TH ST

Legal Description(s)
Tract:
Block: **Lot:** **Arb:**
Modifier: **Map Reference:**

Film RBF
Type: HIST O278; 3; 0467

****

Note: If you have any questions, please visit one of our Records Counter Section open Monday thru Fridays from 7:30 AM to 4:30 PM, EXCEPT on Wednesdays which opens from 9:00 AM to 4:30 PM.

Locations: Metro - 201 N. Figueroa St., 1st Floor Rm. 110, Los Angeles CA 90012
Van Nuys - 6262 Van Nuys Blvd, 2nd Floor Van Nuys CA 91401

DEPARTMENT OF BUILDING AND SAFETY

There are two ways to request a copy of the document image.
1) By fax using the request form. Click on the following link
http://www.ladbs.org/permits/permit_related_forms/Research_Request_form.pdf to download the request form.
2) In person. Bring the following summary to one of the following Record counters.

COUNTER HOURS

MONDAY, TUESDAY, THURSDAY, FRIDAY: 7:30 AM to 4:30 PM
WEDNESDAY: 9:00 AM to 4:30 PM

Metro	Van Nuys
201, N. Figueroa St. 1st Floor, Room 110 Record Counter Los Angeles,CA 90012	6262 Van Nuys Blvd Record Counter Van Nuys,CA 91401

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT		9/21/1929	1929LA24343	HIST: P1202 001 1712	
BUILDING PERMIT		9/23/1929	1929LA24452	HIST: P1202 001 1930	
BUILDING PERMIT	ALTERATION	8/29/1947	1947LA19445	IDIS: P5423 00287 0000 thru P5423 0001 HIST: P	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/5/1909	1909LA06204	HIST: P1014 001 0864	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/13/1912	1912LA11202	HIST: P1027 002 2346	
BUILDING PERMIT	BLDG-ALTER/REPAIR	7/19/1921	1921LA16500	IDIS: P5104 02067 0000 thru P5104 0001 HIST: P1078 002 0919	
BUILDING PERMIT	BLDG-ALTER/REPAIR	7/3/1923	1923LA30089	HIST: P1113 001 0190	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/5/1926	1926LA13704	HIST: P1160 001 3156	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/23/1929	1929LA24452	IDIS: P5205 02602 0000 thru P5205 0001 HIST: P1202 001 1930	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/24/1944	1944LA05296	HIST: P1363 002 2389	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/24/1944	1944LA05296	IDIS: P5373 02390 0000 thru P5373 0001 HIST: P1363 002 2389	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/12/1948	1948LA16109	HIST: P1412 001 0819	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/12/1948	1948LA16109	IDIS: P5449 00819 0000 thru P5449 0001 HIST: P1412 001 0819	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/12/1948	1948LA16110	IDIS: P5449 00820 0000 thru P5449 0001 HIST: P1412 001 0820	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/12/1948	1948LA16111	HIST: P1412 001 0821	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/12/1948	1948LA16111	IDIS: P5449 00821 0000 thru P5449 0001 HIST: P1412 001 0821	
BUILDING PERMIT	BLDG-ALTER/REPAIR	5/12/1948	1948LA16112	IDIS: P5449 00822 0000 thru P5449 0001 HIST: P1412 001 0822	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/3/1949	1949 06875	HIST: P1424 001 2445	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/3/1949	1949 06876	HIST: P1424 001 2446	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/6/1949	1949LA06875	IDIS: P5473 02439 0000 thru P5473 0001 HIST: P1424 001 2445	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/6/1949	1949LA06876	IDIS: P5473 02440 0000 thru P5473 0001 HIST: P1424 001 2446	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/6/1949	1949LA06877	IDIS: P5473 02441 0000 thru P5473 0001 HIST: P1424 001 2447	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/6/1949	1949LA06878	IDIS: P5473 02442 0000 thru P5473 0001 HIST: P1424 001 2448	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/6/1949	1949LA06879	IDIS: P5473 02443 0000 thru P5473 0001 HIST: P	
BUILDING PERMIT	BLDG-ALTER/REPAIR	2/9/1951	1951 03992	HIST: P1447 001 0394	
BUILDING PERMIT	BLDG-ALTER/REPAIR	2/9/1951	1951LA03992	IDIS: P5514 00392 0000 thru P5514 0001 HIST: P1447 001 0394	
BUILDING PERMIT	BLDG-ALTER/REPAIR	4/25/1952	1952LA29761	IDIS: P5536 00838 0000 thru P5536 0001 HIST: P1459 001 1678	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/17/1952	1952LA31392	IDIS: P5536 02468 0000 thru P5536 0001 HIST: P1459 002 1569	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/23/1952	1952 38556	HIST: P1462 001 2317	
BUILDING PERMIT	BLDG-ALTER/REPAIR	6/23/1952	1952LA38556	IDIS: P5539 01152 0000 thru P5539 0001 HIST: P1462 001 2317	
BUILDING PERMIT	BLDG-NEW	6/17/1910	1910LA04967	HIST: P1016 002 1243	
BUILDING PERMIT	BLDG-NEW	8/11/1911	1911LA07069	HIST: P1021 002 0915	
BUILDING PERMIT	BLDG-NEW	11/10/1921	1921LA31077	HIST: P1083 001 2527	
BUILDING PERMIT	BLDG-NEW	11/10/1921	1921LA31077	IDIS: P5109 01262 0000 thru P5109 0001 HIST: P1083 001 2527	
BUILDING PERMIT	BLDG-NEW	11/10/1921	1921LA31078	IDIS: P5109 01263 0000 thru P5109 0001 HIST: P1083 001 2529	
BUILDING PERMIT	BLDG-NEW	11/10/1921	1921LA31078	HIST: P1083 001 2529	
BUILDING PERMIT	BLDG-NEW	11/10/1921	1921LA31079	IDIS: P5109 01264 0000 thru P5109 0001 HIST: P1083 001 2531	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-NEW	11/10/1921	1921LA31079	HIST: P1083 001 2531	
BUILDING PERMIT	BLDG-NEW	11/10/1921	1921LA31080	IDIS: P5109 01265 0000 thru P5109 0001 HIST: P1083 001 2533	
BUILDING PERMIT	BLDG-NEW	11/10/1921	1921LA31080	HIST: P1083 001 2533	
BUILDING PERMIT	BLDG-NEW	1/4/1922	1922LA00357	IDIS: P5115 00357 0000 thru P5115 0001 HIST: P1086 001 0713	
BUILDING PERMIT	BLDG-NEW	1/4/1922	1922LA00357	HIST: P1086 001 0713	
BUILDING PERMIT	BLDG-NEW	2/17/1922	1922LA05291	HIST: P1088 001 0181	
BUILDING PERMIT	BLDG-NEW	2/17/1922	1922LA05291	IDIS: P5117 00091 0000 thru P5117 0001 HIST: P1088 001 0181	
BUILDING PERMIT	BLDG-NEW	4/4/1922	1922LA10950	IDIS: P5119 00192 0000 thru P5119 0001 HIST: P1090 001 0385	
BUILDING PERMIT	BLDG-NEW	4/4/1922	1922LA10951	HIST: P1090 001 0387	
BUILDING PERMIT	BLDG-NEW	4/4/1922	1922LA10951	IDIS: P5119 00193 0000 thru P5119 0001 HIST: P1090 001 0387	
BUILDING PERMIT	BLDG-NEW	11/13/1922	1922LA41212	IDIS: P5129 01548 0000 thru P5129 0001 HIST: P1100 002 0111	
BUILDING PERMIT	BLDG-NEW	11/13/1922	1922LA41212	HIST: P1100 002 0111	
BUILDING PERMIT	BLDG-NEW	1/24/1923	1923LA03669	IDIS: P5133 00713 0000 thru P5133 0001 HIST: P1104 001 1425	
BUILDING PERMIT	BLDG-NEW	1/24/1923	1923LA03669	HIST: P1104 001 1425	
BUILDING PERMIT	BLDG-NEW	12/26/1925	1925LA43541	HIST: P1155 002 2192	
BUILDING PERMIT	BLDG-NEW	9/13/1926	1926LA26346	HIST: P1164 002 1291	
BUILDING PERMIT	BLDG-NEW	9/21/1929	1929LA24343	IDIS: P5205 02493 0000 thru P5205 0001 HIST: P1202 001 1712	
BUILDING PERMIT	BLDG-NEW	2/20/1946	1946LA04739	HIST: P1376 002 2046	
BUILDING PERMIT	BLDG-NEW	5/20/1946	1946LA14033	IDIS: P5401 00732 0000 thru P5401 0001 HIST: P1380 001 1460	
BUILDING PERMIT	BLDG-RELOCATION	10/5/1909	1909LA06204	IDIS: P5015 00433 0000 thru P5015 0001 HIST: P1014 001 0864	
BUILDING PERMIT	BLDG-RELOCATION	9/13/1912	1912LA11202	IDIS: P5045 02677 0000 thru P5045 0001 HIST: P1027 002 2346	
BUILDING PERMIT	BLDG-RELOCATION	7/3/1923	1923LA30089	IDIS: P5142 00097 0000 thru P5142 0001 HIST: P1113 001 0190	
BUILDING PERMIT	BLDG-RELOCATION	9/2/1924	1924LA35328	IDIS: P5164 02429 0000 thru P5164 0001 HIST: P1135 002 2018	
BUILDING PERMIT	BLDG-RELOCATION	10/19/1925	1925LA35868	IDIS: P5033 01160 0000 thru P5033 0001 HIST: P1153 001 2319	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-RELOCATION	10/19/1925	1925LA35869	IDIS: P5033 01161 0000 thru P5033 0001 HIST: P1153 001 2321	
BUILDING PERMIT	BLDG-RELOCATION	3/22/1926	1926LA08788	IDIS: P5039 01098 0000 thru P5039 0001 HIST: P1158 002 2192	
BUILDING PERMIT	BLDG-RELOCATION	5/5/1926	1926LA13704	IDIS: P5040 03040 0000 thru P5040 0001 HIST: P1160 001 3156	
BUILDING PERMIT	NEW CONSTRUCTION	2/24/1906	1906LA01463	IDIS: P5003 02736 0000 thru P5003 0001 HIST: P1003 001 2916	
BUILDING PERMIT	NEW CONSTRUCTION	3/23/1906	1906LA02324	IDIS: P5004 00785 0000 thru P5004 0001 HIST: P1003 002 1574	
BUILDING PERMIT	NEW CONSTRUCTION	4/24/1906	1906LA03178	IDIS: P5004 01640 0000 thru P5004 0001 HIST: P1004 001 0621	
BUILDING PERMIT	NEW CONSTRUCTION	6/17/1910	1910LA04967	IDIS: P5017 02094 0000 thru P5017 0001 HIST: P1016 002 1243	
BUILDING PERMIT	NEW CONSTRUCTION	8/11/1911	1911LA07069	IDIS: P5112 01959 0000 thru P5112 0001 HIST: P1021 002 0915	
BUILDING PERMIT	NEW CONSTRUCTION	12/26/1925	1925LA43541	IDIS: P5035 02696 0000 thru P5035 0001 HIST: P1155 002 2192	
BUILDING PERMIT	NEW CONSTRUCTION	9/13/1926	1926LA26346	IDIS: P5051 00650 0000 thru P5051 0001 HIST: P1164 002 1291	
BUILDING PERMIT	NEW CONSTRUCTION	2/20/1946	1946LA04739	IDIS: P5397 02042 0000 thru P5397 0001 HIST: P1376 002 2046	
RANGE FILE	MISCELLANEOUS	12/11/1978		HIST: R0147 001 0129	

Print

DEPARTMENT OF BUILDING AND SAFETY

January 13, 2022

Document Report

Documents

Document Number(s)
1910LA04967

Record Description
Record ID: 9074798
Doc Type: BUILDING PERMIT
Sub Type: BLDG-NEW
Doc Date: 06/17/1910
Status: None
Doc Version: None
AKA Address: None
Project Name: None
Disaster ID: None
Subject: None
Product Name: None
Manufacturer's Name: None
Expired Date: None
Receipt Number: None
Case Number: None
Scan Number: None
Dwelling Units: None
Comments: This document shows the following information: Type Const 1 = D; S tories = 2.

Property Address(es)
685 E 50TH ST

Legal Description(s)
Tract:
Block: **Lot:** **Arb:**
Modifier: **Map Reference:**

PIN(s)
111A207 194

Assessor Number(s)
5108-011-909

District Offices(s)
LA

Film RBF
Type: HIST P1016; 002; 1243

****

Note: If you have any questions, please visit one of our Records Counter Section open Monday thru Fridays from 7:30 AM to 4:30 PM, EXCEPT on Wednesdays which opens from 9:00 AM to 4:30 PM.

Locations: Metro - 201 N. Figueroa St., 1st Floor Rm. 110, Los Angeles CA 90012
Van Nuys - 6262 Van Nuys Blvd, 2nd Floor Van Nuys CA 91401

Print

DEPARTMENT OF BUILDING AND SAFETY

January 13, 2022

Document Report

Documents

Document Number(s)
1911LA07069

Record Description
Record ID: 9074807
Doc Type: BUILDING PERMIT
Sub Type: BLDG-NEW
Doc Date: 08/11/1911
Status: None
Doc Version: None
AKA Address: None
Project Name: None
Disaster ID: None
Subject: None
Product Name: None
Manufacturer's Name: None
Expired Date: None
Receipt Number: None
Case Number: None
Scan Number: None
Dwelling Units: None
Comments: This document shows the following information: Type Const 1 = D; S tories = 2.

Property Address(es)
693 E 50TH ST

Legal Description(s)
Tract:
Block: **Lot:** **Arb:**
Modifier: **Map Reference:**

PIN(s)
111A207 193

Assessor Number(s)
5108-011-909

District Offices(s)
LA

Film RBF
Type: HIST P1021; 002; 0915

****

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Locations: Metro - 201 N. Figueroa St., 1st Floor Rm. 110, Los Angeles CA 90012
Van Nuys - 6262 Van Nuys Blvd, 2nd Floor Van Nuys CA 91401

Bldg. Form 2

All Applications must be filled out by Applicant

PLANS AND SPECIFICATIONS and other data must also be filed

2

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

Application for the Erection of Frame Buildings

CLASS "D"

To the Board of Public Works of the City of Los Angeles:

Application is hereby made to the Board of Public Works of the City of Los Angeles, through the office of the Chief Inspector of Buildings, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO ROOM No. 6 FIRST FLOOR
CITY CLERK PLEASE VERIFY

Lot 18 Block C
(Description of Property)
W. L. Holmby Place
Dist. No. 15 M. B. Page 3 F. B. Page 14

O.K. City Clerk By Deputy

TAKE TO ROOM No. 405 SOUTH ANNEX
ENGINEER PLEASE VERIFY

No. 723 1/2 S
(Location of Job)
Street

O.K. City Engineer By Deputy

(USE INK OR INDELIBLE PENCIL)

1. Purpose of Building Residence No. of Rooms 4 No. of Families one
2. Owner's name John Assalane Phone 10278 5m
3. Owner's address 725 S Sc O
4. Architect's name owner Phone
5. Contractor's name Colin D Dick Phone 380460
6. Contractor's address 262 S Bo
7. VALUATION OF PROPOSED WORK {Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.} $ 1300.00
8. Is there any existing (old) building on lot? yes one What for? Residence one family
9. Size of proposed building 18 ft x 38 ft Height to highest point 14 feet
10. Number of Stories in height one Character of ground Sandy level
11. Material of foundation Concrete Size of footings 11" Size of wall 12" Depth below ground 6"
12. Material of chimneys xxx Number of inlets to flue Interior size of flues x
13. Give sizes of following materials: REDWOOD MUDSILLS 2" x 6" Girders 4" x 4"
    EXTERIOR studs 2" x 3" INTERIOR BEARING studs 2" x 3" Interior Non-Bearing studs 2" x 3" Ceiling joist 2" x 8" Roof rafters 2" x 4" FIRST FLOOR JOISTS 2" x 6"
    Second floor joists 2" x " Specify material of roof Composition
14. Will all provisions of State Dwelling House Act be complied with? yes

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign here) Colin D Dick
(Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Permit issued
31077	RJN Plan Examiner.	NOV 10 1921 Clerk.	NOV 1921 BUILDING

Odd Sheet

REMARKS

Bldg. Form 2

All Applications must be filled out by Applicant

PLANS AND SPECIFICATIONS and other data must also be filed

2

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

Application for the Erection of Frame Buildings

CLASS "D"

To the Board of Public Works of the City of Los Angeles:

Application is hereby made to the Board of Public Works of the City of Los Angeles, through the office of the Chief Inspector of Buildings, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

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Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO ROOM No. 6 FIRST FLOOR

CITY CLERK PLEASE VERIFY

Lot 18 Block C
(Description of Property)

McKinley

Dist. No. 15 M. B. Page 5 F. B. Page 144

O.K. City Clerk By Deputy

TAKE TO ROOM No. 405 SOUTH ANNEX

ENGINEER PLEASE VERIFY

No. 723
(Location of Job)

E 50th Street

O.K. City Engineer By Deputy

(USE INK OR INDELIBLE PENCIL)

1. Purpose of Building Residence No. of Rooms 4 No. of Families one
2. Owner's name John Arrelame Phone 22785 m
3. Owner's address 725 E 50
4. Architect's name owner Phone
5. Contractor's name Colin D Dick Phone 280460
6. Contractor's address 262 E 50
7. VALUATION OF PROPOSED WORK {Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.} $ 1200.00
8. Is there any existing (old) building on lot? yes one What for? Residence one family
9. Size of proposed building 18 ft x 28 f Height to highest point 14 feet
10. Number of Stories in height one Character of ground sandy level
11. Material of foundation concrete Size of footings 12" Size of wall 12" Depth below ground 6"
12. Material of chimneys non Number of inlets to flue Interior size of flues x
13. Give sizes of following materials: REDWOOD MUDSILLS 2" x 6" Girders 4" x 4" EXTERIOR studs 2" x 3" INTERIOR BEARING studs 2" x 3" Interior Non-Bearing studs 2" x 3" Ceiling joist 2" x 3" Roof rafters 2" x 4" FIRST FLOOR JOISTS 2" x 6" Second floor joists 2" x 3 Specify material of roof Composition
14. Will all provisions of State Dwelling House Act be complied with? yes

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign here) Colin D Dick
(Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Stamp there when permit is issued.
31078	NJN Plan Examiner.	NOV 10 1921 Clerk.	1921 ISSUED

PLANS

W M Smith

REMARKS

Bldg. Form 2

All Applications must be filled out by Applicant

2

PLANS AND SPECIFICATIONS and other data must also be filed

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

Application for the Erection of Frame Buildings

CLASS "D"

To the Board of Public Works of the City of Los Angeles:

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Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO ROOM No. 6 FIRST FLOOR CITY CLERK PLEASE VERIFY

Lot 18 Block C (Description of Property)

McKinley Place

Dist. No. ..... M. B. Page ..... F. B. Page .....

O.K. City Clerk By ..... Deputy

TAKE TO ROOM No. 405 SOUTH ANNEX ENGINEER PLEASE VERIFY

No. 727½ (Location of Job)

E 50th Street

O.K. City Engineer By ..... Deputy

(USE INK OR INDELIBLE PENCIL)

1. Purpose of Building Residence No. of Rooms 4 No. of Families one family
2. Owner's name John asselame Phone sw 2786 m
3. Owner's address 725 E 50
4. Architect's name owner Phone
5. Contractor's name Colin D Dick Phone 280 460
6. Contractor's address 262 E 50
7. VALUATION OF PROPOSED WORK {Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.} $ 1200.00
8. Is there any existing (old) building on lot? yes one What for? Residence one family
9. Size of proposed building 18 ft x 28 ft Height to highest point 14 feet
10. Number of Stories in height one Character of ground sandy level
11. Material of foundation Concrete Size of footings 12" Size of wall 12" Depth below ground 6"
12. Material of chimneys non Number of inlets to flue ..... Interior size of flues ..... x .....
13. Give sizes of following materials: REDWOOD MUDSILLS 2" x 6" Girders 4" x 4" EXTERIOR studs 2" x 3" INTERIOR BEARING studs 2" x 3" Interior Non-Bearing studs 2" x 3" Ceiling joist 2" x 3" Roof rafters 2" x 4" FIRST FLOOR JOISTS 2" x 6" Second floor joists ~~2" x 4"~~ 2" x 3" Specify material of roof composition
14. Will all provisions of State Dwelling House Act be complied with? yes

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign here) Colin D Dick (Owner or Authorized Agent)

FOR DEPARTMENT USE ONLY

PERMIT NO. 31080	Plans and specifications checked and found to conform to Ordinances, State Laws, etc. RJN Plan Examiner.	Applicant's Name and Address	Stamp here when permit is
		ISSUED NOV 10 1921 L.A. Bldg. Dept.	ISSUED NOV 10 1921 L.A. Bldg. Dept.

PLANS

Plans

W. Smith Jr.

REMARKS

Bldg. Form 2

All Applications must be filled out by Applicant

2

PLANS AND SPECIFICATIONS
and other data must also be filed

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

Application for the Erection of Frame Buildings

CLASS "D"

To the Board of Public Works of the City of Los Angeles:

Application is hereby made to the Board of Public Works of the City of Los Angeles, through the office of the Chief Inspector of Buildings, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

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TAKE TO ROOM No. 6 FIRST FLOOR
CITY CLERK PLEASE VERIFY

Lot..... Block.....
(Description of Property)

Dist. No..... M. B. Page..... F. B. Page.....

O.K. City Clerk By..... Deputy

TAKE TO ROOM No. 405 SOUTH ANNEX
ENGINEER PLEASE VERIFY

No.....
(Location of Job).
725 E 50 Street

O.K. City Engineer By..... Deputy

(USE INK OR INDELIBLE PENCIL)

1. Purpose of Building Private Garage No. of Rooms 2 No. of Families.....
2. Owner's name John Arsalame Phone.....
3. Owner's address 725 E 50
4. Architect's name owner Phone.....
5. Contractor's name..... Phone.....
6. Contractor's address.....
7. VALUATION OF PROPOSED WORK {Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.} $ 150.00
8. Is there any existing (old) building on lot? yes What for? sheds' dwellings
9. Size of proposed building 18 f x 20 f Height to highest point 12 ft feet
10. Number of Stories in height one Character of ground sandy level
11. Material of foundation concrete Size of footings slab Size of wall..... Depth below ground.....
12. Material of chimneys..... Number of inlets to flue..... Interior size of flues..... x.....
13. Give sizes of following materials: REDWOOD MUDSILLS 2 in x 6 in Girders slab x
EXTERIOR studs 2 x 3 INTERIOR BEARING studs 2 x 3 Interior Non-Bearing studs 2 x 3 Ceiling joist 2 x 3 Roof rafters 2 x 3 FIRST FLOOR JOISTS slab x
Second floor joists..... x..... Specify material of roof composition
14. Will all provisions of State Dwelling House Act be complied with? yes

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER (Sign here) [signature]
(Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Stamp here when permit is issued
357	Plan Examiner.	1/4 Hmc Clerk.	ISSUED JAN 4 1922 L.A.

W. W. Smith Jr

REMARKS

All Applications must be filled out by Applicant

Bldg. Form 2

PLANS AND SPECIFICATIONS and other data must also be filed

2

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

Application for the Erection of Frame Buildings

CLASS "D"

To the Board of Public Works of the City of Los Angeles:

Application is hereby made to the Board of Public Works of the City of Los Angeles, through the office of the Chief Inspector of Buildings, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

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Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO REAR OF NORTH ANNEX 1st FLOOR

CITY CLERK PLEASE VERIFY

Lot No. 16 Block ..... (Description of Property)

District No. ..... M. B. Page ..... F. B. Page .....

O. K. City Clerk By ..... Deputy

TAKE TO ROOM No. 405 SOUTH ANNEX

ENGINEER PLEASE VERIFY

No. 733 - E 50 St Street (Location of Job)

O.K. City Engineer By ..... Deputy.

(USE INK OR INDELIBLE PENCIL)

1. Purpose of Building Garage Pvt No. of Rooms [illegible] No. of Families .....
2. Owner's name Peter Czarniak Phone .....
3. Owner's address 733 - E - 50 St
4. Architect's name ..... Phone .....
5. Contractor's name ..... Phone .....
6. Contractor's address .....
7. VALUATION OF PROPOSED WORK (Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.) $ 150
8. Is there any existing (old) building on lot? [illegible] How used? Razdeen 1 Family
9. Size of proposed building 18 x 20 Height to highest point 10½ feet
10. Number of Stories in height 10½ Feet Character of ground San
11. Material of foundation Semet Size of footings ..... Size of wall ..... Depth below ground .....
12. Material of chimneys ..... Number of inlets to flue ..... Interior size of flues ..... x .....
13. Give sizes of following materials: REDWOOD MUDSILLS 2 x 6 Girders [illegible]
    EXTERIOR studs 2 x 3 6 INTERIOR BEARING studs ..... x ..... Interior Non-Bearing studs ..... x ..... Ceiling joists ..... x ..... Roof rafters ..... x ..... FIRST FLOOR JOISTS [illegible]
    Second floor joists ..... x ..... Specify material of roof Semet
14. Will all provisions of State Dwelling House Act be complied with? .....

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign here) Peter Czarniak (Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Stamp here when permit is issued
5291	Plan Examiner	2/17 [illegible] Clerk	ISSUED FEB 17 1922 L.A. Bldg. Dept.

W. W. Smith Jr.

150

REMARKS

All Applications must be filled out by Applicant

Bldg. Form 2

PLANS AND SPECIFICATIONS and other data must also be filed

2

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

Application for the Erection of Frame Buildings

CLASS "D"

To the Board of Public Works of the City of Los Angeles:

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Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO REAR OF NORTH ANNEX 1st FLOOR

CITY CLERK PLEASE VERIFY

Lot No. 22 Block C
(Description of Property)

McKinley Place

District No. 15 M. B. Page 5 F. B. Page 144

O. K. City Clerk By Deputy

TAKE TO ROOM No. 405 SOUTH ANNEX

ENGINEER PLEASE VERIFY

No. 709 E 50th St Street
(Location of Job)

Betw McKinley & So Park

O.K. City Engineer By Deputy

(USE INK OR INDELIBLE PENCIL)

1. Purpose of Building Rent. Bungalow No. of Rooms 3 No. of Families 1
2. Owner's name Peter Sims Phone S 3284
3. Owner's address 702 E. 40 St.
4. Architect's name H. Gilbert Bros. Phone
5. Contractor's name H. " " " Phone S. 4337R
6. Contractor's address 233 W 28 St.
7. VALUATION OF PROPOSED WORK (Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.) $ 2000.00
8. Is there any existing (old) building on lot? 7 How used? Rent.
9. Size of proposed building 15.8" x 38 Height to highest point 16 feet
10. Number of Stories in height 7 Character of ground Sand.
11. Material of foundation cement machine 17 Size of footings 12 Size of wall 6 tap Depth below ground 6x12
12. Material of chimneys — Number of inlets to flue — Interior size of flues — x —
13. Give sizes of following materials: REDWOOD MUDSILLS 2 x 6 Girders 4 x 4 4x6"
EXTERIOR studs 2 x 3 INTERIOR BEARING studs 2 x 3 Interior Non-Bearing studs 2 x 3 Ceiling joists 2 x 4 Roof rafters 2 x 4 FIRST FLOOR JOISTS 2 x 6
Second floor joists — x — Specify material of roof Shingles
14. Will all provisions of State Dwelling House Act be complied with? Yes

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign here) Gilbert Bros.
(Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Stamp here when permit is issued.
10950	W E Wilson, Plan Examiner	4/4/22 Mo G. Mo S.B. Ford Clerk	ISSUED APR 4 1922 L.A. Bldg. Dep.

1C PLANS

W U Smith Jr.

REMARKS

All Applications must be filled out by Applicant

Bldg. Form 2

PLANS AND SPECIFICATIONS and other data must also be filed

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

2 Application for the Erection of Frame Buildings

CLASS "D"

To the Board of Public Works of the City of Los Angeles:

Application is hereby made to the Board of Public Works of the City of Los Angeles, through the office of the Chief Inspector of Buildings, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO REAR OF NORTH ANNEX 1st FLOOR CITY CLERK PLEASE VERIFY

Lot No. 24 Twenty four Block C

(Description of Property)

of McKinley Place as per map recorded in book 5 Page 119 in the office of the County Recorder of Los Angeles Co.

District No. ..... M. B. Page ..... F. B. Page .....

O.K. City Clerk ..... Deputy

By ..... Deputy

TAKE TO ROOM No. 405 SOUTH ANNEX ENGINEER PLEASE VERIFY

No. 701 East 50th St. Street

(Location of Job)

701 East 50th St. Bet. So. Park & McKinley

O.K. City Engineer ..... Deputy

By .....

(USE INK OR INDELIBLE PENCIL)

1. Purpose of Building Pr Garage No. of Rooms ..... No. of Families .....
2. Owner's name Mrs. Florence M. Throop Phone S 3382
3. Owner's address 701 East 50th St. Los Angeles
4. Architect's name ..... Phone .....
5. Contractor's name owner Phone .....
6. Contractor's address .....
7. VALUATION OF PROPOSED WORK (Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.) $ 250 00
8. Is there any existing (old) building on lot? yes How used? residence
9. Size of proposed building 14 x 18 Height to highest point 9-10 feet
10. Number of Stories in height 1 Character of ground Loam
11. Material of foundation Concrete floor Size of footings ..... Size of wall ..... Depth below ground .....
12. Material of chimneys ..... Number of inlets to flue ..... Interior size of flues Slab
13. Give sizes of following materials: REDWOOD MUDSILLS 2 x 6 Girders Slab
    EXTERIOR studs ..... x ..... INTERIOR BEARING studs 2 x 3 Interior Non-Bearing studs
    ..... x ..... Ceiling joists 2 x 3 Roof rafters 2 x 3 FIRST FLOOR JOISTS Slab
    Second floor joists ..... x ..... Specify material of roof Paper
14. Will all provisions of State Dwelling House Act be complied with? Yes

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign here) P. H. Throop

(Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O.K.	Stamp here when permit is issued.
41212	..... Plan Examiner	..... Clerk	ISSUED NOV 13 1922

Smith

150

FOR DEPARTMENT USE ONLY

APPLICATION	O. K.
CONSTRUCTION	O. K.
ZONING	O. K.
SET-BACK LINE	O. K.
ORD. 33761 (N. S.)	O. K.
FIRE DISTRICT	O. K.

REMARKS

All Applications must be filled out by Applicant

Bldg. Form 2

PLANS AND SPECIFICATIONS and other data must also be filed

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

2 Application for the Erection of Frame Buildings

CLASS "D"

To the Board of Public Works of the City of Los Angeles:

Application is hereby made to the Board of Public Works of the City of Los Angeles, through the office of the Chief Inspector of Buildings, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

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Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO REAR OF NORTH ANNEX 1st FLOOR CITY CLERK PLEASE VERIFY

Lot No. 24 Twenty four Block C

(Description of Property)

of Mc Kinley Place as per map recorded in book 5 Page 119 in the office of the County Recorder of Los Angeles Co.

District No. ..... M. B. Page ..... F. B. Page .....

O.K. City Clerk ..... Deputy

By .....

TAKE TO ROOM No. 405 SOUTH ANNEX ENGINEER PLEASE VERIFY

No. 701 East 50th St. Street

(Location of Job)

701 East 50th St. Bet So. Park & McKinley

O.K. City Engineer ..... Deputy

By .....

(USE INK OR INDELIBLE PENCIL)

1. Purpose of Building Pr Garage No. of Rooms ..... No. of Families .....
2. Owner's name Mrs. Florence M. Throop Phone S 3382
3. Owner's address 701 East 50th St. Los Angeles
4. Architect's name ..... Phone .....
5. Contractor's name owner Phone .....
6. Contractor's address .....
7. VALUATION OF PROPOSED WORK (Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.) $ 250 00
8. Is there any existing (old) building on lot? yes How used? residence
9. Size of proposed building 14 x 18 Height to highest point 9-10 feet
10. Number of Stories in height 1 Character of ground loam
11. Material of foundation Concrete floor Size of footings ..... Size of wall ..... Depth below ground .....
12. Material of chimneys ..... Number of inlets to flue ..... Interior size of flues Slab
13. Give sizes of following materials: REDWOOD MUDSILLS 2 x 6 Girders Slab
    EXTERIOR studs ..... x ..... INTERIOR BEARING studs 2 x 3 Interior Non-Bearing studs
    ..... x ..... Ceiling joists 2 x 3 Roof rafters 2 x 3 FIRST FLOOR JOISTS Slab
    Second floor joists ..... x ..... Specify material of roof Paper
14. Will all provisions of State Dwelling House Act be complied with? Yes

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign here) P. H. Throop

(Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O.K.	Stamp here when permit is issued.
41212	..... Plan Examiner	..... Clerk	ISSUED NOV 13 1922

Smith

150

FOR DEPARTMENT USE ONLY

APPLICATION	O. K.
CONSTRUCTION	O. K.
ZONING	O. K.
SET-BACK LINE	O. K.
ORD. 33761 (N. S.)	O. K.
FIRE DISTRICT	O. K.

REMARKS

All Applications must be filled out by Applicant

Bldg. Form 2

PLANS AND SPECIFICATIONS and other data must also be filed

2

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

Application for the Erection of Frame Buildings

CLASS "D"

To the Board of Public Works of the City of Los Angeles:

Application is hereby made to the Board of Public Works of the City of Los Angeles, through the office of the Chief Inspector of Buildings, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO REAR OF NORTH ANNEX 1st FLOOR CITY CLERK PLEASE VERIFY

Lot No. ~~685~~ 28 Block C. McKinley Fract.
(Description of Property)
4 Stall Gerarge

District No. ..... M. B. Page ..... F. B. Page .....

TAKE TO ROOM No. 405 SOUTH ANNEX ENGINEER PLEASE VERIFY

No. ~~675~~ 685 Est 50th St Street
(Location of Job)
Det San Park & McKinley

(USE INK OR INDELIBLE PENCIL)

O.K. City Clerk ..... By ..... Deputy

O.K. City Engineer ..... By ..... Deputy

1. Purpose of Building Br Gerarge No. of Rooms 4 No. of Families .....
2. Owner's name J. P. Domingos Phone .....
3. Owner's address 670 Est 50th St
4. Architect's name ..... Phone .....
5. Contractor's name ..... Phone .....
6. Contractor's address .....
7. VALUATION OF PROPOSED WORK {Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.} $ ~~200.00~~ 200.00
8. Is there any existing (old) building on lot? Yes How used? [illegible]
9. Size of proposed building 16 x 38 Height to highest point 6" feet
10. Number of Stories in height 1 Character of ground Sandy
11. Material of foundation Cement floor Size of footings ..... Size of wall ..... Depth below ground .....
12. Material of chimneys ..... Number of inlets to flue ..... Interior size of flues ..... x .....
13. Give sizes of following materials: REDWOOD MUDSILLS 3 x 4 Girders [illegible]
EXTERIOR studs 2 x 4 INTERIOR BEARING studs 2 x 4 Interior Non-Bearing studs ..... x ..... Ceiling joists ..... x ..... Roof rafters 2 x 4 FIRST FLOOR JOISTS ..... x .....
Second floor joists ..... x ..... Specify material of roof Paper
14. Will all provisions of State Dwelling House Act be complied with? Yes

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign here) J. P. Domingos
(Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Stamp here when permit issued
3669	Plan Examiner	1/24/23 RHM Clerk	ISSUED JAN 24 1923 L. A. Bldg. Dept.

23 - [illegible]

150

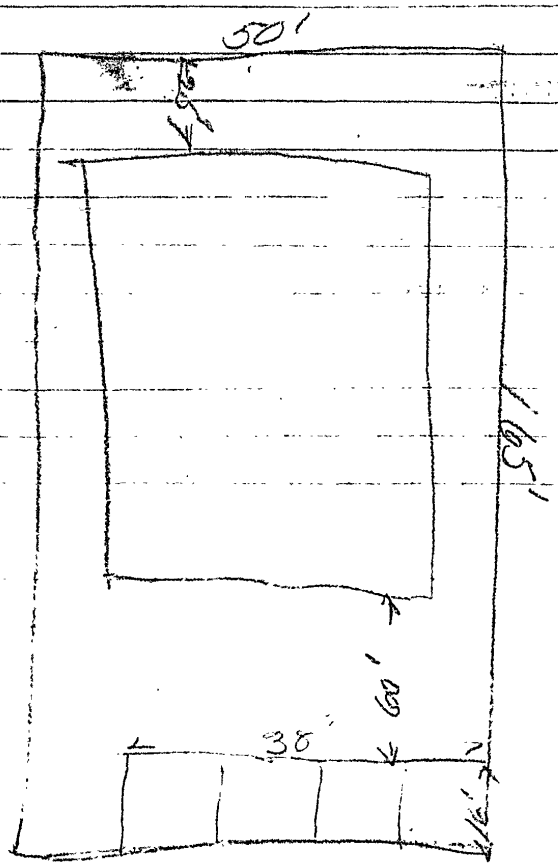
Encl. (over)

FOR DEPARTMENT USE ONLY

APPLICATION	O. K.
CONSTRUCTION	O. K.
ZONING	O. K.
SET-BACK LINE	O. K.
ORD. 33761 (N. S.)	O. K.
FIRE DISTRICT	O. K.

REMARKS

Refused to waive Valuation.
OK? Teal



Print

LA DBS
DEPARTMENT OF BUILDING AND SAFETY

January 13, 2022

Document Report

Documents

Document Number(s)
1925LA43541

Record Description
Record ID: 9074827
Doc Type: BUILDING PERMIT
Sub Type: BLDG-NEW
Doc Date: 12/26/1925
Status: None
Doc Version: None
AKA Address: None
Project Name: None
Disaster ID: None
Subject: None
Product Name: None
Manufacturer's Name: None
Expired Date: None
Receipt Number: None
Case Number: None
Scan Number: None
Dwelling Units: None
Comments: This document shows the following information: Type Const 1 = D; S tories = 1; Units Total = 1.

Property Address(es)
703 E 50TH ST

Legal Description(s)
Tract:
Block: **Lot:** **Arb:**
Modifier: **Map Reference:**

District Offices(s)
LA

Film RBF
Type: HIST P1155; 002; 2192

****

Note: If you have any questions, please visit one of our Records Counter Section open Monday thru Fridays from 7:30 AM to 4:30 PM, EXCEPT on Wednesdays which opens from 9:00 AM to 4:30 PM.

Locations: Metro - 201 N. Figueroa St., 1st Floor Rm. 110, Los Angeles CA 90012
Van Nuys - 6262 Van Nuys Blvd, 2nd Floor Van Nuys CA 91401

Print

LA DBS
DEPARTMENT OF BUILDING AND SAFETY

January 13, 2022

Document Report

Documents

Document Number(s)
1926LA26346

Record Description
Record ID: 9074865
Doc Type: BUILDING PERMIT
Sub Type: BLDG-NEW
Doc Date: 09/13/1926
Status: None
Doc Version: None
AKA Address: None
Project Name: None
Disaster ID: None
Subject: None
Product Name: None
Manufacturer's Name: None
Expired Date: None
Receipt Number: None
Case Number: None
Scan Number: None
Dwelling Units: None
Comments: This document shows the following information: Type Const 1 = D; S tories = 1.

Property Address(es)
719 E 50TH ST

Legal Description(s)
Tract:
Block: **Lot:** **Arb:**
Modifier: **Map Reference:**

District Offices(s)
LA

Film RBF
Type: HIST P1164; 002; 1291

****

Note: If you have any questions, please visit one of our Records Counter Section open Monday thru Fridays from 7:30 AM to 4:30 PM, EXCEPT on Wednesdays which opens from 9:00 AM to 4:30 PM.

Locations: Metro - 201 N. Figueroa St., 1st Floor Rm. 110, Los Angeles CA 90012
Van Nuys - 6262 Van Nuys Blvd, 2nd Floor Van Nuys CA 91401

All Applications Must be Filled out by Applicant

Bldg. Form 2

PLANS AND SPECIFICATIONS and other data must also be filed

BUILDING DIVISION

2

DEPARTMENT OF BUILDING AND SAFETY

Application for the Erection of Frame Buildings

CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safey Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO ROOM No. 248 (2ND FLOOR) CITY CLERK PLEASE VERIFY

Lot No. ..... Block ..... (Description of Property)

O. K. City Clerk By ..... Deputy

District No. ..... M. B. Page ..... F. B. Page .....

TAKE TO ROOM No. 5 (MAIN ST. FLOOR) ENGINEER PLEASE VERIFY

No. Sarah P. Rebrick on Wall St. Street (Location of Job)

711 East 50 St.

O. K. City Engineer By ..... Deputy

(USE INK OR INDELIBLE PENCIL)

1. Purpose of Building Pvt. Garrage No. of Rooms 1 No. of Families .....
2. Owner's name Peter A Sims Phone .....
3. Owner's address 711 East 50 St.
4. Architect's name ..... Phone .....
5. Contractor's name Peter A Sims Phone .....
6. Contractor's address 711 East 50 St 197
7. VALUATION OF PROPOSED WORK {Including all Material, Labor, Finishing Equipment and Appliances in Completed Building.} $ ~~195~~ 0
8. Is there any existing building or permit for a building on lot? Yes How Used? 2 Dwellings 1 Garage Each
9. Size of proposed building 17 x 21 Height to highest point 13 — feet
10. Number of Stories in height One Character of ground Lawn
11. Material of foundation Cement Size of footings 12 Size of wall 8 Depth below ground 6
12. Material of chimneys — Number of Inlets to flue — Interior size of flues — x —
13. Material of exterior walls Wood & Siding
14. Give sizes of following materials: REDWOOD MUDSILLS 3 x 4 Girders — x —
EXTERIOR studs 2 x 4 — INTERIOR BEARING studs — x — Interior Non-Bearing studs x Ceiling joists 2 x 4 Roof rafters 2 x 4 FIRST FLOOR JOISTS Cement
Second floor joists x Specify material of roof Paper
15. Will all provisions of State Housing Act be Complied with? yes
16. What Zone is Property in? .....

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign Here) S. P. Johnson (Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Stamp on permit is issued
24343	Plan Examiner	9-21-29 ZB Lipe No 56 Clerk	ISSUED SEP 21 1929

C. N. Burger

2.00

FOR DEPARTMENT USE ONLY

APPLICATION	O. K:
CONSTRUCTION	O. K.
ZONING	O. K.
SET-BACK LINE	O. K.
ORD. 33761 (N. S.)	O. K.
FIRE DISTRICT	O. K.

REMARKS

17. Will all Lathing and Plastering Comply with Ordinance? No Plastering

This is a replacement Job the Old Garage Burnt

~~There will be an unobstructed~~ passageway, ~~at least 10~~ feet wide, extending from any dwelling on lot to a public ~~street,~~ or to a public alley at least 10 feet in width.

A. R. Johnson
Owner or Authorized Agent

All Applications Must be Filled out by Applicant

Bldg. Form 2

PLANS AND SPECIFICATIONS and other data must also be filed

BUILDING DIVISION

2

DEPARTMENT OF BUILDING AND SAFETY

Application for the Erection of Frame Buildings

CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safey Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

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Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO ROOM No. 248 (2ND FLOOR) CITY CLERK PLEASE VERIFY

Lot No. ..... Block ..... (Description of Property)

O. K. City Clerk By ..... Deputy

District No. ..... M. B. Page ..... F. B. Page .....

TAKE TO ROOM No. 5 (MAIN ST. FLOOR) ENGINEER PLEASE VERIFY

No. Sarah P. Rebrick on Wall St. Street (Location of Job)

711 East 50 St.

O. K. City Engineer By ..... Deputy

(USE INK OR INDELIBLE PENCIL)

1. Purpose of Building Pvt. Garrage No. of Rooms 1 No. of Families .....
2. Owner's name Peter A Sims Phone .....
3. Owner's address 711 East 50 St.
4. Architect's name ..... Phone .....
5. Contractor's name Peter A Sims. Phone .....
6. Contractor's address 711 East 50 St 197
7. VALUATION OF PROPOSED WORK {Including all Material, Labor, Finishing Equipment and Appliances in Completed Building.} $ ~~195~~ 0
8. Is there any existing building or permit for a building on lot? Yes How Used? 2 Dwellings 1 Garage Each
9. Size of proposed building 17 x 21 Height to highest point 13 — feet
10. Number of Stories in height One Character of ground Lawn
11. Material of foundation Cement Size of footings 12 Size of wall 8 Depth below ground 6
12. Material of chimneys — Number of Inlets to flue — Interior size of flues — x —
13. Material of exterior walls Wood & Siding
14. Give sizes of following materials: REDWOOD MUDSILLS 3 x 4 Girders — x —
EXTERIOR studs 2 x 4 — INTERIOR BEARING studs — x — Interior Non-Bearing studs x Ceiling joists 2 x 4 Roof rafters 2 x 4 FIRST FLOOR JOISTS Cement
Second floor joists x Specify material of roof Paper
15. Will all provisions of State Housing Act be Complied with? yes
16. What Zone is Property in? .....

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign Here) S. P. Johnson (Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Stamp on permit is issued
24343	Plan Examiner	9-21-29 ZB Lipe No 56 Clerk	ISSUED SEP 21 1929

C. N. Burger

2.00

FOR DEPARTMENT USE ONLY

APPLICATION	O. K:
CONSTRUCTION	O. K.
ZONING	O. K.
SET-BACK LINE	O. K.
ORD. 33761 (N. S.)	O. K.
FIRE DISTRICT	O. K.

REMARKS

17. Will all Lathing and Plastering Comply with Ordinance? No Plastering

This is a replacement Job the Old Garage Burnt

~~There will be an unobstructed~~ passageway, ~~at least 10~~ feet wide, extending from any dwelling on lot to a public ~~street,~~ or to a public alley at least 10 feet in width.

A. R. Johnson
Owner or Authorized Agent

All applications must be filled out by applicant.

WARD 6

Applicant must indicate the Building Line or Lines clearly and distinctly on the drawings.

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

Application to Alter, Repair or Demolish

Application is hereby made to the Chief Inspector of Buildings of the City of Los Angeles, for the approval of the detailed statement of the specifications herewith submitted for the alteration, repair or demolition of the building herein described. All provisions of the Building Ordinances shall be complied with in the alteration, repair or demolition of said building, whether specified or not.

(Sign here) Mattie E. Kelley

Los Angeles, Cal., OCT 5 1909, 190

CITY ASSESSOR: Please Verify

TAKE TO ROOM NO 6 FIRST FLOOR

REMOVED FROM	REMOVED TO
Lot 16, Block C	Lot ..., Block ...
Tract ...	Tract ...
W C Kurtz Tract	
Move from Rear to front of Lot.	
Book 15 Page 5 F. B. Page M	Book ... Page ... F. B. Page ...

TAKE TO ROOM NO. 34 THIRD FLOOR

CITY ENGINEER: Please Verify Street Number

From No. 733 East 50th St. To No. ...

1. Owner's name Mattie E. Kelley
2. Owner's address 733 - E - 50th St.
3. Architect's name ...
4. Builder's name Mattie E. Kelley
5. Builder's address 733 - E - 50th St.
6. Entire cost of the Proposed Improvements, $ Five hundred dollars $500.00
7. Purpose of building For residence
8. Class of building Frame No. of rooms at present Five
9. No. of stories in height One Size of building 24 x 28
10. Size of addition 9 x 12
11. Material of foundation Brick Size Footing 12" Size of wall 8"
12. Size of exterior studs ... x ... Interior studs ... x ...
13. Size of mud sills 2 x 6 Bearing studs ... x ...
14. Size of first floor joist 2 x 6 Second floor joist ... x ...
15. State on following lines just what you want to do: Move building from rear of lot to front, put new brick foundation under it, build on one more room, & put an addition on the porch, & add gable dormer

Permit No. 6204

4

All applications must be filled out by applicant.
(USE INK OR INDELIBLE PENCIL)

WARD 6

PLANS AND SPECIFICATIONS and other data must also be filed.

3

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

Application to Alter, Repair or Demolish

To the Board of Public Works of the City of Los Angeles:

Application is hereby made to the Board of Public Works of the City of Los Angeles, through the office of the Chief Inspector of Buildings, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

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Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be, prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

(SIGN HERE) Ballinger & O'Brien (Applicant)

CITY ASSESSOR: PLEASE VERIFY.

TAKE TO ROOM NO. 6 FIRST FLOOR

REMOVED FROM	REMOVED TO
Lot 10 Block C	Lot 19 Block 9
Tract	Tract Potters Woodlawn
McKinley Place	
Book Page F.B. Page	Book Page F.B. Page

O. K. City Assessor By Deputy

TAKE TO ROOM NO. 34 THIRD FLOOR

CITY ENGINEER: PLEASE VERIFY STREET NUMBER.

From No. 753 E. Jefferson 755 E 50th St

To No. 176 E Jefferson St

O.K. City Engineer By Deputy

1. Owner's name Ballinger & O'Brien
2. Owner's Address Cor. Main & Jefferson
3. Architect's name
4. Contractor's name W S Davis
5. Contractor's address 120 E—19th St
6. Entire cost of the proposed improvements, $ 100
7. Purpose of the building Residence
8. Class of building R No. of rooms at present
9. No. of stories in height 1 Size of present building 25 x 30
10. Size of new addition — x — No of stories in height
11. Material of foundation Rock Size footing 12 Size of wall 8 Depth below ground 6
12. Size of Redwood Mudsills 2 x 6 Size of exterior studs x
13. Size of interior bearing studs x Size of interior non-bearing studs x
14. Size of first floor joist x Second floor joist x
15. STATE ON FOLLOWING LINES JUST WHAT YOU WANT TO DO.

Money

SEP 13 1912

Date issued, 191

PERMIT NO. 11202

Application Received EBK

OVER

REMARKS

Application Received.....Time.....Returned .....

All Applications must be filled out by Applicant

Bldg. Form 3

PLANS AND SPECIFICATIONS and other data must also be filed

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

3

Application to Alter, Repair or Demolish

To the Board of Public Works of the City of Los Angeles:

Application is hereby made to the Board of Public Works of the City of Los Angeles, through the office of the Chief Inspector of Buildings, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

	REMOVED FROM	REMOVED TO
TAKE TO REAR OF NORTH ANNEX 1st FLOOR	Lot 11 Block C	Lot 14 Block C
CITY CLERK PLEASE VERIFY	Tract McKinley Place	Tract McKinley Place
	Book 5 Page 5 F. B. Page	Book 5 Page 5 F. B. Page
TAKE TO ROOM No. 405 SOUTH ANNEX ENGINEER PLEASE VERIFY	From No. 748 E 49th St — } So Park & McKinley Street	
	To No. 743 E 50th St — } So Park & McKinley Street	

O.K. City Clerk By Deputy

O.K. City Engineer By Deputy

(USE INK OR INDELIBLE PENCIL)

1. What purpose is the present Building now used for? ~~Family~~ Res. 1 family
2. What purpose will Building be used for hereafter? 2 Dwelling 1 11
3. Owner's name J. P. Kastelens Phone None
4. Owner's address 9711 E. 50 St.
5. Architect's name Phone
6. Contractor's name Phone
7. Contractor's address
8. VALUATION OF PROPOSED WORK (Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.) $ 750.00
9. Class of present Building D No. of rooms at present 4
10. Number of stories in height 1 Size of present Building 28 x 30
11. State how many buildings are on this lot 1 Family
12. State purpose buildings on lot are used for 1 Dwelling & Garage (Tenement House, Hotel, Residence, or any other purpose.)

STATE ON FOLLOWING LINES EXACTLY WHAT ALTERATIONS, ADDITIONS, ETC., WILL BE MADE TO THIS BUILDING:

To remove Building from Lot 11 McKinley Place to E½ of Lot 14 McKinley Place for Dwelling

To erect new foundation & add new front porch

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign here) [signature]
(Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Stamp here when permit is issued
30089	Plan Examiner	7/3/23 Clerk	ISSUED JUL 3 1923 LOS ANGELES

Ord. No. [illegible]

25-0

13. Size of new addition 8 X 16 Screen Porch x No. of Stories in height 1

14. Material of foundation Redwood Mudsill Size footings Size wall Depth below ground

15. Size of Redwood Mudsills 2 X 6 x Size of interior bearing studs 2 X 3 x

16. Size of exterior studs ✓ x 3 Size of interior non-bearing studs x

17. Size of first floor joists 2 X 6 x Second floor joists ✓ x

18. Will all provisions of State Dwelling House Act be complied with? Yes -

I have carefully examined and read the above blank and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

(Sign here) J. E. Carlyle
(Owner or Authorized Agent)

FOR DEPARTMENT USE ONLY

APPLICATION	O. K.
CONSTRUCTION	O. K.
ZONING	O. K.
SET-BACK LINE	O. K.
ORD. 33761 (N. S.)	O. K.
FIRE DISTRICT	O. K.

REMARKS

I hereby agree to locate and erect this building or structure and every portion thereof, except unenclosed porches, back a distance from the front property line equal to the set-back line of the nearest building now erected on any lot in this block in Zone "A" or "B" on the same side of the street.

J. R. Hutchens
Owner.

No Nissary windows will be Covered

— J R Hutchens
By
J E Carlyle

All Applications Must be Filled Out by Applicant

Bldg. Form 3

PLANS AND SPECIFICATIONS and other data must also be filed

3

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

Application to Alter, Repair or Demolish

To the Board of Public Works of the City of Los Angeles:

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Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

	REMOVED FROM	REMOVED TO
TAKE TO ROOM No. 6 REAR OF NORTH ANNEX 1st FLOOR CITY CLERK PLEASE VERIFY	Lot 12 Block C Tract McKinley 23	Lot 5 Block Tract 291
TAKE TO ROOM No. 405 SOUTH ANNEX ENGINEER PLEASE VERIFY	Book 23 Page 1 F. B. Page 25 From No. 749 E 50th Street To No. 818 W 60th St - Bet Hoover & Menlo Street	Book Page F. B. Page

O.K. City Clerk By Deputy

O.K. City Engineer By Deputy

(USE INK OR INDELIBLE PENCIL)

1. What purpose is the present Building now used for? Residence / fam
2. What purpose will Building be used for hereafter? Residences / fam
3. Owner's name Armina B. Mayo Phone none
4. Owner's address 814 W 60 St
5. Architect's name none Phone
6. Contractor's name O.H. Mayo Phone none
7. Contractor's address 814 W 60
8. VALUATION OF PROPOSED WORK (Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.) $1250.00
9. Class of present Building Frame No. of rooms at present 6
10. Number of stories in height 1 Size of present Building 32 x 50
11. State how many buildings are on this lot none
12. State purpose buildings on lot are used for (Apartment House, Hotel, Residence, or any other purpose.)

STATE ON FOLLOWING LINES EXACTLY WHAT ALTERATIONS, ADDITIONS, ETC., WILL BE MADE TO THIS BUILDING:

None Except foundation moving this house from 749 E 50 St to 818 W 60 St / repairing roof Connect plumbing gas & sewer

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign here) O.H. Mayo
(Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Stamp here when permit is issued.
35328 35328	Plan Examiner	Clerk	ISSUED SEP 2 1924 L.A. Bldg. Dept.

O.H. Harrison Jr.

3.60

13. Size of new addition ..... x ..... No. of Stories in height .....

14. Material of exterior walls .....

15. Will all provisions of State Housing Act be complied with? Yes.

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

(Sign here) O S Mayer
(Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

APPLICATION	O. K.
CONSTRUCTION	O. K.
ZONING	O. K.
SET-BACK LINE	O. K.
ORD. 33761 (N. S.)	O. K.
FIRE DISTRICT	O. K.

REMARKS

Valuation reduced as it included cost of the building on old lot

O S Mayer

All Applications Must be Filled Out by Applicant

Bldg. Form 3

PLANS AND SPECIFICATIONS and other data must also be filed

3

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

Application to Alter, Repair or Demolish

To the Board of Public Works of the City of Los Angeles:

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Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

	REMOVED FROM	REMOVED TO
TAKE TO ROOM No. 6 REAR OF NORTH ANNEX 1st FLOOR CITY CLERK PLEASE VERIFY	Lot 12 Block C Tract McKinley Book 23 Page 1 F. B. Page 25	Lot 5 Block Tract 291 Book Page F. B. Page
TAKE TO ROOM No. 405 SOUTH ANNEX ENGINEER PLEASE VERIFY	From No. 749 E 50th Street To No. 818 W 60th St - Bet Hoover & Menlo Street	O.K. City Clerk By Deputy O.K. City Engineer By Deputy

(USE INK OR INDELIBLE PENCIL)

1. What purpose is the present Building now used for? Residence / fam
2. What purpose will Building be used for hereafter? Residences / fam
3. Owner's name Armina B. Mayo Phone none
4. Owner's address 814 W 60 St
5. Architect's name none Phone
6. Contractor's name O.H. Mayo Phone none
7. Contractor's address 814 W 60
8. VALUATION OF PROPOSED WORK (Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.) $1250.00
9. Class of present Building Frame No. of rooms at present 6
10. Number of stories in height 1 Size of present Building 32 x 50
11. State how many buildings are on this lot none
12. State purpose buildings on lot are used for (Apartment House, Hotel, Residence, or any other purpose.)

STATE ON FOLLOWING LINES EXACTLY WHAT ALTERATIONS, ADDITIONS, ETC., WILL BE MADE TO THIS BUILDING:

None Except foundation moving this house from 749 E 50 St to 818 W 60 St / repairing roof Connect plumbing gas & sewer

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign here) O.H. Mayo
(Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Stamp here when permit is issued
35328 35328	Plan Examiner	Clerk	ISSUED SEP 2 1924 L.A. Bldg. Dept.

O.H. Harrison Jr.

3.60

13. Size of new addition ..... x ..... No. of Stories in height .....

14. Material of exterior walls .....

15. Will all provisions of State Housing Act be complied with? Yes.

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

(Sign here) O S Mayer
(Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

APPLICATION	O. K.
CONSTRUCTION	O. K.
ZONING	O. K.
SET-BACK LINE	O. K.
ORD. 33761 (N. S.)	O. K.
FIRE DISTRICT	O. K.

REMARKS

Valuation reduced as it included cost of the building on old lot

O S Mayer

All Applications Must be Filled Out by Applicant

Bldg. Form 3

PLANS AND SPECIFICATIONS and other data must also be filed

3

DEPARTMENT OF BUILDING AND SAFETY

Application to Alter, Repair or Demolish

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

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Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

	REMOVED FROM	REMOVED TO
TAKE TO ROOM No. 6 REAR OF NORTH ANNEX 1st FLOOR CITY CLERK PLEASE VERIFY	Lot 16 Block C Tract Mc Kinley Place	Lot 16 Block C Tract Mc Kinley Place
TAKE TO FIRST FLOOR 242 SO. BROADWAY ENGINEER PLEASE VERIFY	Book 15 Page 5 F. B. Page 159 From No. 733 E 50th St Bet McKinley Street To No. 733 E 50th St. & So Park Street	Book 15 Page 5 F. B. Page 159

O.K. City Clerk By Swearingen Deputy

O.K. City Engineer By [signature] Deputy

(USE INK OR INDELIBLE PENCIL)

1. What purpose is the present Building now used for? Res Jam
2. What purpose will Building be used for hereafter? Same
3. Owner's name Peter Czerniak Phone
4. Owner's address 733 - E. 50 St
5. Architect's name Phone
6. Contractor's name Peter Czerniak Phone
7. Contractor's address
8. VALUATION OF PROPOSED WORK (Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.) $ 150.00
9. Class of present Building frame No. of rooms at present 5
10. Number of stories in height 1 Size of present Building 26 x 30
11. State how many buildings are on this lot 1
12. State purpose buildings on lot are used for Residence Jam (Apartment House, Hotel, Residence, or any other purpose.)

STATE ON FOLLOWING LINES EXACTLY WHAT ALTERATIONS, ADDITIONS, ETC., WILL BE MADE TO THIS BUILDING:

Bldg Moved
733 - E 50 St to be moved on same lot 94-ft from sidewalk and 3 ft from west side line New

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign here) Peter Czerniak (Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Stamp here when permit is issued
35868	Plan Examiner	10/19/25 ZB No SB Clerk	OCT 19 1925

[signature]

1.50

None

13. Size of new addition ..... x ..... No. of Stories in height .....

14. Material of foundation Cement Size footings ..... Size wall 6 Depth below ground 18

15. Size of Redwood Mudsills 2 x 6 Size of interior bearing studs 2 x 4

16. Size of exterior studs 2 x 4 Size of interior non-bearing studs 2 x 4

17. Size of first floor joists 2 x 6 Second floor joists ..... x .....

18. Will all provisions of State Housing Act be complied with? Yes

I have carefully examined and read the above blank and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

(Sign here) Peter Czerniak
(Owner or Authorized Agent)

FOR DEPARTMENT USE ONLY

APPLICATION	O. K. HC
CONSTRUCTION	O. K. HC
ZONING	O. K. HC
SET-BACK LINE	O. K. HC
ORD. 33761 (N. S.)	O. K. HC
FIRE DISTRICT	O. K. HC

REMARKS

There [illegible] at least 10 feet wide, [illegible] to a public street, or to a [illegible] 10 feet in width.

Owner or Authorized Agent

Peter Czerniak

All Applications Must be Filled Out by Applicant

Bldg. Form 3

PLANS AND SPECIFICATIONS and other data must also be filed

3

DEPARTMENT OF BUILDING AND SAFETY

Application to Alter, Repair or Demolish

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Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO ROOM No. 6 REAR OF NORTH ANNEX 1st FLOOR CITY CLERK PLEASE VERIFY

TAKE TO FIRST FLOOR 242 SO. BROADWAY ENGINEER PLEASE VERIFY

	REMOVED FROM	REMOVED TO
Lot	14	16
Block	C	C
Tract	Mc Kenley Place	Mc Kenley Place
Book	15	15
Page	5	5
F. B. Page	159	159
From No. / Street	741 E 50th St	Bet McKinley & Lo Park
To No. / Street	731 E 50th St.	

O.K. City Clerk Sue Davis

O.K. City Engineer By Dennis

(USE INK OR INDELIBLE PENCIL)

1. What purpose is the present Building now used for? Res Barn
2. What purpose will Building be used for hereafter? Same
3. Owner's name Peter Czernoch Phone
4. Owner's address 733 E 50 St
5. Architect's name Phone
6. Contractor's name Peter Czernoch Phone
7. Contractor's address
8. VALUATION OF PROPOSED WORK {Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.} $ 250.00
9. Class of present Building frame No. of rooms at present 5
10. Number of stories in height 1 Size of present Building 33 x 54
11. State how many buildings are on this lot 1
12. State purpose buildings on lot are used for Residence Barn (Apartment House, Hotel, Residence, or any other purpose.)

STATE ON FOLLOWING LINES EXACTLY WHAT ALTERATIONS, ADDITIONS, ETC., WILL BE MADE TO THIS BUILDING.

Bldg Move
the house on 741 E. 50th St is to be moved
to 731 E 50th St to be 25 ft from
Sidewalk and 4 ft from West side
line 15 ft between houses

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign here) Peter Czernoch
(Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Stamp here when permit is issued.
35869	Plan Examiner	10/19/25 ZB Vol 5A Jr. Clerk	OCT 19 1925

Marlan Moore Ave

175

13. Size of new addition.....x.....No. of Stories in height.....

14. Material of foundation Cement Size footings.....Size wall 6 Depth below ground 18

15. Size of Redwood Mudsills 2 x 6 Size of interior bearing studs 2 x 4

16. Size of exterior studs 2 x 4 Size of interior non-bearing studs 2 x 4

17. Size of first floor joists 2 x 6 Second floor joists.....x.....

18. Will all provisions of State Housing Act be complied with? Yes

I have carefully examined and read the above blank and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

(Sign here) Peter Czerniak
(Owner or Authorized Agent)

FOR DEPARTMENT USE ONLY

APPLICATION	O. K.
CONSTRUCTION	O. K.
ZONING	O. K.
SET-BACK LINE	O. K.
ORD. 33761 (N. S.)	O. K.
FIRE DISTRICT	O. K.

REMARKS

There will be an unobstructed passageway, at least 10 feet wide, extending from any dwelling to a public street, or to a public alley at least 10 [illegible]

Owner or Authorized Agent

Peter Czerniak

All Applications Must be Filled Out by Applicant

Bldg. Form 8 — PLANS AND SPECIFICATIONS and other data must also be filed

3

DEPARTMENT OF BUILDING AND SAFETY

Application to Alter, Repair or Demolish

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Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

	REMOVED FROM	REMOVED TO
TAKE TO ROOM No. 6 REAR OF NORTH ANNEX 1st FLOOR CITY CLERK PLEASE VERIFY	Lot 14 Block C Tract McKinley Place	Lot 5 Block Tract Conger's Central Ave Tract
TAKE TO FIRST FLOOR 242 SO. BROADWAY ENGINEER PLEASE VERIFY	Book 16 Page 5 F. B. Page From No. 742 E 50th St Street To No. 769 E 51st St Pasadena Central Street	Book 14½ Page 8 F. B. Page

O.K. City Clerk [signature] Deputy

O.K. City Engineer [signature] By [signature] Deputy

(USE INK OR INDELIBLE PENCIL)

1. What purpose is the present Building now used for? Dwelling House
2. What purpose will Building be used for hereafter? Dwelling "
3. Owner's name Luther Bristol Phone
4. Owner's address 1803 Magnolia ave
5. Architect's name Phone
6. Contractor's name Phone
7. Contractor's address
8. VALUATION OF PROPOSED WORK {Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.} $ ~~300~~ 200.00
9. Class of present Building D No. of rooms at present 5
10. Number of stories in height one Size of present Building ~~27~~ 30 x 30
11. State how many buildings are on this lot One
12. State purpose buildings on lot are used for Dwelling Residence Homely (Apartment House, Hotel, Residence, or any other purpose.)

STATE ON FOLLOWING LINES EXACTLY WHAT ALTERATIONS, ADDITIONS, ETC., WILL BE MADE TO THIS BUILDING:

New Porch

Enlargement - new foundations, cement walk, new rafters

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign here) Luther Bristol
(Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Status here when permit is issued
8788 ~~8788~~	Plan Examiner	3/22/26 By Clerk	ISSUED MAR 22 1926 ISSUED

(12) Owner's Receipt 50

13. Size of new addition 12' x 30' No. of Stories in height one

14. Material of foundation Wood Size footings Size wall Depth below ground

15. Size of Redwood Mudsills 2 x 6 Size of interior bearing studs 2 x 3

16. Size of exterior studs 2 x 3 Size of interior non-bearing studs 2 x 3

17. Size of first floor joists 2 x 6 Second floor joists x

18. Will all provisions of State Housing Act be complied with? Yes

I have carefully examined and read the above blank and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

(Sign here) Luther Bristol owner
(Owner or Authorized Agent)

FOR DEPARTMENT USE ONLY

APPLICATION	O. K.
CONSTRUCTION	O. K.
ZONING	O. K.
SET-BACK LINE	O. K.
ORD. 33761 (N. S.)	O. K.
FIRE DISTRICT	O. K.

REMARKS

Valuation reduced as it was an error

There will be an unobstructed passageway, at least 10 feet wide, extending from any dwelling on lot to a public street, or to a public alley at least 10 feet in width.

Owner or Authorized Agent

Luther Bristol

All Applications Must be Filled Out by Applicant

Bldg. Form 3

PLANS AND SPECIFICATIONS and other data must also be filed

3

DEPARTMENT OF BUILDING AND SAFETY

Application to Alter, Repair or Demolish

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Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

	REMOVED FROM	REMOVED TO
TAKE TO ROOM No. 6 REAR OF NORTH ANNEX 1st FLOOR CITY CLERK PLEASE VERIFY	Lot 74 Block	Lot 20 Block C
	Tract Alexander Neill Tr.	Tract McKinley Place
TAKE TO FIRST FLOOR 242 SO. BROADWAY ENGINEER PLEASE VERIFY	Book 12 Page 5 F. B. Page	Book 15 Page 5 F. B. Page 154
	From No. 1405 E 9th Street	
	To No. 719 E 50th St, Bet McKinley & So Park Street	

O.K. City Clerk By Deputy

O.K. City Engineer By Deputy

(USE INK OR INDELIBLE PENCIL)

1. What purpose is the present Building now used for? Residence for one family.
2. What purpose will Building be used for hereafter? " " " "
3. Owner's name J H Davis Phone
4. Owner's address 625 E 50th St.
5. Architect's name Phone
6. Contractor's name Star House Moving Co. Phone We. 3569
7. Contractor's address 1336 Gerard St.
8. VALUATION OF PROPOSED WORK {Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.} $200.00
9. Class of present Building No. of rooms at present 4
10. Number of stories in height One Size of present Building 24 x 32
11. State how many buildings are on this lot None
12. State purpose buildings on lot are used for (Apartment House, Hotel, Residence, or any other purpose.)

STATE ON FOLLOWING LINES EXACTLY WHAT ALTERATIONS, ADDITIONS, ETC., WILL BE MADE TO THIS BUILDING:

House to be moved from 1405 E 9th St to 719 E 50th St. to be set on concrete ~~[illegible]~~ foundation.

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign here) J H Davis (Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Stamp here when permit is issued
13704	Plan Examiner	5/5/26 Clerk	ISSUED MAY 5 1926 L. A. Bldg. Dept.

E. L. Rambo 4/2 1.50

by [illegible]

13. Size of new addition 24 ft x ..... No. of Stories in height 1

14. Material of foundation Cement Size footings 12 Size wall 6 Depth below ground 6

15. Size of Redwood Mudsills 2 x 6 Size of interior bearing studs — x —

16. Size of exterior studs — x — Size of interior non-bearing studs — x —

17. Size of first floor joists — x — Second floor joists — x —

18. Will all provisions of State Housing Act be complied with? Yes.

I have carefully examined and read the above blank and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

(Sign here) J. H. Davis.
(Owner or Authorized Agent)

FOR DEPARTMENT USE ONLY

APPLICATION	O. K.
CONSTRUCTION	O. K.
ZONING	O. K.
SET-BACK LINE	O. K.
ORD. 33761 (N. S.)	O. K.
FIRE DISTRICT	O. K.

REMARKS

All applications must be filled out by applicant.

Bldg. Supt. 407-10-05-3000

Ward 6

Applicant must indicate the Building Line or Lines clearly and distinctly on the Drawings.

Application for Erection of Frame Buildings

OF CLASS "D"

Application is hereby made to the Superintendent of Buildings of the City of Los Angeles, for the approval of the detailed statement of the specifications and plans herewith submitted for the erection of the building herein described. All provisions of the Building Ordinances shall be complied with in the erection of said building, whether specified herein or not.

(Sign here) J. M. Martz

Los Angeles, FEB 24 1906 190

Assessor Please Verify

Number of Lot 10 Block

McKinley Place

District No. 15 M. B. page 5 F. B. page

Engineer Please Verify

No. 755 East 50th Street

1. Purpose of the Building dwelling
   Number of Rooms 4
   Is any part to be used for store or other business purposes? If so, state what
2. Owner's name E. B. Martz 905 E Vernon Ave
3. Owner's address
4. Architect's name
5. Builder's name J. W. Miles
6. Builder's address 1320 E 57th St
7. Estimated Cost of the Proposed Improvements, $ 500.00
8. Will the building be erected on the front or rear of lot? Rear of Lot
9. Size of lot? 50 x 165 Size of bldg? 24 X 24
10. Number of stories in height One; height from curb level to highest point 15 ft
11. What is the character of the ground; rock, clay, sand, filled, etc. Sand
12. Will there be a cellar or basement?
13. Will basement or cellar be of brick, stone or concrete?
14. What will be the depth of foundation walls below curb level or surface of ground?
15. Of what will foundation walls be built? 1x6 R.W.M.S.
    Give thickness of foundation walls; ; thickness and width of footings
16. Number and kind of chimneys to be used
    Number of stacks to ground; number of flues
17. What will be the size of sills? x inches
18. What will be the size of exterior studs? 2 x 3; interior studs? 2 x 3
19. What will be the size of interior bearing partition 2 x 3 and 2 x 3

PERMIT NO. 1463

20. Give size of joist:

1st floor ..... 2 x 6 ..... 2nd floor ..... x .....

3rd floor ..... x ..... 4th floor ..... x .....

5th floor ..... x ..... 6th floor ..... x .....

Ceiling Joist ..... x ..... Rafters ..... x .....

21. Will the roof be peak, flat, or mansard? ..... Flat ....., Material of roofing .. S. Shingle ...

22. How many fire-escapes will be provided? ..... Where placed? .....

.....

23. Will cellar or basement ceiling be plastered? ..... Metal or wood lath? .....

24. Are any buildings to be taken down? ..... How many .....

25. Of what materials will partition wall of double flats be constructed? .....

.....

36. Of what materials will floors be constructed? .....

How many thicknesses? .....

What kind of fire-proofing? .....

37. How will hall and soffits of stairs be plastered? .....

38. Number and location of water-closets: Cellar .....; 1st floor .....; 2d floor .....;

3d floor .....; 4th floor ....; 5th floor; .....

All applications must be filled out by applicant.

Ward 6

Applicant must indicate the Building Line or Lines clearly and distinctly on the Drawings.

Application for Erection of Frame Buildings

OF CLASS "D"

Application is hereby made to the Superintendent of Buildings of the City of Los Angeles, for the approval of the detailed statement of the specifications and plans herewith submitted for the erection of the building herein described. All provisions of the Building Ordinances shall be complied with in the erection of said building, whether specified herein or not.

(Sign here) J. Holdsworth

Los Angeles, Cal., MAR 23 1906 190

6 Assessor Please Verify

Number 201-26 Block B

McKinley Place

District No. 15 M. B. page 5 F. B. page

OK Lewis Davis LHH

13 Engineer Please Verify

No 693 East 50th Street

1. Purpose of the Building Residence
   Number of Rooms five
   Is any part to be used for store or other business purposes? If so, state what
2. Owner's name J. Holdsworth
3. Owner's address 1008 E 54 st
4. Architect's name
5. Builder's name J. W. Miles
6. Builder's address 1320 E 57 st
7. Estimated Cost of the Proposed Improvements, $ 600.00
8. Will the building be erected on the front or rear of lot? Rear
9. Size of lot? 50 x 165 Size of bldg? 24 x 28
10. Number of stories in height One; height from curb level to highest point 16 ft
11. What is the character of the ground; rock, clay, sand, filled, etc.
12. Will there be a cellar or basement?
13. Will basement or cellar be of brick, stone or concrete?
14. What will be the depth of foundation walls below curb level or surface of ground?
15. Of what will foundation walls be built? MS
    Give thickness of foundation walls; thickness and width of footings;
16. Number and kind of chimneys to be used Tile
    Number of stacks to ground one; number of flues one
17. What will be the size of sills? 2 x 6 inches
18. What will be the size of exterior studs? 2 x 4; interior studs? 2 x 3
19. What will be the size of interior bearing partition 2 x 3

PERMIT NO. 2324

20. Give size of joist:

1st floor ..... 2 x 6 ..... 2nd floor ..... x .....

3rd floor ..... x ..... 4th floor ..... x .....

5th floor ..... x ..... 6th floor ..... x .....

Ceiling Joist ..... 2 x 4 ..... Rafters ..... 2 x 8 .....

21. Will the roof be peak, flat, or mansard? ..... Hip ..... Material of roofing ..... Shingles .....

22. How many fire-escapes will be provided? ..... Where placed? .....

23. Will cellar or basement ceiling be plastered? ..... Metal or wood lath .....

24 Are any buildings to be taken down? ..... How many .....

25. Of what materials will partition wall of double flats be constructed? .....

36. Of what materials will floors be constructed? .....

How many thicknesses? .....

What kind of fire-proofing? .....

37. How will hall and soffits of stairs be plastered? .....

39. Number and location of water-closets: Cellar .....; 1st floor .....; 2nd floor .....;

3rd floor ..... ; 4th floor ..... ; 5th floor; .....

All applications must be filled out by applicant.

Ward 6

Applicant must indicate the Building Line or Lines clearly and distinctly on the Drawings.

Application for Erection of Frame Buildings

OF CLASS "D"

Application is hereby made to the Superintendent of Buildings of the City of Los Angeles, for the approval of the detailed statement of the specifications and plans herewith submitted for the erection of the building herein described. All provisions of the Building Ordinances shall be complied with in the erection of said building, whether specified herein or not.

(Sign here) James Smith

Los Angeles, Cal., APR 24 1906 23 1906

Assessor Please Verify: Number 30 Block 6 McKinley Place

District No. 15 M. B. page 10a F. B. page [illegible]

Engineer Please Verify: No 677 E 50th Street

1. Purpose of the Building Res.
   Number of Rooms 6 Room
   Is any part to be used for store or other business purposes? If so, state what
2. Owner's name Mr Ruff
3. Owner's address
4. Architect's name
5. Builder's name James Smith
6. Builder's address
7. Estimated Cost of the Proposed Improvements, $ 2100
8. Will the building be erected on the front or rear of lot?
9. Size of lot? x Size of bldg? 29 x 53
10. Number of stories in height 1½; height from curb level to highest point
11. What is the character of the ground; rock, clay, sand, filled, etc.
12. Will there be a cellar or basement?
13. Will basement or cellar be of brick, stone or concrete?
14. What will be the depth of foundation walls below curb level or surface of ground? 12
15. Of what will foundation walls be built? Brick
    Give thickness of foundation walls; 8" thickness and width of footings; 17"
16. Number and kind of chimneys to be used Brick
    Number of stacks to ground 1; number of flues 1
17. What will be the size of sills? 2 x 6 inches
18. What will be the size of exterior studs? 2 x 4; interior studs? 2 x 3
19. What will be the size of interior bearing partition 2 x 4

PERMIT NO. 3178

20. Give size of joist:

1st floor ..... 2 x 6 ..... 2nd floor ..... 2 x 6 .....

3rd floor ..... x ..... 4th floor ..... x .....

5th floor ..... x ..... 6th floor ..... x .....

Ceiling Joist ..... 2 x 4 ..... Rafters ..... 2 x 4 .....

21. Will the roof be peak, flat, or mansard? ..... Material of roofing .....

22. How many fire-escapes will be provided? ..... Where placed? .....

.....

23. Will cellar or basement ceiling be plastered? ..... Metal or wood lath .....

24. Are any buildings to be taken down? ..... How many .....

25. Of what materials will partition wall of double flats be constructed? .....

.....

36. Of what materials will floors be constructed? .....

How many thicknesses? .....

What kind of fire-proofing? .....

37. How will hall and soffits of stairs be plastered? .....

39. Number and location of water-closets: Cellar .....; 1st floor .....; 2nd floor .....;

3rd floor .....; 4th floor .....; 5th floor; .....

6/16 - 1.30 P.M.

All applications must be filled out by applicant.

WARD 6

PLANS and SPECIFICATIONS and other data must also be filed.

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

Application for Erection of Frame Buildings

CLASS "D"

Application is hereby made to the Board of Public Works (Chief Inspector of Buildings) of the City of Los Angeles, for the approval of this detailed statement of specifications herewith submitted for the erection of the building herein described. All provisions of the Building Ordinances shall be complied with in the erection of said building, whether specified herein or not.

(SIGN HERE) Geo. Young

JUN 17 1910

PLANS CHECKED BY—O. K. [illegible]

TAKE TO ROOM NO. 6 FIRST FLOOR

ASSESSOR PLEASE VERIFY

Lot No. 28 Block C

McKinley Place

OK Mallard

Phillips

District No. 15 M. B. page 5 F. B. page 141

TAKE TO ROOM NO. 34 THIRD FLOOR

ENGINEER PLEASE VERIFY

No. 685 E 50th Street

1. PURPOSE OF BUILDING ~~Apartment~~ Flats Number of rooms 12
2. OWNER'S NAME Joseph P. Domingos
3. Owner's address 685 E 50th St
4. Architect's name ——
5. CONTRACTOR'S NAME Geo. Young
6. Contractor's address 3940 S. Hill
7. ENTIRE COST OF PROPOSED BUILDING, $ $3000.00
8. Size of lot 50 x 165 Size of building 35 x 65
9. Will building be erected on front or rear of lot? Front
10. NUMBER OF STORIES IN HEIGHT 2 Height to highest point of roof 32 ft
11. Height of first floor joist above curb level, or surface 2'-6"
12. Character of ground: rock, clay, sand, filled, etc. Sandy loam
13. Of what material will FOUNDATION and cellar walls be built? Concrete
14. GIVE depth of FOUNDATION below the surface of ground 1'-0"
15. GIVE dimensions of FOUNDATION and cellar wall FOOTINGS 16"
16. GIVE width of FOUNDATION and cellar walls at top 8"
17. NUMBER and KIND of chimneys 1 Brick Number of flues 4
18. Number of inlets to each flue 1 Interior size of flues 8 x 8
19. Give sizes of following materials: MUDSILLS 2 x 6 Girders and stringers 3 x 4
    EXTERIOR STUDS 2 x 4 BEARING STUDS 2 x 4 Interior studs 2 x 3
    Ceiling joist 2 x 4 Roof rafters 2 x 4 FIRST FLOOR JOISTS 2 x 6
    SECOND FLOOR JOIST 2 x 10 Third floor joist x Fourth floor joist x
20. Will the roof be peak, flat or mansard? Peak Material of roofing Shingles

Date JUN 17 1910, 191

PERMIT NO. 4967 Plans

(4)

OVER

21. Will cellar or basement ceiling be plastered? no cellar Metal or wood lath
22. Of what material will floors be constructed? Wood
23. How many thicknesses? 1st floor 1 : 2nd floor 2
24. What kind of fireproofing?
25. How will hall and soffits of stairs be plastered?
26. How many fire escapes will be provided? Where placed?
27. Are any buildings to be demolished? no How many?

REMARKS.

Application Received

All applications must be filled out by applicant.
(USE INK OR INDELIBLE PENCIL)

PLANS AND SPECIFICATIONS and other data must also be filed.

Ward 6

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

2

Application for the Erection of Frame Building

CLASS "D"

Application is hereby made to the Board of Public Works (Chief Inspector of Buildings), of the City of Los Angeles, for the approval of this detailed statement of specifications herewith submitted for the erection of the building herein described. All provisions of the building ordinances and state laws shall be complied with in the erection of said building, whether herein specified or not. It is also understood the granting of a permit on this application does not grant any right or privilege to erect the building or structure herein described, or any portion thereof on any public street or alley or on any land or portion thereof, the title or right of possession to which is in litigation by, or is disputed by the City, County or State; or as giving or granting any right or privilege to use the said structure or building for any purpose which is or may hereafter be prohibited by ordinance of the City of Los Angeles.

(SIGN HERE) H Flack (Applicant)

TAKE TO ROOM NO. 6 FIRST FLOOR

ASSESSOR PLEASE VERIFY

Lot No. 26 Block C

of McKinley Place

District No. 15 M. B. page 5 F. B. page 14

O. K. City Assessor Per [signature] Deputy

TAKE TO ROOM NO. 34 THIRD FLOOR

ENGINEER PLEASE VERIFY

No. 693 E. 50th Street

O. K. City Engineer Per [signature] Deputy

1. PURPOSE OF BUILDING 2 Story Flats 1 up and 1 down Number of rooms 10
2. OWNER'S NAME James Holdworth
3. Owner's address 693 E 50th
4. Architect's name none
5. CONTRACTOR'S NAME H Flack
6. Contractor's address 272 E 42 St
7. ENTIRE COST OF PROPOSED BUILDING, $ 2600.00
8. Size of lot 50 x 165 Size of building 30 x 47
9. Will building be erected on front or rear of lot? front
10. NUMBER OF STORIES IN HEIGHT 2 Height to highest point of roof 28'
11. Height of first floor joist above curb level, or surface 2'6"
12. Character of ground: rock, clay, sand, filled, etc. Sand
13. Of what material will FOUNDATION and cellar walls be built? Concrete
14. GIVE depth of FOUNDATION below the surface of ground 12"
15. GIVE dimensions of FOUNDATION and cellar wall FOOTINGS 18"
16. GIVE width of FOUNDATION and cellar walls at top 8"
17. NUMBER and KIND of chimneys 1 17X36 Number of flues 2
18. Number of inlets to each flue 2 Interior size of flues 8X12 x
19. Give sizes of following materials: MUDSILLS 2x6 Girders and stringers 4x4
EXTERIOR STUDS 2x4 BEARING STUDS 2x4 Interior studs 2x3
Ceiling joist 2x4 Roof rafters 2x4 FIRST FLOOR JOISTS 2x6
SECOND FLOOR JOIST 2x8 Third floor joist x Fourth floor joist x

PERMIT NO 7069 Date issued AUG 11 1911, 191

OVER

Application Received [signature]

20. Specify material of roofing

21. Specify material of partitions

22. Specify material of floors

23. Specify how many thicknesses of floor

24. How will halls and soffits of stairs be plastered?

25. Will cellar or basement ceiling be plastered?

26. Specify size of vent shafts to water closet compartments

27. What means of access to roof?

28. How many fire escapes will be provided? where placed?

REMARKS.

Application Received Time Returned

All Applications must be filled out by Applicant

PLANS AND SPECIFICATIONS and other data must also be filed

Bldg. Form 2

2

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

Application for the Erection of Frame Buildings

CLASS "D"

To the Board of Public Works of the City of Los Angeles:

Application is hereby made to the Board of Public Works of the City of Los Angeles, through the office of the Chief Inspector of Buildings, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO ROOM No. 6 REAR OF NORTH ANNEX 1st FLOOR — CITY CLERK PLEASE VERIFY

Lot No. 24 Block C (Description of Property)

McKinley Place

District No. 15 M. B. Page 5 F. B. Page 159

O. K. City Clerk By [signature] Deputy

TAKE TO ROOM No. 405 SOUTH ANNEX — ENGINEER PLEASE VERIFY

No. 703 E 50th St. Street (Location of Job)

Bet S. Park Ave & McKinley Ave

O. K. City Engineer By [signature] Deputy

(USE INK OR INDELIBLE PENCIL)

1. Purpose of Building Residence No. of Rooms 4 No. of Families 1
2. Owner's name R. Pollak Phone
3. Owner's address 701 East 50th St
4. Architect's name Phone
5. Contractor's name E. J. Hamberg Phone W.H. 3366
6. Contractor's address 1233 Meadowbrook ave
7. VALUATION OF PROPOSED WORK (Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.) $ 2900.00
8. Is there any existing (old) building on lot? Yes How used? Residence
9. Size of proposed building 28 x 37 Height to highest point 20 feet
10. Number of Stories in height 1 Character of ground light soil
11. Material of foundation Concrete Size of footings 12 Size of wall 6 Depth below ground 6
12. ~~Material of chimneys~~ ~~Number of inlets to flue~~ ~~Interior size of flues~~
13. Give sizes of following materials: REDWOOD MUDSILLS 2 x 6 Girders 4 x 4 EXTERIOR studs 2 x 4 INTERIOR BEARING studs 2 x 3 Interior Non-Bearing studs 2 x 3 Ceiling joists 2 x 4 Roof rafters 2 x 4 FIRST FLOOR JOISTS 2 x 6 ~~Second floor joists~~ Specify material of roof Composition Shingles
14. Will all provisions of State Housing Act be complied with? Yes

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign here) E. J. Hamberg (Owner or Authorized Agent)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O.K.	Stamp here when permit is issued.
43541	Plan Examiner	12 26 25 / 31 [signature] Clerk	DEC 26 1925

(16) [signature] 5.90

FOR DEPARTMENT USE ONLY

APPLICATION	O. K.
CONSTRUCTION	O. K.
ZONING	O. K.
SET-BACK LINE	O. K.
ORD. 33761 (N. S.)	O. K.
FIRE DISTRICT	O. K.

REMARKS

I hereby agree to locate and erect this building or structure and every portion thereof, except unenclosed porches, back a distance from the front property line equal to the set-back line of the nearest building now erected on any lot in this block in Zone "A" on the same side of the street.

There will be an unobstructed passageway, at least 10 feet wide, extending from any dwelling on lot to a public street, or to a public alley at least 10 feet in width.

Owner.

Owner or Authorized Agent

All Applications Must be Filled Out by Applicant

Bldg. Form 2

PLANS AND SPECIFICATIONS and other data must also be filed

BUILDING DIVISION

2

DEPARTMENT OF BUILDING AND SAFETY

Application for the Erection of Frame Buildings

CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO ROOM No. 6 REAR OF NORTH ANNEX 1st Floor

CITY CLERK PLEASE VERIFY

Lot No. C Block 20 (Description of Property)

District No. ..... M. B. Page ..... F. B. Page .....

TAKE TO FIRST FLOOR 242 SO. BROADWAY ENGINEER PLEASE VERIFY

No. 719 - E - 50th St. Street (Location of Job)

Bet. Avalon & McKinley Ave

O. K. City Clerk By ..... Deputy

O. K. City Engineer By ..... Deputy

(USE INK OR INDELIBLE PENCIL)

1. Purpose of Building Pr. Garages No. of Rooms ..... No. of Families .....
2. Owner's name J. H. Davis Phone Ax 3046
3. Owner's address 675 - E - 50th St.
4. Architect's name — Phone .....
5. Contractor's name — Phone 160.00
6. Contractor's address —
7. VALUATION OF PROPOSED WORK {Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.} $ 160.00
8. Is there any existing building or permit for a building on lot? yes How used? Residence
9. Size of proposed building 17'6" x 28 Height to highest point ..... feet
10. Number of Stories in height one Character of ground Sandy loam
11. Material of foundation Concrete Size of footings — Size of wall — Depth below ground —
12. Material of chimneys — Number of inlets to flue — Interior size of flues — x —
13. Material of exterior walls Frame, riding
14. Give sizes of following materials: REDWOOD MUDSILLS yes x 2 x 6 Girders Slat
EXTERIOR studs 2 x 4 INTERIOR BEARING studs 2 x 4 Interior Non-Bearing studs ..... x ..... Ceiling joists ..... x ..... Roof rafters 2 x 4 FIRST FLOOR JOISTS Slat
Second floor joists — x — Specify material of roof Composition
15. Will all provisions of State Housing Act be complied with? .....

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

(Sign here) J H Davis (Owner or Authorized Agent.)

OVER

FOR DEPARTMENT USE ONLY

PERMIT NO. 26346	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc. Plan Examiner	Application checked and found O. K. 9/13/26 Clerk	Stamp here when permit is issued. ISSUED SEP 13 1926 L. A. Bldg. Dept.

12 [signature]

13c

FOR DEPARTMENT USE ONLY

APPLICATION	O. K.
CONSTRUCTION	O. K.
ZONING	O. K.
SET-BACK LINE	O. K.
ORD. 33761 (N. S.)	O. K.
FIRE DISTRICT	O. K.

REMARKS

All Applications Must be Filled Out by Applicant

Bldg. Form 2

PLANS AND SPECIFICATIONS and other data must also be filed

BUILDING DIVISION

2

DEPARTMENT OF BUILDING AND SAFETY

Application for the Erection of Frame Buildings

CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO ROOM No. 6 REAR OF NORTH ANNEX 1st Floor

CITY CLERK PLEASE VERIFY

Lot No. C Block 20 (Description of Property)

District No. ..... M. B. Page ..... F. B. Page .....

TAKE TO FIRST FLOOR 242 SO. BROADWAY ENGINEER PLEASE VERIFY

No. 719 - E - 50th St. Street (Location of Job)

Bet. Avalon & McKinley Ave

O. K. City Clerk By ..... Deputy

O. K. City Engineer By ..... Deputy

(USE INK OR INDELIBLE PENCIL)

1. Purpose of Building Pr. Garages No. of Rooms ..... No. of Families .....
2. Owner's name J. H. Davis Phone Ax 3046
3. Owner's address 675 - E - 50th St.
4. Architect's name — Phone .....
5. Contractor's name — Phone 160.00
6. Contractor's address —
7. VALUATION OF PROPOSED WORK {Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, all Labor, etc.} $ 160.00
8. Is there any existing building or permit for a building on lot? yes How used? Residence
9. Size of proposed building 17'6" x 28 Height to highest point ..... feet
10. Number of Stories in height one Character of ground Sandy loam
11. Material of foundation Concrete Size of footings — Size of wall — Depth below ground —
12. Material of chimneys — Number of inlets to flue — Interior size of flues — x —
13. Material of exterior walls Frame, riding
14. Give sizes of following materials: REDWOOD MUDSILLS yes x 2 x 6 Girders Slat
EXTERIOR studs 2 x 4 INTERIOR BEARING studs 2 x 4 Interior Non-Bearing studs ..... x ..... Ceiling joists ..... x ..... Roof rafters 2 x 4 FIRST FLOOR JOISTS Slat
Second floor joists — x — Specify material of roof Composition
15. Will all provisions of State Housing Act be complied with? .....

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

(Sign here) J H Davis (Owner or Authorized Agent.)

OVER

FOR DEPARTMENT USE ONLY

PERMIT NO. 26346	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc. Plan Examiner	Application checked and found O. K. 9/13/26 Clerk	Stamp here when permit is issued. ISSUED SEP 13 1926 L. A. Bldg. Dept.

12 [signature]

13c

FOR DEPARTMENT USE ONLY

APPLICATION	O. K.
CONSTRUCTION	O. K.
ZONING	O. K.
SET-BACK LINE	O. K.
ORD. 33761 (N. S.)	O. K.
FIRE DISTRICT	O. K.

REMARKS

Form B-1

1

APPLICATION TO ERECT A NEW BUILDING

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

Lot No. 30

Tract C

Location of Building 677 E 50 Street (House Number and Street) — Approved by City Engineer

Between what cross streets McKinnely & Avalon — Deputy

USE INK OR INDELIBLE PENCIL

1. Purpose of building private garage (Store, Dwelling, Apartment House, Hotel or other purpose) Families ___ Rooms ___
2. Owner THOMAS, WILLIAM (Print Name) Phone 2211597
3. Owner's address 677 E 50 St P.O. ___
4. Certificated Architect none State License No. ___ Phone ___
5. Licensed Engineer none State License No. ___ Phone ___
6. Contractor none State License No. ___ Phone ___
7. Contractor's address none
8. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and elevator equipment therein or thereon.) $ 700 Petty
9. State how many buildings NOW on lot and give use of each. (Store, Dwelling, Apartment House, Hotel, or other purpose)
10. Size of new building 18 x 20 No. Stories 1 Height to highest point 10 ft Size lot 45 x 180
11. Material Exterior Walls stucco Type of Roofing gable
12. For Accessory Buildings and similar structures
    (a) Footing: Width 12 in Depth in Ground 12 Width of Wall 4
    (b) Size of Studs 2 x 4 Material of Floor concrete
    (c) Size of Floor Joists none x Size of Rafters 2 x 4

I hereby certify that to the best of my knowledge and belief the above application is correct and that this building or construction work will comply with all laws, and that in the doing of the work authorized thereby I will not employ any person in violation of the Labor Code of the State of California relating to Workmen's Compensation Insurance.

Sign here Mrs William Thomas (Owner or Authorized Agent)

Plans, Specifications and other data must be filed.

By ___

FOR DEPARTMENT USE ONLY

(1) PLAN CHECKING
Receipt No. ___
Valuation $ ___
Fee Paid $ ___

(2) REINFORCED CONCRETE
Bbls. Cement ___
Tons of Reinforcing Steel ___

(3) The building referred to in this Application will be more than 100 feet from ___ Street
Sign here ___ (Owner or Authorized Agent)

TYPE	GROUP	Maximum No. Occupants	Inside Lot / Corner Lot	Key Lot / Corner Lot Keyed	Lot Size	___ Ft. rear alley / ___ Ft. side alley	Clerk
PERMIT No. 4739		Plans and Specifications checked		Zone	Fire District No.	District Map No. 1	
		Corrections Verified		Bldg. Line ___ Ft.	Street Widening ___ Ft.	Fee 4.50	Stamp here when Permit is Issued
PLANS Rec'd. ___		Plans, Specifications and Application rechecked and approved. Mattos		Application checked and approved SEP 20 1949 M. Hill Clerk			
		For Plans See	Filed with	Continuous Inspection	SPRINKLER Specified—Required Valuation Included Yes— —No	Inspector Hill	

2 030-2 242+2

APPLICATION TO RELOCATE BUILDING AND FOR CERTIFICATE OF OCCUPANCY

CITY OF LOS ANGELES — DEPT. OF BUILDING AND SAFETY

DIST MAP: 7260	1. LEGAL FROM LOT: 11, Blk 8	TRACT: Hollywood Ocean View	TO LOT: 27 Blk C	TRACT: McKinley Pl.
ZONE: R-3	2. PRESENT ADDRESS: 2118-20 North Highland			APPROVED
FIRE DIST.	NEW ADDRESS: 682-84 E. 49th Street Bldg #2			RB
INSIDE X / KEY	3. PRESENT USE OF BLDG.: 2-family dwell.	USE AFTER RELOCATION: same		
COR. LOT / REV. COR	4. OWNER: ~~John~~ PEARL Williams			
LOT SIZE: 50 x 165	5. OWNER'S ADDRESS: 2346 Dunsmuir, Los Angeles 16			
REAR ALLEY / SIDE ALLEY	6. CERT. ARCH OR LIC. ENG.: c/o 1104 S. Western Ave., LA6	STATE LICENSE NUMBER		
BLDG. LINE	7. CONTRACTOR: owner	STATE LICENSE NUMBER		
AFFIDAVITS	8. SIZE OF BLDG.: 35' x 36'4"	STORIES 2	HEIGHT 24	
BLDG. AREA: 1260	9. MATERIAL OF EXTERIOR WALLS: ☐ WOOD ☒ STUCCO	☐ METAL ☐ BRICK	☐ CONC. BLOCK ☐ CONCRETE	
SPRINKLERS REQ'D. SPECIFIED	10. NEW WORK (DESCRIBE)			

2 682-84 East 49th Street

VALIDATION: LA47567

TYPE	GROUP	MAX. OCC.
V	R	2-fam.

MAY-25-56 53278 B 15 — CK 30.00
JUN-29-56 60127 A — 2 CK 7.50
JUL-9-56 61504 B — 1 CK 12.60

DIST. OFFICE: L A

OEC BP $12.60

C. OF O. ISSUED

DATE APPROVED 6-8-56 $4000.00 BOND ☐ CASH BOND ☒ SURETY BOND

DWELL. UNITS: 2	11. VALUATION: TO INCLUDE ALL FIXED EQUIPMENT REQUIRED TO OPERATE AND USE PROPOSED BLDG. $ 3200.00	VALUATION APPROVED: A. Golling
PARKING SPACES: 2	I certify that in doing the work authorized hereby I will not employ any person in violation of the Labor Code of the State of California relating to workmen's compensation insurance. The issuance of this permit will not violate any deed restrictions of record. The purchase of either site or building for relocation purposes until this application is approved is at my own risk. This is an application only and does not guarantee approval. The building when relocated must be repaired so as not to be detrimental to property within 1000 feet of the new site.	APPLICATION CHECKED: La Bire
GUEST ROOMS		PLANS CHECKED: Watanabe
FILE WITH		CORRECTIONS VERIFIED: Watanabe
CONT. INSP.		PLANS APPROVED: Watanabe
SEWER CAP PER. 54397	W. A. John D. Williams MUST BE SIGNED BY OWNER	APPLICATION APPROVED: Raymond
	This form when properly validated is a permit to do the work described.	FILE NUMBER: 1347

INSTRUCTIONS: 1. Applicant to Complete Numbered Items Only. 2. Plot Plan Required on Back of Original.

Form B-2

LEGAL DESCRIPTION

See other applic. for Plot Plan

On Plot Plan Show all Buildings on Lot and Use of Each

There are two ways to request a copy of the document image.
1) By fax using the request form. Click on the following link
http://www.ladbs.org/permits/permit_related_forms/Research_Request_form.pdf to download the request form.
2) In person. Bring the following summary to one of the following Record counters.

COUNTER HOURS

MONDAY, TUESDAY, THURSDAY, FRIDAY: 7:30 AM to 4:30 PM
WEDNESDAY: 9:00 AM to 4:30 PM

Metro	Van Nuys
201, N. Figueroa St. 1st Floor, Room 110 Record Counter Los Angeles,CA 90012	6262 Van Nuys Blvd Record Counter Van Nuys,CA 91401

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-ALTER/REPAIR	7/24/1914	1914LA15199	HIST: P1041 001 1750	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/23/1927	1927LA27839	HIST: P1177 001 2055 IDIS: P5181 01027 0000 thru P5181 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/23/1927	1927LA27839	HIST: P1177 001 2055	
BUILDING PERMIT	BLDG-ALTER/REPAIR	11/5/1934	1934LA14989	HIST: P1245 001 0377	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/21/1935	1935LA04551	HIST: P1247 002 0793	
BUILDING PERMIT	BLDG-ALTER/REPAIR	3/21/1935	1935LA04551	IDIS: P5252 00396 0000 thru P5252 0001 HIST: P1247 002 0793	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/10/1935	1935LA15944	HIST: P1251 002 0909 IDIS: P5256 00455 0000 thru P5256 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/10/1935	1935LA15945	HIST: P1251 002 0911	
BUILDING PERMIT	BLDG-ALTER/REPAIR	9/10/1935	1935LA15945	IDIS: P5256 00456 0000 thru P5256 0001 HIST: P1251 002 0911	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/1/1936	1936LA26794	HIST: P1264 001 2116	
BUILDING PERMIT	BLDG-ALTER/REPAIR	10/1/1936	1936LA26794	HIST: P1264 001 2116 IDIS: P5268 02688 0000 thru P5268 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	1/18/1950	1950LA02875	HIST: P1437 001 1054 IDIS: P5496 01051 0000 thru P5496 0001	
BUILDING PERMIT	BLDG-ALTER/REPAIR	2/6/1950	1950 02875	HIST: P1437 001 1054	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-DEMOLITION	11/5/1934	1934LA14989	HIST: P1245 001 0377 IDIS: P5249 00189 0000 thru P5249 0001	
BUILDING PERMIT	BLDG-NEW	8/26/1919	1919LA07045	HIST: P1061 002 1049	
BUILDING PERMIT	BLDG-NEW	10/15/1930	1930LA24949	HIST: P1213 002 0017	
BUILDING PERMIT	BLDG-NEW	10/15/1930	1930LA24949	HIST: P1213 002 0017 IDIS: P5217 01585 0000 thru P5217 0001	
BUILDING PERMIT	BLDG-NEW	1/18/1934	1934LA00709	HIST: P1240 001 1432	
BUILDING PERMIT	BLDG-NEW	1/18/1934	1934LA00709	HIST: P1240 001 1432 IDIS: P5244 00709 0000 thru P5244 0001	
BUILDING PERMIT	BLDG-NEW	1/18/1934	1934LA00710	HIST: P1240 001 1434	
BUILDING PERMIT	BLDG-NEW	1/18/1934	1934LA00710	IDIS: P5244 00710 0000 thru P5244 0001 HIST: P1240 001 1434	
BUILDING PERMIT	BLDG-NEW	1/18/1934	1934LA00711	HIST: P1240 001 1436	
BUILDING PERMIT	BLDG-NEW	1/18/1934	1934LA00711	IDIS: P5244 00711 0000 thru P5244 0001 HIST: P1240 001 1436	
BUILDING PERMIT	BLDG-NEW	1/18/1934	1934LA00712	HIST: P1240 001 1438	
BUILDING PERMIT	BLDG-NEW	1/18/1934	1934LA00712	IDIS: P5244 00712 0000 thru P5244 0001 HIST: P1240 001 1438	
BUILDING PERMIT	BLDG-NEW	1/18/1934	1934LA00726	HIST: P1240 001 1466	
BUILDING PERMIT	BLDG-NEW	1/18/1934	1934LA00726	IDIS: P5244 00726 0000 thru P5244 0001 HIST: P1240 001 1466	
BUILDING PERMIT	BLDG-NEW	1/18/1934	1934LA00727	HIST: P1240 001 1468	
BUILDING PERMIT	BLDG-NEW	1/18/1934	1934LA00727	IDIS: P5244 00727 0000 thru P5244 0001 HIST: P1240 001 1468	
BUILDING PERMIT	BLDG-NEW	1/18/1934	1934LA00728	IDIS: P5244 00728 0000 thru P5244 0001 HIST: P1240 001 1470	
BUILDING PERMIT	BLDG-NEW	1/18/1934	1934LA00728	HIST: P1240 001 1470	
BUILDING PERMIT	BLDG-NEW	2/15/1934	1934LA02411	HIST: P1240 002 1811 IDIS: P5244 02411 0000 thru P5244 0001	
BUILDING PERMIT	BLDG-NEW	2/15/1934	1934LA02411	HIST: P1240 002 1811	
BUILDING PERMIT	BLDG-NEW	2/15/1934	1934LA02412	HIST: P1240 002 1813	
BUILDING PERMIT	BLDG-NEW	2/15/1934	1934LA02412	IDIS: P5244 02412 0000 thru P5244 0001 HIST: P1240 002 1813	
BUILDING PERMIT	BLDG-NEW	3/15/1934	1934LA03685	HIST: P1241 001 1139	
BUILDING PERMIT	BLDG-NEW	3/15/1934	1934LA03685	HIST: P1241 001 1139 IDIS: P5245 00570 0000 thru P5245 0001	
BUILDING PERMIT	BLDG-NEW	6/7/1934	1934LA07496	HIST: P1242 002 0341	
BUILDING PERMIT	BLDG-NEW	6/7/1934	1934LA07496	HIST: P1242 002 0341 IDIS: P5246 01448 0000 thru P5246 0001	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	BLDG-NEW	6/7/1934	1934LA07497	HIST: P1242 002 0343	
BUILDING PERMIT	BLDG-NEW	6/7/1934	1934LA07497	IDIS: P5246 01449 0000 thru P5246 0001 HIST: P1242 002 0343	
BUILDING PERMIT	BLDG-NEW	6/7/1934	1934LA07498	HIST: P1242 002 0345	
BUILDING PERMIT	BLDG-NEW	6/7/1934	1934LA07498	IDIS: P5246 01450 0000 thru P5246 0001 HIST: P1242 002 0345	
BUILDING PERMIT	BLDG-NEW	6/7/1934	1934LA07499	HIST: P1242 002 0347	
BUILDING PERMIT	BLDG-NEW	6/7/1934	1934LA07499	IDIS: P5246 01451 0000 thru P5246 0001 HIST: P1242 002 0347	
BUILDING PERMIT	BLDG-NEW	6/7/1934	1934LA07500	HIST: P1242 002 0349	
BUILDING PERMIT	BLDG-NEW	6/7/1934	1934LA07500	IDIS: P5246 01452 0000 thru P5246 0001 HIST: P1242 002 0349	
BUILDING PERMIT	BLDG-NEW	6/7/1934	1934LA07501	HIST: P1242 002 0351	
BUILDING PERMIT	BLDG-NEW	6/7/1934	1934LA07501	IDIS: P5246 01453 0000 thru P5246 0001 HIST: P1242 002 0351	
BUILDING PERMIT	BLDG-NEW	6/7/1934	1934LA07502	IDIS: P5246 01454 0000 thru P5246 0001 HIST: P1242 002 0353	
BUILDING PERMIT	BLDG-NEW	3/21/1935	1935LA04549	HIST: P1247 002 0789 IDIS: P5252 00394 0000 thru P5252 0001	
BUILDING PERMIT	BLDG-NEW	3/21/1935	1935LA04549	HIST: P1247 002 0789	
BUILDING PERMIT	BLDG-NEW	3/21/1935	1935LA04550	HIST: P1247 002 0791	
BUILDING PERMIT	BLDG-NEW	3/21/1935	1935LA04550	IDIS: P5252 00395 0000 thru P5252 0001 HIST: P1247 002 0791	
BUILDING PERMIT	BLDG-NEW	6/3/1936	1936LA13633	HIST: P1259 002 1902 IDIS: P5264 00951 0000 thru P5264 0001	
BUILDING PERMIT	BLDG-NEW	6/8/1948	1948LA14346	HIST: P1411 002 1552	
BUILDING PERMIT	BLDG-NEW	1/16/1950	1950LA02799	HIST: P1437 001 0978 IDIS: P5496 00975 0000 thru P5496 0001	
BUILDING PERMIT	BLDG-NEW	12/17/1952	1952LA49097	HIST: P1466 001 1298 IDIS: P5543 00649 0000 thru P5543 0001	
BUILDING PERMIT	BLDG-NEW	12/17/1952	1952LA49097	HIST: P1466 001 1298	
BUILDING PERMIT	BLDG-NEW	10/24/1960	1960	HIST: P1687 002 0674	
BUILDING PERMIT	BLDG-NEW	10/24/1960	1960	HIST: P1687 002 1091	
BUILDING PERMIT	BLDG-RELOCATION	1/22/1932	1932LA01354	HIST: P1226 002 0227 IDIS: P5230 01354 0000 thru P5230 0001	
BUILDING PERMIT	BLDG-RELOCATION	1/22/1932	1932LA01355	IDIS: P5230 01355 0000 thru P5230 0001 HIST: P1226 002 0229	
BUILDING PERMIT	BLDG-RELOCATION	3/4/1936	1936LA04749	HIST: P1256 002 0969 IDIS: P5261 00485 0000 thru P5261 0001	

Document Type	Sub Type	Document Date	Document Number	Reel Batch Frame	
BUILDING PERMIT	NEW CONSTRUCTION	7/24/1914	1914LA15199	IDIS: P5067 00864 0000 thru P5067 0001 HIST: P1041 001 1750	
BUILDING PERMIT	NEW CONSTRUCTION	8/26/1919	1919LA07045	HIST: P1061 002 1049 IDIS: P5087 01939 0000 thru P5087 0001	
BUILDING PERMIT	NEW CONSTRUCTION	10/24/1960	1960LAXXXXX	HIST: P1687 002 1055 IDIS: P5794 01623 0000 thru P5794 0001	
BUILDING PERMIT	NEW CONSTRUCTION	10/24/1960	1960LAXXXXX	IDIS: P5794 01490 0000 thru P5794 0001 HIST: P1687 002 0373	
BUILDING PERMIT	NONBLDG-NEW	6/8/1948	1948LA14346	HIST: P1411 002 1552 IDIS: P5448 01555 0000 thru P5448 0001	
CERTIFICATE OF OCCUPANCY		4/24/1950	1950LA02799	IDIS: O0693 01913 0000 HIST: O455	
CERTIFICATE OF OCCUPANCY		9/10/1953	1952LA49097	IDIS: O0693 01914 0000 HIST: O455 HIST: O199 1 3405	

Bldg. Form 3

USE INK OR INDELIBLE PENCIL

3

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

Application to Alter, Repair, Move or Demolish

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

REMOVED FROM	REMOVED TO
Lot X	Lot X
49th STREET School	
Tract	Tract

Present location of building: 4917 McKinley Ave. (House Number and Street)

New location of building: (House Number and Street)

Between what cross streets: 49th 2nd 50th Sts.

Approved by City Engineer.

Deputy.

1. Purpose of PRESENT building: Public School (Store, Residence, Apartment House, or any other purpose.) Families — Rooms 20
2. Use of building AFTER alteration or moving — Families — Rooms 0
3. Owner (Print Name) Los Angeles City School District Phone PR. 1121
4. Owner's address 7th Floor - c/c Building Sta. 16
5. Certificated Architect — State License No. — Phone —
6. Licensed Engineer — State License No. — Phone —
7. Contractor S.E.P.A. Labor. State License No. — Phone —
8. Contractor's address —
9. VALUATION OF PROPOSED WORK (Including all Material, Labor, Finishing, Equipment and Appliances in Completed Building.) $ 1500.00
10. State how many buildings NOW on lot and give use of each: 8 Schools. (Residence, Hotel, Apartment House, or any other purpose.)
11. Size of existing building 70' x 190' Number of stories high 2 Height to highest point 45'
12. Class of building D Brick Material of existing walls Brick Exterior framework Brick (Wood or Steel)

Describe briefly and fully all proposed construction and work:

Demolish present building to ground and remove.

Fill in Application on other Side and Sign Statement (OVER)

FOR DEPARTMENT USE ONLY

PERMIT NO. 14939

PLANS Rec'd

Plans and Specifications checked	Zone	Fire District No.	Fee 7.50
Corrections verified	Set Back Ft.	Street Widening Ft.	Stamp here when Permit is issued
Plans, Specifications and Applications rechecked and approved	Application checked and approved 11-2-34 Clerk.		NOV -5 1934
For Plans See / Filed with	SPRINKLER Required / Valuation Included	Specified Yes—No	Inspector

PLANS, SPECIFICATIONS, and other data must be filed if required.

NEW CONSTRUCTION

Size of Addition NONE Size of Lot ..... x ..... Number of Stories when complete .....

Material of Foundation ..... Width of Footing ..... Depth of footing below ground .....

Width Foundation Wall ..... Size of Redwood Sill ..... x ..... Material Exterior Walls .....

Size of Exterior Studs ..... x ..... Size of Interior Bearing Studs ..... x .....

Joists: First Floor ..... x ..... Second Floor ..... x ..... Rafters ..... x ..... Roofing Material .....

I have carefully examined and read both sides of this completed Application and know the same is true and correct and hereby certify and agree, if a Permit is issued, that all the provisions of the Building Ordinances and State Laws will be complied with whether herein specified or not; also certify that plans and specifications, if required to be filed, will conform to all of the provisions of the Building Ordinances and State laws.

Sign Here BOARD OF EDUCATION
(Owner or Authorized Agent)

By [signature]

FOR DEPARTMENT USE ONLY

Application [illegible]	Fire District [illegible]	Set back	Termite Inspection .....
Construction	Zoning	Street Widening	Forced Draft Ventil .....

(1) REINFORCED CONCRETE

Barrels of Cement .....

Tons of Reinforcing Steel .....

(2) The building (and, or, addition) referred to in this Application is, or will be when moved, more than 100 feet from

..... Street

Sign Here .....
(Owner or Authorized Agent)

(3) No required windows will be obstructed.

Sign Here .....
Owner or Authorized Agent.

(4) There will be an unobstructed passageway at least ten (10) feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign Here .....
(Owner or Authorized Agent)

REMARKS: .....

ALL WOOD AND LUMBER BELOW THE FIRST FLOOR BOARDS WILL BE TREATED AGAINST TERMITE INFESTATION AS REQUIRED BY SEC. 106 OF BUILDING ORDINANCE

OWNER OR AUTHORIZED AGENT

Print

LA DBS
DEPARTMENT OF BUILDING AND SAFETY

January 13, 2022

Document Report

Documents

Document Number(s)
1919LA07045

Record Description
Record ID: 7692876
Doc Type: BUILDING PERMIT
Sub Type: BLDG-NEW
Doc Date: 08/26/1919
Status: None
Doc Version: None
AKA Address: None
Project Name: None
Disaster ID: None
Subject: None
Product Name: None
Manufacturer's Name: None
Expired Date: None
Receipt Number: None
Case Number: None
Scan Number: None
Dwelling Units: None
Comments: This document shows the following information: Type Const 1 = D; S tories = 1.

Property Address(es)
4917 MCKINLEY AVE

Legal Description(s)
Tract:
Block: **Lot:** **Arb:**
Modifier: **Map Reference:**

District Offices(s)
LA

Film RBF
Type: HIST P1061; 002; 1049

****

Note: If you have any questions, please visit one of our Records Counter Section open Monday thru Fridays from 7:30 AM to 4:30 PM, EXCEPT on Wednesdays which opens from 9:00 AM to 4:30 PM.

Locations: Metro - 201 N. Figueroa St., 1st Floor Rm. 110, Los Angeles CA 90012
Van Nuys - 6262 Van Nuys Blvd, 2nd Floor Van Nuys CA 91401

All Applications Must be Filled Out by Applicant

Bldg. Form 2

PLANS AND SPECIFICATIONS and other data must also be filed

BUILDING DIVISION

2

DEPARTMENT OF BUILDING AND SAFETY

Application for the Erection of Frame Buildings

CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO ROOM No. 248 (2ND FLOOR) CITY CLERK PLEASE VERIFY

Lot No. ..... Block .....
(Description of Property)

49th ST. SCHOOL.

District No. ..... M. B. Page ..... F. B. Page .....

O. K. City Clerk By ..... Deputy

TAKE TO ROOM No. 5 (MAIN ST. FLOOR) ENGINEER PLEASE VERIFY

No. 4917 McKINLEY AVE. Street
(Location of Job)

BET. 49th and 50th STS.

O. K. City Engineer By ..... Deputy

(USE INK OR INDELIBLE PENCIL)

1. Purpose of Building Lunch Pavilion No. of Rooms 1 No. of Families --
2. Owner's name L. A. CITY SCHOOL DISTRICT Phone
3. Owner's address 7TH Floor Cham. of Com. Building
   Not to be filled in unless with name of Certificated Architect or Licensed Engineer under State Act
4. Architect's name BOARD OF EDUCATION Phone WE 1121
5. Contractor's name Owners Phone Sta. 160
6. Contractor's address
7. VALUATION OF PROPOSED WORK {Including all Material, Labor, Finishing Equipment and Appliances in Completed Building.} $ 400.00
8. Is there any existing building or permit for a building on lot? Yes How Used? Schools
9. Size of proposed building 16'-0" x 48'-0" Height to highest point 9'-6" feet
10. Number of Stories in height 1 Character of ground Sandy Loam
11. Material of foundation Conc. Size of footings 1'-8" Size of wall 12" Depth below ground 12"
12. Material of chimneys none Number of Inlets to flue -- Interior size of flues --- x
13. Material of exterior walls Wood Posts - (open)
14. Give sizes of following materials: REDWOOD MUDSILLS -- x -- Girders Dirt Floor x
    EXTERIOR studs 8"x8" posts x INTERIOR BEARING studs ------ Interior Non-Bearing Studs ------ Ceiling joists 8" x 8" Roof Rafters 4" x 8" FIRST FLOOR JOISTS ------
    Second floor joists -- x -- Specify material of roof Composition
15. Will all provisions of State Housing Act be Complied with? Yes
17. Will all lathing and plastering Comply with Ordinance? None
16. What Zone is Property in? B

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

OVER

(Sign Here) BOARD OF EDUCATION
(Owner or Authorized Agent) [signature]

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O.K.	Stamp here when permit is
24949	[signature] Plan Examiner	10-15-30 [signature] White Clerk	ISSUED OCT 15 1930

PLANS

L. O. Hayes

19

2.50

FOR DEPARTMENT USE ONLY

APPLICATION	O.K.
CONSTRUCTION	O.K.
ZONING	O.K.
SET-BACK LINE	O.K.
ORD. 33761 (N. S.)	O.K.
FIRE DISTRICT	O.K.

REMARKS

Bldg. Form 8

2

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

Application for the Erection of a Building
OF
CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:
Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:
First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.
Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.
Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

Lot No. .....

49th St. School REVOCABLE PERMIT

Tract .....

Location of Building 4917 McKinley Ave. (House Number, and Street) — Approved by City Engineer

Between what cross streets 49th & 50th Sts. — Deputy

USE INK OR INDELIBLE PENCIL

1. Purpose of building Temporary School Classroom Tent (Store, Residence, Apartment House, Hotel or any other purpose) Families ..... Rooms 1
2. Owner (Print Name) Los Angeles City School District Phone .....
3. Owner's address 7th Floor Chamber of Commerce Building
4. Certificated Architect A. S. Niebecker, Jr. State License No. B-976 Phone PR 1121
5. Licensed Engineer ..... State License No. ..... Phone Sta. 162
6. Contractor Owners State License No. ..... Phone .....
7. Contractor's address .....
8. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and/or elevator equipment therein or thereon.) $ 250.00
9. State how many buildings NOW on lot and give use of each. Public Schools (Store, Residence, Apartment House, Hotel, or any other purpose)
10. Size of new building 16' x 24' No. Stories 1 Height to highest point 12'6" Size lot ..... x .....
11. Type of soil Sandy Loam Foundation (Material) RW Depth in ground .....
12. Width of footing ..... Width of foundation Wall ..... Size of Redwood Sill 4" x 4"
13. Material Exterior Wall Wood & Canvas Size of studs: (Exterior) 2" x 4" (Interior Bearing) ..... x .....
14. Joists: First Floor 2" x 4" Second floor ..... x ..... Rafters 2" x 4" Material of Roof Canvas
15. Chimney (Material) none Size Flue ..... x ..... No. Inlets each flue ..... Depth footing in ground .....

I have carefully examined and read the above completed Application and know the same is true and correct, and hereby certify and agree that if a permit is issued all the provisions of the Building Ordinances and State Laws will be complied with, whether herein specified or not; I also certify that plans and specifications filed will conform to all the Building Ordinances and State Laws.

Sign here BOARD OF EDUCATION
(Owner or Authorized Agent)

Plans, Specifications and other data must be filed if required.

By Kinkaid

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked	Zone	Fire District No.	Fee ..... Stamp here when Permit is issued
709	Corrections verified	Bldg. Line Ft.	Street Widening Ft.	JAN 18 1934
PLANS Rec'd	Plans, Specifications and Application rechecked and approved.	Application checked and approved JAN 18 1934 Clerk.		
	For Plans See	Filed with	SPRINKLER Required Specified Valuation Included Yes No	Inspector

FOR DEPARTMENT USE ONLY			
Application.....	Fire District.....	Bldg. Line.....	Forced Draft Ventil.....
Construction.....	Zoning.....	Street widening.....	

(1)
REINFORCED CONCRETE

Barrels of Cement.....

Tons of Reinforcing Steel.....

(2)
The building referred to in this Application will be more than 100 feet from

.....Street

Sign here.....
(Owner or Authorized Agent)

(3) This building will be not less than 10 feet from any other building used for residential purposes on this lot.

Sign here.....
(Owner or Authorized Agent)

(4)
There will be an unobstructed passageway at least 10 feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign here.....
(Owner or Authorized Agent)

REMARKS:.....

Bldg. Form 1

2

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

Application for the Erection of a Building

OF

CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

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Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

REVOCABLE PERMIT

Lot No. 49th St. School

Tract

Location of Building 4917 McKinley Ave. (House Number, and Street)

Between what cross streets 49th & 50th Sts.

Approved by City Engineer

Deputy

USE INK OR INDELIBLE PENCIL

1. Purpose of building Temporary School Classroom Tent Families Rooms 1 (Store, Residence, Apartment House, Hotel or any other purpose)
2. Owner (Print Name) Los Angeles City School District Phone
3. Owner's address 7th floor Chamber of Commerce Building
4. Certificated Architect A. S. Niebecker, Jr. State License No. B-976 Phone PR 1121
5. Licensed Engineer State License No. Phone Sta. 162
6. Contractor Owners State License No. Phone
7. Contractor's address
8. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and/or elevator equipment therein or thereon.) $250.00
9. State how many buildings NOW on lot and give use of each. Public Schools (Store, Residence, Apartment House, Hotel, or any other purpose)
10. Size of new building 16' 24' No. Stories 1 Height to highest point 12' 6" Size lot x
11. Type of soil Sandy Loam Foundation (Material) RW Depth in ground
12. Width of footing Width of foundation Wall Size of Redwood Sill 4" x 4"
13. Material Exterior Wall Wood & Canvas Size of studs: (Exterior) 2" x 4" (Interior Bearing) x
14. Joists: First Floor 2" x 4" Second floor x Rafters 2" x 4" Material of Roof Canvas
15. Chimney (Material) none Size Flue x No. Inlets each flue Depth footing in ground

I have carefully examined and read the above completed Application and know the same is true and correct, and hereby certify and agree that if a permit is issued all the provisions of the Building Ordinances and State Laws will be complied with, whether herein specified or not; I also certify that plans and specifications filed will conform to all the Building Ordinances and State Laws.

Sign here BOARD OF EDUCATION (Owner or Authorized Agent)

By Kimball

Plans, Specifications and other data must be filed if required.

PERMIT NO.	FOR DEPARTMENT USE ONLY			Fee
710	Plans and Specifications checked	Zone	Fire District No.	Stamp here when Permit is issued
	Corrections verified	Bldg. Line Ft.	Street Widening Ft.	JAN 18 1934
PLANS	Plans, Specifications and Application rechecked and approved.	Application checked and approved JAN 18 1934 Clerk.		
Rec'd	For Plans See	Filed with	SPRINKLER Required Valuation Included Specified Yes—No	Inspector

Bd 2. 4/1/34

FOR DEPARTMENT USE ONLY			
Application..... Construction.....	Fire District..... Zoning.....	Bldg. Line..... Street widening.....	Forced Draft Ventil.....

(1)

REINFORCED CONCRETE

Barrels of Cement.....

Tons of Reinforcing Steel.....

(2)

The building referred to in this Application will be more than 100 feet from

.....Street

Sign here.....
(Owner or Authorized Agent)

(3) This building will be not less than 10 feet from any other building used for residential purposes on this lot.

Sign here.....
(Owner or Authorized Agent)

(4)

There will be an unobstructed passageway at least 10 feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign here.....
(Owner or Authorized Agent)

REMARKS:.....

Bldg. Form 2

2

CITY OF LOS ANGELES

DEPARTMENT OF BUILDING AND SAFETY

BUILDING DIVISION

Application for the Erection of a Building

OF

CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

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Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

Lot No. REVOCABLE PERMIT

Tract 49th St. School

Location of Building 4917 Mc Kinley Ave. (House Number, and Street)

Between what cross streets 49th & 50th Sts.

Approved by City Engineer

Deputy

USE INK OR INDELIBLE PENCIL

1. Purpose of building Temporary School Classroom Tent (Store, Residence, Apartment House, Hotel or any other purpose) Families ... Rooms 1
2. Owner (Print Name) Los Angeles City School District ... Phone ...
3. Owner's address 7th floor Chamber of Commerce Building
4. Certificated Architect A. S. Niebecker, Jr. State License No. B-976 Phone PR 1121
5. Licensed Engineer ... State License No. ... Phone Sta. 162
6. Contractor Owners ... State License No. ... Phone ...
7. Contractor's address ...
8. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and/or elevator equipment therein or thereon.) $250.00
9. State how many buildings NOW on lot and give use of each. Public Schools (Store, Residence, Apartment House, Hotel, or any other purpose)
10. Size of new building 16' 24' No. Stories 1 Height to highest point 12' 6" Size lot ... x ...
11. Type of soil Sandy Loam Foundation (Material) RW Depth in ground ...
12. Width of footing ... Width of foundation Wall ... Size of Redwood Sill 4" x 4"
13. Material Exterior Wall Wood & Canvas Size of studs: (Exterior) 2" x 4" (Interior Bearing) ... x ...
14. Joists: First Floor 2" x 4" Second floor ... x ... Rafters 2" x 4" Material of Roof Canvas
15. Chimney (Material) none Size Flue ... x ... No. Inlets each flue ... Depth footing in ground ...

I have carefully examined and read the above completed Application and know the same is true and correct, and hereby certify and agree that if a permit is issued all the provisions of the Building Ordinances and State Laws will be complied with, whether herein specified or not; I also certify that plans and specifications filed will conform to all the Building Ordinances and State Laws.

Sign here BOARD OF EDUCATION
(Owner or Authorized Agent)

By Timbrell

Plans, Specifications and other data must be filed if required.

FOR DEPARTMENT USE ONLY

PERMIT NO. 711	Plans and Specifications checked	Zone	Fire District No.
	Corrections verified	Bldg. Line Ft.	Street Widening Ft.
PLANS Rec'd.	Plans, Specifications and Application rechecked and approved.	Application checked and approved JAN 18 1934 Clerk.	SPRINKLER Required Specified Valuation Included Yes No
	For Plans See	Filed with	Inspector

Fee ...

Stamp here when Permit is issued

JAN 18 1934

FOR DEPARTMENT USE ONLY			
Application.....	Fire District.....	Bldg. Line.....	Forced Draft Ventil.....
Construction.....	Zoning.....	Street widening.....	

(1)

REINFORCED CONCRETE

Barrels of Cement.....

Tons of Reinforcing Steel.....

(2)

The building referred to in this Application will be more than 100 feet from

.....Street

Sign here.....
(Owner or Authorized Agent)

(3) This building will be not less than 10 feet from any other building used for residential purposes on this lot.

Sign here.....
(Owner or Authorized Agent)

(4)

There will be an unobstructed passageway at least 10 feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign here.....
(Owner or Authorized Agent)

REMARKS:.....

Bldg. Form 8

2

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

Application for the Erection of a Building
OF
CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

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Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

Lot No. .....

49th St. School. REVOCABLE PERMIT

Tract .....

Location of Building 4917 Mc. Kinley Ave. (House Number, and Street) — Approved by City Engineer

Between what cross streets 49th & 50th Sts. — Deputy

USE INK OR INDELIBLE PENCIL

1. Purpose of building Temporary School Classroom Tent (Store, Residence, Apartment House, Hotel or any other purpose) Families ..... Rooms 1
2. Owner (Print Name) Los Angeles City School District Phone .....
3. Owner's address 7th floor Chamber of Commerce Building .....
4. Certificated Architect A. S. Niebecker, Jr. State License No. B-976 Phone PR 1121
5. Licensed Engineer ..... State License No. ..... Phone Sta. 162
6. Contractor Owners State License No. ..... Phone .....
7. Contractor's address .....
8. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and/or elevator equipment therein or thereon.) $250.00
9. State how many buildings NOW on lot and give use of each. Public Schools (Store, Residence, Apartment House, Hotel, or any other purpose)
10. Size of new building 16' 24' No. Stories 1 Height to highest point 12' 6" Size lot ..... x .....
11. Type of soil Sandy Loam Foundation (Material) RW Depth in ground .....
12. Width of footing ..... Width of foundation Wall ..... Size of Redwood Sill 4" x 4"
13. Material Exterior Wall Wood & Canvas Size of studs: (Exterior) 2" x 4" (Interior Bearing) ..... x .....
14. Joists: First Floor 2" x 4" Second floor ..... x ..... Rafters 2" x 4" Material of Roof Canvas
15. Chimney (Material) none Size Flue ..... x ..... No. Inlets each flue ..... Depth footing in ground .....

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Sign here BOARD OF EDUCATION
(Owner or Authorized Agent)

By .....

Plans, Specifications and other data must be filed if required.

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked	Zone	Fire District / No.	Fee ..... Stamp here when Permit is issued
712	Corrections verified	Bldg. Line Ft.	Street Widening Ft.	JAN 18 1934
PLANS Rec'd	Plans, Specifications and Application rechecked and approved.	Application checked and approved JAN 18 1934		
	For Plans See	Filed with	SPRINKLER Required Specified Valuation Includes Yes No	Inspector

FOR DEPARTMENT USE ONLY			
Application..... Construction.....	Fire District..... Zoning.....	Bldg. Line..... Street widening.....	Forced Draft Ventil.....

(1)

REINFORCED CONCRETE

Barrels of Cement.....

Tons of Reinforcing Steel.....

(2) The building referred to in this Application will be more than 100 feet from

.....Street

Sign here.....
(Owner or Authorized Agent)

(3) This building will be not less than 10 feet from any other building used for residential purposes on this lot.

Sign here.....
(Owner or Authorized Agent)

(4) There will be an unobstructed passageway at least 10 feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign here.....
(Owner or Authorized Agent)

REMARKS:.....

Bldg. Form 1

2

CITY OF LOS ANGELES

DEPARTMENT OF BUILDING AND SAFETY

BUILDING DIVISION

Application for the Erection of a Building

OF

CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

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Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

Lot No. REVOCABLE PERMIT

49th St. School

Tract

Location of Building 4917 McKinley Ave. (House Number, and Street)

Between what cross streets 49th & 50th Sts.

Approved by City Engineer

Deputy

USE INK OR INDELIBLE PENCIL

1. Purpose of building Temporary School Classroom Tent (Store, Residence, Apartment House, Hotel or any other purpose) Families Rooms 1
2. Owner (Print Name) Los Angeles City School District Phone
3. Owner's address 7th floor Chamber of Commerce Building
4. Certificated Architect A. S. Niebecker, Jr. State License No. B-976 Phone PR 1121
5. Licensed Engineer State License No. Phone Sta. 162
6. Contractor Owners State License No. Phone
7. Contractor's address
8. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and/or elevator equipment therein or thereon.) $ 250.00
9. State how many buildings NOW on lot and give use of each. Public Schools (Store, Residence, Apartment House, Hotel, or any other purpose)
10. Size of new building 16' x 24' No. Stories 1 Height to highest point 12'6" Size lot x
11. Type of soil Sandy Loam Foundation (Material) RW Depth in ground
12. Width of footing Width of foundation Wall Size of Redwood Sill 4" x 4"
13. Material Exterior Wall Wood & Canvas Size of studs: (Exterior) 2" x 4" (Interior Bearing) x
14. Joists: First Floor 2" x 4" Second floor x Rafters 2" x 4" Material of Roof Canvas
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Sign here BOARD OF EDUCATION
(Owner or Authorized Agent)

By Linded

Plans, Specifications and other data must be filed if required.

FOR DEPARTMENT USE ONLY

PERMIT NO. 720	Plans and Specifications checked	Zone	Fire District No.
	Corrections verified	Bldg. Line Ft.	Street Widening Ft.
PLANS Rec'd	Plans, Specifications and Application rechecked and approved.	Application checked and approved JAN 18 1934	
	For Plans See	Filed with	SPRINKLER Required Specified Valuation Included Yes No

Fee

Stamp here when Permit is issued

JAN 18 1934

Inspector

FOR DEPARTMENT USE ONLY			
Application...	Fire District.....	Bldg. Line.....	Forced Draft Ventil.....
Construction.....	Zoning.....	Street widening.....	

(1)
REINFORCED CONCRETE

Barrels of Cement.....

Tons of Reinforcing Steel.....

(2)
The building referred to in this Application will be more than 100 feet from

.....Street

Sign here.....
(Owner or Authorized Agent)

(3) This building will be not less than 10 feet from any other building used for residential purposes on this lot.

Sign here.....
(Owner or Authorized Agent)

(4)
There will be an unobstructed passageway at least 10 feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign here.....
(Owner or Authorized Agent)

REMARKS:.....

Bldg. Form 2

2

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

Application for the Erection of a Building
OF
CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

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Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

Lot No. REVOCABLE PERMIT
49th St. School

Tract

Location of Building 4917 McKinley Ave. (House Number, and Street)
Between what cross streets 49th & 50th Sts.

Approved by City Engineer
Deputy

USE INK OR INDELIBLE PENCIL

1. Purpose of building Temporary School Classroom Tent (Store, Residence, Apartment House, Hotel or any other purpose) Families Rooms 1
2. Owner (Print Name) Los Angeles City School District Phone
3. Owner's address 7th floor Chamber of Commerce Building
4. Certificated Architect A. S. Niebecker, Jr. State License No. B-976 Phone PR 1121
5. Licensed Engineer State License No. Phone Sta. 162
6. Contractor Owners State License No. Phone
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Sign here BOARD OF EDUCATION (Owner or Authorized Agent)

By Kimball

Plans, Specifications and other data must be filed if required.

FOR DEPARTMENT USE ONLY

PERMIT NO. 727	Plans and Specifications checked	Zone	Fire District No.
	Corrections verified	Bldg. Line Ft.	Street Widening Ft.
PLANS Rec'd	Plans, Specifications and Application rechecked and approved.	Application checked and approved JAN 18 1934 Clerk.	Fee Stamp here when Permit is issued JAN 18 1934
	For Plans See / Filed with	SPRINKLER Required Specified Valuation Included Yes No	Inspector

FOR DEPARTMENT USE ONLY			
Application..... Construction.....	Fire District..... Zoning.....	Bldg. Line..... Street widening.....	Forced Draft Ventil.....

(1)

REINFORCED CONCRETE

Barrels of Cement.....

Tons of Reinforcing Steel.....

(2)

The building referred to in this Application will be more than 100 feet from

.....Street

Sign here.....
(Owner or Authorized Agent)

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Sign here.....
(Owner or Authorized Agent)

(4)

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Sign here.....
(Owner or Authorized Agent)

REMARKS:.....

Bldg. Form 1

2

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

Application for the Erection of a Building
OF
CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

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REVOCABLE PERMIT

Lot No. .....

49th St. School.

Tract .....

Location of Building 4917 McKinley Ave. (House Number, and Street) — Approved by City Engineer

Between what cross streets 49th & 50th Sts. — Deputy

USE INK OR INDELIBLE PENCIL

1. Purpose of building Temporary School Classroom Tent (Store, Residence, Apartment House, Hotel or any other purpose) Families ..... Rooms 1
2. Owner (Print Name) Los Angeles City School District Phone .....
3. Owner's address 7th floor Chamber of Commerce Building
4. Certificated Architect A. S. Niebecker, Jr. State License No. B-976 Phone PR1121
5. Licensed Engineer ..... State License No. ..... Phone Sta. 162
6. Contractor Owners State License No. ..... Phone .....
7. Contractor's address .....
8. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and/or elevator equipment therein or thereon.) $ 250.00
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10. Size of new building 16' x 24' No. Stories 1 Height to highest point 12'6" Size lot ..... x .....
11. Type of soil Sandy Loam Foundation (Material) RW Depth in ground .....
12. Width of footing ..... Width of foundation Wall ..... Size of Redwood Sill 4" x 4"
13. Material Exterior Wall Wood & Canvas Size of studs: (Exterior) 2" x 4" (Interior Bearing) ..... x .....
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Sign here BOARD OF EDUCATION
(Owner or Authorized Agent)

By .....

Plans, Specifications and other data must be filed if required.

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked	Zone	Fire District / No.	Fee ..... Stamp here when Permit is issued
	Corrections verified	Bldg. Line Ft.	Street Widening Ft.	JAN 18 1934
PLANS Rec'd	Plans, Specifications and Application rechecked and approved	Application checked and approved JAN 18 1934		
	For Plans See	Filed with	SPRINKLER Required Valuation Included Specified Yes—No	Inspector

FOR DEPARTMENT USE ONLY			
Application.....	Fire District.....	Bldg. Line.....	Forced Draft Ventil.....
Construction.....	Zoning.....	Street widening.....	

(1)
REINFORCED CONCRETE

Barrels of Cement.....

Tons of Reinforcing Steel.....

(2)
The building referred to in this Application will be more than 100 feet from

.....Street

Sign here.....
(Owner or Authorized Agent)

(3) This building will be not less than 10 feet from any other building used for residential purposes on this lot.

Sign here.....
(Owner or Authorized Agent)

(4)
There will be an unobstructed passageway at least 10 feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign here.....
(Owner or Authorized Agent)

REMARKS:.....

Bldg. Form 2

2

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

REVOCABLE PERMIT

Application for the Erection of a Building
OF
CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

Lot No. Forty-Ninth St. School L.A.

Tract

Location of Building 4917 Mc. Kinley Ave. (House Number, and Street)

Between what cross streets 49th & 50th Sts.

Approved by City Engineer

Deputy

USE INK OR INDELIBLE PENCIL

1. Purpose of building TEMPORARY SANITARY BUILDING (Store, Residence, Apartment House, Hotel or any other purpose) Families - Rooms 2
2. Owner (Print Name) Los Angeles City School SDistrict Phone
3. Owner's address 7th floor Chamber of Commerce Building
4. Certificated Architect A. S. Nibecker, Jr. State License No. B-976 Phone PR. 1121
5. Licensed Engineer State License No. Phone Sta. 162
6. Contractor Owners State License No. Phone
7. Contractor's address
8. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and/or elevator equipment therein or thereon.) $ 950.00
9. State how many buildings NOW on lot and give use of each. Schools (Store, Residence, Apartment House, Hotel, or any other purpose)
10. Size of new building 18' x 19' No. Stories 1 Height to highest point 14' Size lot - x -
11. Type of soil Sandy Loam Foundation (Material) R.W. Depth in ground - -
12. Width of footing - Width of foundation Wall - Size of Redwood Sill 4" x 6"
13. Material Exterior Wall Wood Size of studs: (Exterior) 2" x 4" (Interior Bearing) - x
14. Joists: First Floor 2" x 10" Second floor - x - Rafters 2" x 4" Material of Roof Composition
15. Chimney (Material) - Size Flue x No. Inlets each flue Depth footing in ground

I have carefully examined and read the above completed Application and know the same is true and correct, and hereby certify and agree that if a permit is issued all the provisions of the Building Ordinances and State Laws will be complied with, whether herein specified or not; I also certify that plans and specifications filed will conform to all the Building Ordinances and State Laws.

Sign here BOARD OF EDUCATION (Owner or Authorized Agent)

By [signature]

Plans, Specifications and other data must be filed if required.

PERMIT NO.	FOR DEPARTMENT USE ONLY			Fee 3 22
2411	Plans and Specifications checked	Zone	Fire District No.	Stamp here when Permit is issued
	Corrections verified	Bldg. Line Ft.	Street Widening Ft.	FEB 16 1934
PLANS	Plans, Specifications and Application recheched and approved [signature]	Application checked and approved 2/14/34 [signature] Clerk.		
	For Plans See OR B/C	Filed with 2/15/34	SPRINKLER Required Specified Valuation Included Yes No	Inspector [signature]

FOR DEPARTMENT USE ONLY			
Application.....	Fire District.....	Bldg. Line.....	Forced Draft Ventil.....
Construction.....	Zoning.....	Street widening.....	

(1)
REINFORCED CONCRETE

Barrels of Cement.....

Tons of Reinforcing Steel.....

(2)
The building referred to in this Application will be more than 100 feet from

.....Street

Sign here.....
(Owner or Authorised Agent)

(3) This building will be not less than 10 feet from any other building used for residential purposes on this lot.

Sign here.....
(Owner or Authorised Agent)

(4)
There will be an unobstructed passageway at least 10 feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign here.....
(Owner or Authorised Agent)

REMARKS:.....

Bldg. Form 2

2

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

REVOCATION PERMIT

Application for the Erection of a Building
OF
CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

Lot No. Forty-Ninth St. School L.A.

Tract

Location of Building 4917 McKinley Ave. (House Number, and Street)

Between what cross streets 49th. & 50th. Sts.

Approved by City Engineer

Deputy

USE INK OR INDELIBLE PENCIL

1. Purpose of building TEMPORARY SANITARY BUILDING (Store, Residence, Apartment House, Hotel or any other purpose) Families - Rooms 2
2. Owner (Print Name) Los Angeles City School District Phone
3. Owner's address 7th floor Chamber of Commerce Building
4. Certificated Architect A. S. Nibecker, Jr. State License No. B-976 Phone PR. 1121
5. Licensed Engineer State License No. Phone Sta. 162
6. Contractor Owners State License No. Phone
7. Contractor's address
8. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and/or elevator equipment therein or thereon.) $ 950.00
9. State how many buildings NOW on lot and give use of each Schools (Store, Residence, Apartment House, Hotel, or any other purpose)
10. Size of new building 18' x 19' No. Stories 1 Height to highest point 14' Size lot - x -
11. Type of soil Sandy Loam Foundation (Material) R.W. Depth in ground - -
12. Width of footing - Width of foundation Wall - Size of Redwood Sill 4" x 6"
13. Material Exterior Wall Wood Size of studs: (Exterior) 2" x 4" (Interior Bearing) - x
14. Joists: First Floor 2" x 10" Second floor - x Rafters 2" x 4" Material of Roof Composition
15. Chimney (Material) - Size Flue x No. Inlets each flue Depth footing in ground

I have carefully examined and read the above completed Application and know the same is true and correct, and hereby certify and agree that if a permit is issued all the provisions of the Building Ordinances and State Laws will be complied with, whether herein specified or not; I also certify that plans and specifications filed will conform to all the Building Ordinances and State Laws.

Sign here BOARD OF EDUCATION (Owner or Authorized Agent)

By [signature]

Plans, Specifications and other data must be filed if required.

PERMIT NO.	FOR DEPARTMENT USE ONLY			Fee 3.75
2412	Plans and Specifications checked	Zone	Fire District No.	Stamp here when Permit is issued
	Corrections verified	Bldg. Line Ft.	Street Widening Ft.	FEB 15 1934
PLANS	Plans, Specifications and Application rechecked and approved [signature]	Application checked and approved 2/14/34 [signature] Clerk		
Rec'd [signature]	For Plans See [signature] Filed with 2/7/34	SPRINKLER Required Valuation Included Specified Yes No		Inspector [signature]

FOR DEPARTMENT USE ONLY			
Application.....	Fire District.....	Bldg. Line.....	Forced Draft Ventil.....
Construction.....	Zoning.....	Street widening.....	

(1)

REINFORCED CONCRETE

Barrels of Cement.....

Tons of Reinforcing Steel.....

(2)

The building referred to in this Application will be more than 100 feet from

.....Street

Sign here.....
(Owner or Authorized Agent)

(3) This building will be not less than 10 feet from any other building used for residential purposes on this lot.

Sign here.....
(Owner or Authorized Agent)

(4)

There will be an unobstructed passageway at least 10 feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign here.....
(Owner or Authorized Agent)

REMARKS:.....

Bldg. Form 2

2

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

REVOCABLE

Application for the Erection of a Building
OF
CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

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Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

Lot No. "A"

49th St. School.

Tract No. 2056

Location of Building 4917 Mc Kinley Ave. (House Number, and Street)

Between what cross streets 49th & 50th Sts.

Approved by City Engineer

Deputy

USE INK OR INDELIBLE PENCIL

1. Purpose of building Temporary Office Bungalow (Store, Residence, Apartment House, Hotel or any other purpose) Families - Rooms 1
2. Owner (Print Name) Los Angeles City School District Phone
3. Owner's address 7th floor Chamber of Commerce Building
4. Certificated Architect A. S. Nibecker, Jr. State License No. B-976 Phone PR. 1121
5. Licensed Engineer State License No. Phone Sta.162
6. Contractor Owners State License No. Phone
7. Contractor's address
8. VALUATION OF PROPOSED WORK {Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and/or elevator equipment therein or thereon.} $ 1200.00
9. State how many buildings NOW on lot and give use of each. Public Schools (Store, Residence, Apartment House, Hotel, or any other purpose)
10. Size of new building 24' x 38' No. Stories 1 Height to highest point 17' Size lot - x -
11. Type of soil Sandy Loam Foundation (Material) R. W. Depth in ground -
12. Width of footing - Width of foundation Wall - Size of Redwood Sill 3" x 6"
13. Material Exterior Wall Wood Size of studs: (Exterior) 2" x 4" (Interior Bearing) - x -
14. Joists: First Floor 2" x 8" Second floor - x - Rafters 2" x 4" Material of Roof Composition
15. Chimney (Material) None Size Flue - x - No. Inlets each flue Depth footing in ground

I have carefully examined and read the above completed Application and know the same is true and correct, and hereby certify and agree that if a permit is issued all the provisions of the Building Ordinances and State Laws will be complied with, whether herein specified or not; I also certify that plans and specifications filed will conform to all the Building Ordinances and State Laws.

Sign here (Owner or Authorized Agent)

By Kimball.

Plans, Specifications and other data must be filed if required.

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked	Zone	Fire District / No.	Fee
3685	Corrections verified	Bldg. Line Ft.	Street Widening Ft.	Stamp here when Permit is issued
PLANS	Plans, Specifications and Application recommended and approved	Application checked and approved		MAR 15 1934
Rec'd	For Plans See / Filed with	SPRINKLER Required / Specified Valuation Included Yes—No		Inspector

FOR DEPARTMENT USE ONLY			
Application.....	Fire District.....	Bldg. Line.....	Forced Draft Ventil.....
Construction.....	Zoning.....	Street widening.....	

(1)
REINFORCED CONCRETE

Barrels of Cement.....

Tons of Reinforcing Steel.....

(2)
The building referred to in this Application will be more than 100 feet from

.....Street

Sign here.....
(Owner or Authorized Agent)

(3) This building will be not less than 10 feet from any other building used for residential purposes on this lot.

Sign here.....
(Owner or Authorized Agent)

(4)
There will be an unobstructed passageway at least 10 feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign here.....
(Owner or Authorized Agent)

REMARKS:

No filing fee is required for this building, as the contract price is less than $1000.00

Board Education
O.K. C.H.W.
per AFM

Bldg. Form 2

2

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

REVOCABLE PERMIT

Application for the Erection of a Building
OF
CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

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Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

Lot No. .....

Forty-Ninth Street School

Tract .....

Location of Building 4917 McKinley Avenue (House Number and Street)

Between what cross streets 49th St. & 50th St.

Approved by City Engineer

..... Deputy

USE INK OR INDELIBLE PENCIL

1. Purpose of building Temporary School Classroom Tent (Store, Residence, Apartment House, Hotel or any other purpose) Families - Rooms 1
2. Owner (Print Name) Los Angeles City School District Phone .....
3. Owner's address 7th Floor, Chamber of Commerce Building
4. Certificated Architect A. S. Nibecker, Jr. State License No. B-976 Phone PR 1121
5. Licensed Engineer ..... State License No. ..... Phone STA 162
6. Contractor Owners State License No. ..... Phone .....
7. Contractor's address .....
8. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and/or elevator equipment therein or thereon.) $ 250.00
9. State how many buildings NOW on lot and give use of each. Public Schools (Store, Residence, Apartment House, Hotel, or any other purpose)
10. Size of new building 16' x 24' No. Stories 1 Height to highest point 12½ Size lot ..... x .....
11. Type of soil Sandy Loam Foundation (Material) R.W. Depth in ground .....
12. Width of footing ..... Width of foundation Wall ..... Size of Redwood Sill 4" x 4"
13. Material Exterior Wall Wood & Canvas Size of studs: (Exterior) 2" x 4" (Interior Bearing) ..... x .....
14. Joists: First Floor 2" x 4" Second floor ..... x ..... Rafters 2" x 4" Material of Roof Canvas
15. Chimney (Material) None Size Flue ..... x ..... No. Inlets each flue ..... Depth footing in ground .....

I have carefully examined and read the above completed Application and know the same is true and correct, and hereby certify and agree that if a permit is issued all the provisions of the Building Ordinances and State Laws will be complied with, whether herein specified or not; I also certify that plans and specifications filed will conform to all the Building Ordinances and State Laws.

Sign here .....
(Owner or Authorized Agent)

Plans, Specifications and other data must be filed if required.

By ..... Eng

PERMIT NO.	FOR DEPARTMENT USE ONLY			Fee .....
7496	Plans and Specifications checked	Zone	Fire District No.	Stamp here when Permit is issued
7497	Corrections verified	Bldg. Line Ft.	Street Widening Ft.	JUN -7 1934
PLANS	Plans, Specifications and Application rechecked and approved	Application checked and approved JUN 6 1934 Clerk		
Sec'd	For Plans See / Filed with	SPRINKLER Required Valuation Included / Specified Yes No		Inspector 3 with for Ramsey

FOR DEPARTMENT USE ONLY			
Application.....	Fire District.....	Bldg. Line.....	Forced Draft Ventil.....
Construction.....	Zoning.....	Street widening.....	

(1) REINFORCED CONCRETE

Barrels of Cement.....

Tons of Reinforcing Steel.....

(2) The building referred to in this Application will be more than 100 feet from

.....Street

Sign here.....
(Owner or Authorized Agent)

(3) This building will be not less than 10 feet from any other building used for residential purposes on this lot.

Sign here.....
(Owner or Authorized Agent)

(4) There will be an unobstructed passageway at least 10 feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign here.....
(Owner or Authorized Agent)

REMARKS:.....

Bldg. Form 1

2

CITY OF LOS ANGELES

DEPARTMENT OF BUILDING AND SAFETY

BUILDING DIVISION

REVOCABLE PERMIT

Application for the Erection of a Building

OF

CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

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Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

Lot No. .....

Forty-Ninth Street E. of Lot

Tract .....

Location of Building 4907 N/S Gage Avenue (House Number, and Street)

Between what cross streets 49th Street & 50½ Street

Approved by City Engineer

Deputy

USE INK OR INDELIBLE PENCIL

1. Purpose of building Temporary School Classroom Tent (Store, Residence, Apartment House, Hotel or any other purpose) Families - Rooms 1
2. Owner (Print Name) Los Angeles City School District Phone .....
3. Owner's address 7th Floor, Chamber of Commerce Building
4. Certificated Architect A. S. Nibecker, Jr. State License No. R-976 Phone Pr 1121
5. Licensed Engineer ..... State License No. ..... Phone Sta 162
6. Contractor Owners State License No. ..... Phone .....
7. Contractor's address .....
8. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and/or elevator equipment therein or thereon.) $ 250.00
9. State how many buildings NOW on lot and give use of each. Public Schools (Store, Residence, Apartment House, Hotel, or any other purpose)
10. Size of new building 16x 24' No. Stories 1 Height to highest point 12½ Size lot ..... x .....
11. Type of soil Sandy Loam Foundation (Material) R.W. Depth in ground .....
12. Width of footing ..... Width of foundation Wall ..... Size of Redwood Sill 4" x 4"
13. Material Exterior Wall Wood & Canvas Size of studs: (Exterior) 2" x 4" (Interior Bearing) ..... x .....
14. Joists: First Floor 2" 4" Second floor ..... x ..... Rafters 2" 4" Material of Roof Canvas
15. Chimney (Material) None Size Flue ..... x ..... No. Inlets each flue ..... Depth footing in ground .....

I have carefully examined and read the above completed Application and know the same is true and correct, and hereby certify and agree that if a permit is issued all the provisions of the Building Ordinances and State Laws will be complied with, whether herein specified or not; I also certify that plans and specifications filed will conform to all the Building Ordinances and State Laws.

Sign here ..... (Owner or Authorized Agent)

Plans, Specifications and other data must be filed if required.

By Ed.

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and Specifications checked	Zone	Fire District No.	Fee .....
7437	Corrections verified	Bldg. Line Ft.	Street Widening Ft.	Stamp here when Permit is issued JUN -7 1934
PLANS Rec'd	Plans, Specifications and Application rechecked and approved. For Plans See	Application checked and approved JUN 6 1934 Filed with	SPRINKLER Required Valuation Included Yes Special	Inspector 3 Wait for Rem

FOR DEPARTMENT USE ONLY			
Application.....	Fire District.....	Bldg. Line.....	Forced Draft Ventil.....
Construction.....	Zoning.....	Street widening.....	

(1)

REINFORCED CONCRETE

Barrels of Cement.....

Tons of Reinforcing Steel.....

(2) The building referred to in this Application will be more than 100 feet from

.....Street

Sign here.....
(Owner or Authorized Agent)

(3) This building will be not less than 10 feet from any other building used for residential purposes on this lot.

Sign here.....
(Owner or Authorized Agent)

(4) There will be an unobstructed passageway at least 10 feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign here.....
(Owner or Authorized Agent)

REMARKS:.....

Bldg. Form 2

2

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

REVOCABLE PERMIT

Application for the Erection of a Building
OF
CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

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Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

Lot No. FORTY-NINTH STREET SCHOOL

Tract

Location of Building 4917 McKINLEY Avenue (House Number, and Street)

Between what cross streets 49th St. & 50th St.

Approved by City Engineer

Deputy

USE INK OR INDELIBLE PENCIL

1. Purpose of building Temporary School Classroom Tent (Store, Residence, Apartment House, Hotel or any other purpose) Families - Rooms 1
2. Owner (Print Name) Los Angeles Cith School District Phone
3. Owner's address 7th Floor, Chamber of Commerce Building
4. Certificated Architect A. S. Nibecker, Jr. State License No. B-976 Phone PR 1121
5. Licensed Engineer State License No. Phone Sta. 162
6. Contractor Owners State License No. Phone
7. Contractor's address
8. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and/or elevator equipment therein or thereon.) $ 250.00
9. State how many buildings NOW on lot and give use of each Public Schools (Store, Residence, Apartment House, Hotel, or any other purpose)
10. Size of new building 16' x 24' No. Stories 1 Height to highest point 12½" Size lot — x —
11. Type of soil Sandy Loam Foundation (Material) R.W. Depth in ground —
12. Width of footing — Width of foundation Wall — Size of Redwood Sill 4" x 4"
13. Material Exterior Wall Wood & Canvass Size of studs: (Exterior) 2" x 4" (Interior Bearing) x
14. Joists: First Floor 2" x 4" Second floor — x — Rafters 2" x 4" Material of Roof Canvass
15. Chimney (Material) None Size Flue — x — No. Inlets each flue — Depth footing in ground —

I have carefully examined and read the above completed Application and know the same is true and correct, and hereby certify and agree that if a permit is issued all the provisions of the Building Ordinances and State Laws will be complied with, whether herein specified or not; I also certify that plans and specifications filed will conform to all the Building Ordinances and State Laws.

Sign here (Owner or Authorized Agent)

Plans, Specifications and other data must be filed if required.

By [signature]

PERMIT NO.	FOR DEPARTMENT USE ONLY			Fee
7498	Plans and Specifications checked	Zone	Fire District No.	Stamp here when Permit is issued
	Corrections verified	Bldg. Line Ft.	Street Widening Ft.	JUN -7 1934
PLANS	Plans, Specifications and Application recheck and approved [signature]	Application checked and approved [signature] JUN 6 1934 Clerk.		
Rec'd	For Plans See / Filed with	SPRINKLER Required Variation Included / Specified Yes No		Inspector 3 Mett for Penny

FOR DEPARTMENT USE ONLY			
Application.....	Fire District.....	Bldg. Line.....	Forced Draft Ventil.....
Construction.....	Zoning.....	Street widening.....	

(1)
REINFORCED CONCRETE

Barrels of Cement.....

Tons of Reinforcing Steel.....

(2)
The building referred to in this Application will be more than 100 feet from

.....Street

Sign here.....
(Owner or Authorized Agent)

(3) This building will be not less than 10 feet from any other building used for residential purposes on this lot.

Sign here.....
(Owner or Authorized Agent)

(4)
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Sign here.....
(Owner or Authorized Agent)

REMARKS:.....

Bldg. Form 2

2

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

REVOCABLE PERMIT

Application for the Erection of a Building
OF
CLASS "D"

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Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

Lot No. .....

Forty-Ninth Street School

Tract .....

Location of Building 4917 McKinley Avenue (House Number, and Street)

Between what cross streets 49th Street & 50th Street

Approved by City Engineer

Deputy

USE INK OR INDELIBLE PENCIL

1. Purpose of building Temporary School Classroom Tent (Store, Residence, Apartment House, Hotel or any other purpose) Families - Rooms 1
2. Owner (Print Name) Los Angeles City School District Phone .....
3. Owner's address 7th Floor, Chamber of Commerce Building
4. Certificated Architect A. S. Nibecker, Jr. State License No. B-976 Phone PH 1121
5. Licensed Engineer ..... State License No. ..... Phone Sta. 162
6. Contractor Owners State License No. ..... Phone .....
7. Contractor's address .....
8. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and/or elevator equipment therein or thereon.) $ 250.00
9. State how many buildings NOW on lot and give use of each. Public Schools (Store, Residence, Apartment House, Hotel, or any other purpose)
10. Size of new building 16' x 24' No. Stories 1 Height to highest point 12½ Size lot - x -
11. Type of soil Sandy Loam Foundation (Material) R.W. Depth in ground —
12. Width of footing ..... Width of foundation Wall — Size of Redwood Sill 4" x 4"
13. Material Exterior Wall Wood & Canvass Size of studs: (Exterior) 2" x 4" (Interior Bearing) - x -
14. Joists: First Floor 2" x 4" Second floor — x — Rafters 2" x 4" Material of Roof Canvass
15. Chimney (Material) None Size Flue — x — No. Inlets each flue — Depth footing in ground .....

I have carefully examined and read the above completed Application and know the same is true and correct, and hereby certify and agree that if a permit is issued all the provisions of the Building Ordinances and State Laws will be complied with, whether herein specified or not; I also certify that plans and specifications filed will conform to all the Building Ordinances and State Laws.

Sign here ..... (Owner or Authorized Agent)

Plans, Specifications and other data must be filed if required.

By ..... Eng

PERMIT NO.	FOR DEPARTMENT USE ONLY			Fee .....
	Plans and Specifications checked	Zone	Fire District No.	Stamp here when Permit is issued
7499	Corrections verified	Bldg. Line Ft.	Street Widening Ft.	JUN -7 1934
PLANS	Plans, Specifications and Application rechecked and approved.	Application checked and approved JUN 6 1934		
Rec'd	For Plans See / Filed with	SPRINKLER Required Valuation Indicated / Specified Yes No		Inspector 3 hrs for Runny

FOR DEPARTMENT USE ONLY			
Application.....	Fire District.....	Bldg. Line.....	Forced Draft Ventil.....
Construction.....	Zoning.....	Street widening.....	

(1)

REINFORCED CONCRETE

Barrels of Cement.....

Tons of Reinforcing Steel.....

(2)

The building referred to in this Application will be more than 100 feet from

.....Street

Sign here.....
(Owner or Authorized Agent)

(3) This building will be not less than 10 feet from any other building used for residential purposes on this lot.

Sign here.....
(Owner or Authorized Agent)

(4)

There will be an unobstructed passageway at least 10 feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign here.....
(Owner or Authorized Agent)

REMARKS:.....

Bldg. Form 2

2

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

REVOCABLE PERMIT

Application for the Erection of a Building
OF
CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:
Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:
First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.
Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.
Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

Lot No. .....

Forty-Ninth Street School

Tract .....

Location of Building 1921 W. 54th Place (House Number and Street)

Between what cross streets Main St. & San Pedro St.

Approved by City Engineer

Deputy

USE INK OR INDELIBLE PENCIL

1. Purpose of building Temporary School Classroom Tent (Store, Residence, Apartment House, Hotel or any other purpose) Families ..... Rooms .....
2. Owner (Print Name) Los Angeles City School District Phone .....
3. Owner's address 7th Floor, Chamber of Commerce Building .....
4. Certificated Architect A. S. Mibecker, Jr. State License No. B 976 Phone PR 1121
5. Licensed Engineer ..... State License No. ..... Phone Sta 102
6. Contractor Owners State License No. ..... Phone .....
7. Contractor's address .....
8. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and/or elevator equipment therein or thereon.) $ 250.00
9. State how many buildings NOW on lot and give use of each. Public Schools (Store, Residence, Apartment House, Hotel, or any other purpose)
10. Size of new building 16' x 24' No. Stories 1 Height to highest point 12½' Size lot ..... x .....
11. Type of soil Sandy Loam Foundation (Material) R.W. Depth in ground .....
12. Width of footing ..... Width of foundation Wall ..... Size of Redwood Sill 4" x 6" .....
13. Material Exterior Wall Wood & Canvas Size of studs: (Exterior) 2" x 4" (Interior Bearing) ..... x .....
14. Joists: First Floor 2" x 4" Second floor ..... x ..... Rafters 2" x 4" Material of Roof Canvass
15. Chimney (Material) None Size Flue ..... x ..... No. Inlets each flue ..... Depth footing in ground .....

I have carefully examined and read the above completed Application and know the same is true and correct, and hereby certify and agree that if a permit is issued all the provisions of the Building Ordinances and State Laws will be complied with, whether herein specified or not; I also certify that plans and specifications filed will conform to all the Building Ordinances and State Laws.

Sign here BOARD OF EDUCATION
(Owner or Authorized Agent)

Plans, Specifications and other data must be filed if required.

By C.J.A.

FOR DEPARTMENT USE ONLY			
PERMIT NO. 7500	Plans and Specifications checked	Zone	Fire District No.
	Corrections verified	Bldg. Line Ft.	Street Widening Ft.
PLANS Not Required	Plans, Specifications and Application approved and approved Per Plan Exam	Filed with	Application checked and approved JUN 6 1934 SPRINKLER Required Valuation Included Yes No Specified

Fee .....

Stamp here when Permit is issued

JUN -7 1934

Inspector 3 Yard for Fencing

FOR DEPARTMENT USE ONLY			
Application.....	Fire District.....	Bldg. Line.....	Forced Draft Ventil.....
Construction.....	Zoning.....	Street widening.....	

(1)

REINFORCED CONCRETE

Barrels of Cement.....

Tons of Reinforcing Steel.....

(2)

The building referred to in this Application will be more than 100 feet from

.....Street

Sign here.....
(Owner or Authorized Agent)

(3) This building will be not less than 10 feet from any other building used for residential purposes on this lot.

Sign here.....
(Owner or Authorized Agent)

(4)

There will be an unobstructed passageway at least 10 feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign here.....
(Owner or Authorized Agent)

REMARKS:.....

Bldg. Form 2

2

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

REVOCABLE PERMIT

Application for the Erection of a Building
OF
CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

Lot No. .....

Forty-Ninth Street School

Tract .....

Location of Building 4917 McKinley Ave (House Number, and Street)

Between what cross streets 49th St & 50th St

Approved by City Engineer

..... Deputy

USE INK OR INDELIBLE PENCIL

1. Purpose of building Temporary School Classroom TEnt (Store, Residence, Apartment House, Hotel or any other purpose) Families - Rooms 1
2. Owner (Print Name) Los Angeles City School District Phone .....
3. Owner's address 7th Floor, Chamber of Commerce Building
4. Certificated Architect A. S. Nibecker, Jr. State License No. B-976 Phone PR 1121
5. Licensed Engineer ..... State License No. ..... Phone .....
6. Contractor Owners State License No. ..... Phone .....
7. Contractor's address .....
8. VALUATION OF PROPOSED WORK {Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and/or elevator equipment therein or thereon.} $ 250.00
9. State how many buildings NOW on lot and give use of each. Public Schools (Store, Residence, Apartment House, Hotel, or any other purpose)
10. Size of new building 16' x 24' No. Stories 1 Height to highest point 12½' Size lot x
11. Type of soil Sandy Loam Foundation (Material) R.W. Depth in ground .....
12. Width of footing ..... Width of foundation Wall ..... Size of Redwood Sill 4" x 4"
13. Material Exterior Wall Wood & Canvas Size of studs: (Exterior) 2" x 4" (Interior Bearing) x
14. Joists: First Floor 2" x 4" Second floor x Rafters 2" x 4" Material of Roof Canvas
15. Chimney (Material) None Size Flue x No. Inlets each flue ..... Depth footing in ground .....

I have carefully examined and read the above completed Application and know the same is true and correct, and hereby certify and agree that if a permit is issued all the provisions of the Building Ordinances and State Laws will be complied with, whether herein specified or not; I also certify that plans and specifications filed will conform to all the Building Ordinances and State Laws.

Sign here ..... (Owner or Authorized Agent)

Plans, Specifications and other data must be filed if required.

By .....

PERMIT NO.	FOR DEPARTMENT USE ONLY			Fee .....
7501	Plans and Specifications checked	Zone	Fire District No.	Stamp here when Permit is issued
	Corrections verified	Bldg. Line Ft.	Street Widening Ft.	JUN -7 1934
PLANS	Plans, Specifications and Application rechecked and approved	Application checked and approved JUN 6 1934		
Rec'd	For Plans Set / Filed with	SPRINKLER Required Valuation Included Specified Yes—No		Inspector 3 Mill for Remarks

FOR DEPARTMENT USE ONLY			
Application.....	Fire District.....	Bldg. Line.....	Forced Draft Ventil.....
Construction.....	Zoning.....	Street widening.....	

(1)

REINFORCED CONCRETE

Barrels of Cement.....

Tons of Reinforcing Steel.....

(2)

The building referred to in this Application will be more than 100 feet from

.....Street

Sign here.....
(Owner or Authorized Agent)

(3) This building will be not less than 10 feet from any other building used for residential purposes on this lot.

Sign here.....
(Owner or Authorized Agent)

(4)

There will be an unobstructed passageway at least 10 feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign here.....
(Owner or Authorized Agent)

REMARKS:.....

Bldg. Form 2

2

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

REVOCABLE PERMIT

Application for the Erection of a Building
OF
CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

Lot No. .....

FORTY-NINTH STREET SCHOOL

Tract .....

Location of Building 4917 McKinley Avenue (House Number, and Street)

Between what cross streets 49th St. & 50th St.

Approved by City Engineer

..... Deputy

USE INK OR INDELIBLE PENCIL

1. Purpose of building Temporary School Classroom Tent (Store, Residence, Apartment House, Hotel or any other purpose) Families ..... Rooms 1
2. Owner (Print Name) Los Angeles City School District Phone .....
3. Owner's address 7th floor, Chamber of Commerce Building
4. Certificated Architect A. S. Nibecker, Jr. State License No. B 976 Phone PR 1121
5. Licensed Engineer ..... State License No. ..... Phone Sta. 162
6. Contractor Owners State License No. ..... Phone .....
7. Contractor's address .....
8. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and/or elevator equipment therein or thereon.) $250.00
9. State how many buildings NOW on lot and give use of each. Public Schools (Store, Residence, Apartment House, Hotel, or any other purpose)
10. Size of new building 16' x 24' No. Stories 1 Height to highest point 12½ Size lot ..... x .....
11. Type of soil Sandy Loam Foundation (Material) R.W. Depth in ground —
12. Width of footing — Width of foundation Wall — Size of Redwood Sill 4" x 4"
13. Material Exterior Wall Wood & Canvass Size of studs: (Exterior) 2" x 4" (Interior Bearing) ..... x .....
14. Joists: First Floor 2" x 4" Second floor — x — Rafters 2" x 4" Material of Roof Canvass
15. Chimney (Material) none Size Flue ..... x ..... No. Inlets each flue ..... Depth footing in ground .....

I have carefully examined and read the above completed Application and know the same is true and correct, and hereby certify and agree that if a permit is issued all the provisions of the Building Ordinances and State Laws will be complied with, whether herein specified or not; I also certify that plans and specifications filed will conform to all the Building Ordinances and State Laws.

Sign here BOARD OF EDUCATION (Owner or Authorized Agent)

Plans, Specifications and other data must be filed if required.

By [signature]

PERMIT NO.	FOR DEPARTMENT USE ONLY			Fee .....
7502	Plans and Specifications checked	Zone	Fire District No.	Stamp here when Permit is issued
	Corrections verified	Bldg. Line Ft.	Street Widening Ft.	JUN -7 1934
PLANS	Plans, Specifications and Application rechecked and approved [signature]	Application checked and approved [signature] JUN 6 1934 Clerk		
Rec'd.	For Plans for	Filed with	SPRINKLER Required Valuation Included Specified Yes No	Inspector 3 Will for Runny

FOR DEPARTMENT USE ONLY			
Application.....	Fire District.....	Bldg. Line.....	Forced Draft Ventil.....
Construction.....	Zoning.....	Street widening.....	

(1) REINFORCED CONCRETE

Barrels of Cement.....

Tons of Reinforcing Steel.....

(2) The building referred to in this Application will be more than 100 feet from

.....Street

Sign here.....
(Owner or Authorized Agent)

(3) This building will be not less than 10 feet from any other building used for residential purposes on this lot.

Sign here.....
(Owner or Authorized Agent)

(4) There will be an unobstructed passageway at least 10 feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign here.....
(Owner or Authorized Agent)

REMARKS:.....

Bldg. Form 8

2

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

Application for the Erection of a Building

OF

CLASS "D"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

Lot No. .....

49th STREET School

Tract (BLDG "B")

Location of Building 4917 Mc Kinley Avenue (House Number, and Street)

Between what cross streets 49th and 50th Sts.

Approved by City Engineer

Deputy

USE INK OR INDELIBLE PENCIL

1. Purpose of building Public School (Store, Residence, Apartment House, Hotel or any other purpose) Families — Rooms 8
2. Owner (Print Name) Los Angeles City School District Phone Pr. 1121.
3. Owner's address 7th Floor C/c Building Sto. 162.
4. Certificated Architect H. C. Dackbar State License No. ..... Phone .....
5. Licensed Engineer H. A. Nelson State License No. ..... Phone .....
6. Contractor Owners. State License No. ..... Phone .....
7. Contractor's address .....
8. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and/or elevator equipment therein or thereon.) $ 40,000.00 OK Inc
9. State how many buildings NOW on lot and give use of each. 4- Schools. (Store, Residence, Apartment House, Hotel, or any other purpose)
10. Size of new building 58' x 162' No. Stories 1 Height to highest point 30' Size lot 355' x 330'
11. Type of soil Sandy Loam. Foundation (Material) Concrete Depth in ground 2'-6"
12. Width of footing 1'-6" Width of foundation Wall 10" Size of Redwood Sill 2" x 6"
13. Material Exterior Wall Wood Stucco Size of studs: (Exterior) 2" x 6" (Interior Bearing) 2" x 4"
14. Joists: First Floor 2" x 16" Second floor — x — Rafters 2" x 6" Material of Roof Comp. Shingles
15. Chimney (Material) None Size Flue — x — No. Inlets each flue — Depth footing in ground —

I have carefully examined and read the above completed Application and know the same is true and correct, and hereby certify and agree that if a permit is issued all the provisions of the Building Ordinances and State Laws will be complied with, whether herein specified or not; I also certify that plans and specifications filed will conform to all the Building Ordinances and State Laws.

Sign here BOARD OF EDUCATION (Owner or Authorized Agent)

By Tinkell

Plans, Specifications and other data must be filed if required.

FOR DEPARTMENT USE ONLY

PERMIT NO. 4549	Plans and Specifications checked 12/27/34	Zone D	Fire District No. —
	Corrections verified 3/9/35	Bldg. Line 10 Ft.	Street Widening Ft.
PLANS Rec'd 3/20/35	Plans, Specifications and Application rechecked and approved. 3/20/35	Application checked and approved 3-20-35 Clerk.	
	For Plans Box —	Filed with —	SPRINKLER Required Specified Valuation Included Yes No

Fee 108.00

Stamp here when Permit is issued

MAR 21 1935

Inspector

FOR DEPARTMENT USE ONLY			
Application.....	Fire District.....	Bldg. Line.....	Forced Draft Ventil.....
Construction.....	Zoning.....	Street widening.....	

(1)
REINFORCED CONCRETE

Barrels of Cement.....250.....

Tons of Reinforcing Steel.....4½.....

(2)
The building referred to in this Application will be more than 100 feet from

.....Street

Sign here.....
(Owner or Authorized Agent)

(3) This building will be not less than 10 feet from any other building used for residential purposes on this lot.

Sign here.....
(Owner or Authorized Agent)

(4)
There will be an unobstructed passageway at least 10 feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign here.....
(Owner or Authorized Agent)

REMARKS:

PLAN CHECKING

RECEIPT No. 1791

VALUATION $ 110000 00

FEE PAID $ 125 00
TF

Bldg. Form 1

1

CITY OF LOS ANGELES

DEPARTMENT OF BUILDING AND SAFETY

BUILDING DIVISION

Application for the Erection of a Building

OF

CLASS "A", "B" OR "C"

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

Lot No. .....

49th STREET SCHOOL

Tract .....

Location of building 4917 McKinley Ave. (House Number, and Street)

Between what cross streets 49th and 50th Sts.

Approved by City Engineer

..... Deputy.

USE INK OR INDELIBLE PENCIL

1. Purpose of building School Auditorium (Store, Residence, Apartment House, Hotel, or any other purpose) Families – Rooms 4
2. Owner (Print Name) Los Angeles City School District Phone Pr. 1121
3. Owner's address 7th Floor c/c Building Ste. 166
4. Certificated Architect H. C. Dalcher State License No. B-704 Phone
5. Licensed Engineer H. A. Nelson State License No. 379 Phone
6. Contractor None State License No. Phone
7. Contractor's address
8. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and/or elevator equipment therein or thereon.) $ 28,000.00
9. State how many buildings NOW on lot and give use of each. 4 Schools (Store, Residence, Apartment House, Hotel or any other purpose)
10. Size of new building 46'8" x 88'0" No. Stories 1 Height to highest point 23'6"
11. Size of lot 330' x 355' Type of soil Sandy Loam
12. Foundation (Material) Concrete Depth in ground 3'6"
13. Material Exterior Walls Concrete Skeleton framework Concrete & Steel Trusses (Structural Steel, Reinforced Concrete)
14. Material of floors Concrete on Fill Roofing material Composition

I have carefully examined and read the above completed Application and know the same is true and correct and hereby certify and agree that if a permit is issued all the provisions of the Building Ordinances and State Laws will be complied with, whether herein specified or not; I also certify that plans and specifications filed will conform to all the Building Ordinances and State Laws.

Sign here BOARD OF EDUCATION (Owner or Authorized Agent)

By [signature]

Plans, Specifications and other data must be filed.

PERMIT NO.	FOR DEPARTMENT USE ONLY			Fee 79.00
13633	Plans and Specifications checked [signature]	Zone B	Fire District No. 700	Stamp here when Permit is issued
	Corrections verified [signature]	Bldg. Line 700 Ft.	Street Widening 700 Ft.	
PLANS	Plans, Specifications and Application recheck and approved [signature]	Application checked and approved [signature] 6-3-36 Clerk		
Rec'd 3/31/36	For Plans See / Filed with	SPRINKLER Required / Specified Valuation Included Yes—No		Inspector [signature]

201

FOR DEPARTMENT USE ONLY			
Application	Fire District	Bldg. Line	Forced Draft Ventil.
Construction	Zoning	Street widening	

(1)
REINFORCED CONCRETE

Barrels of Cement 475

Tons of Reinforcing Steel 80

(2)
The building referred to in this Application will be more than 100 feet from

.....Street

Sign here.....
(Owner or Authorized Agent)

(3) This building will be not less than 10 feet from any other building used for residential purposes on this lot.

Sign here.....
(Owner or Authorized Agent)

(4)
There will be an unobstructed passageway at least 10 feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign here.....
(Owner or Authorized Agent)

REMARKS:

PLAN CHECKING

RECEIPT NO. 6586

VALUATION $ 28000 00

FEE PAID $ 60 00

1

APPLICATION TO ERECT A NEW BUILDING AND FOR A CERTIFICATE OF OCCUPANCY

Form B-1-[illegible]

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

Lot No. A of Tract 2056
& 11 thru 16 McKinley Place Tract Block C
Tract (49th St. School)

Location of Building 4917 McKinley Ave (House Number and Street)

Between what cross streets 49th St. & 50th St.

Approved by City Engineer _____ Deputy

USE INK OR INDELIBLE PENCIL

1. Purpose of building Public School Emergency Classrooms (Store, Dwelling, Apartment House, Hotel or other purpose) Families 0 Rooms 1
2. Owner Los Angeles City School District (Print Name) Phone
3. Owner's address 1425 South San Pedro Street P. O. Los Angeles 54, Calif.
4. Certificated Architect F. R. C. Billerbeck State License No. B-1567 Phone RI 7-2481 STA 366
5. Licensed Engineer State License No. Phone
6. Contractor Job not started State License No. Phone
7. Contractor's address SCP
8. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and elevator equipment therein or thereon.) $ 5000.00
9. State how many buildings NOW on lot and give use of each. Schools (Store, Dwelling, Apartment House, Hotel or other purpose)
10. Size of new building 24 x 28 No. Stories 1 Height to highest point 16 Size lot [illegible]
11. Material Exterior Walls Stucco Type of Roofing Compo.
12. For Accessory Buildings and similar structures.
    (a) Footing: Width _____ Depth in Ground _____ Width of Wall _____
    (b) Size of Studs See Plans Material of Floor _____
    (c) Size of Floor Joists _____ x _____ Size of Rafters _____ x _____

I hereby certify that to the best of my knowledge and belief the above application is correct and that this building or construction work will comply with all laws, and that in the doing of the work authorized thereby, I will not employ any person in violation of the Labor Code of the State of California relating to Workmen's Compensation Insurance.

Sign here Board of Education (Owner or Authorized Agent)

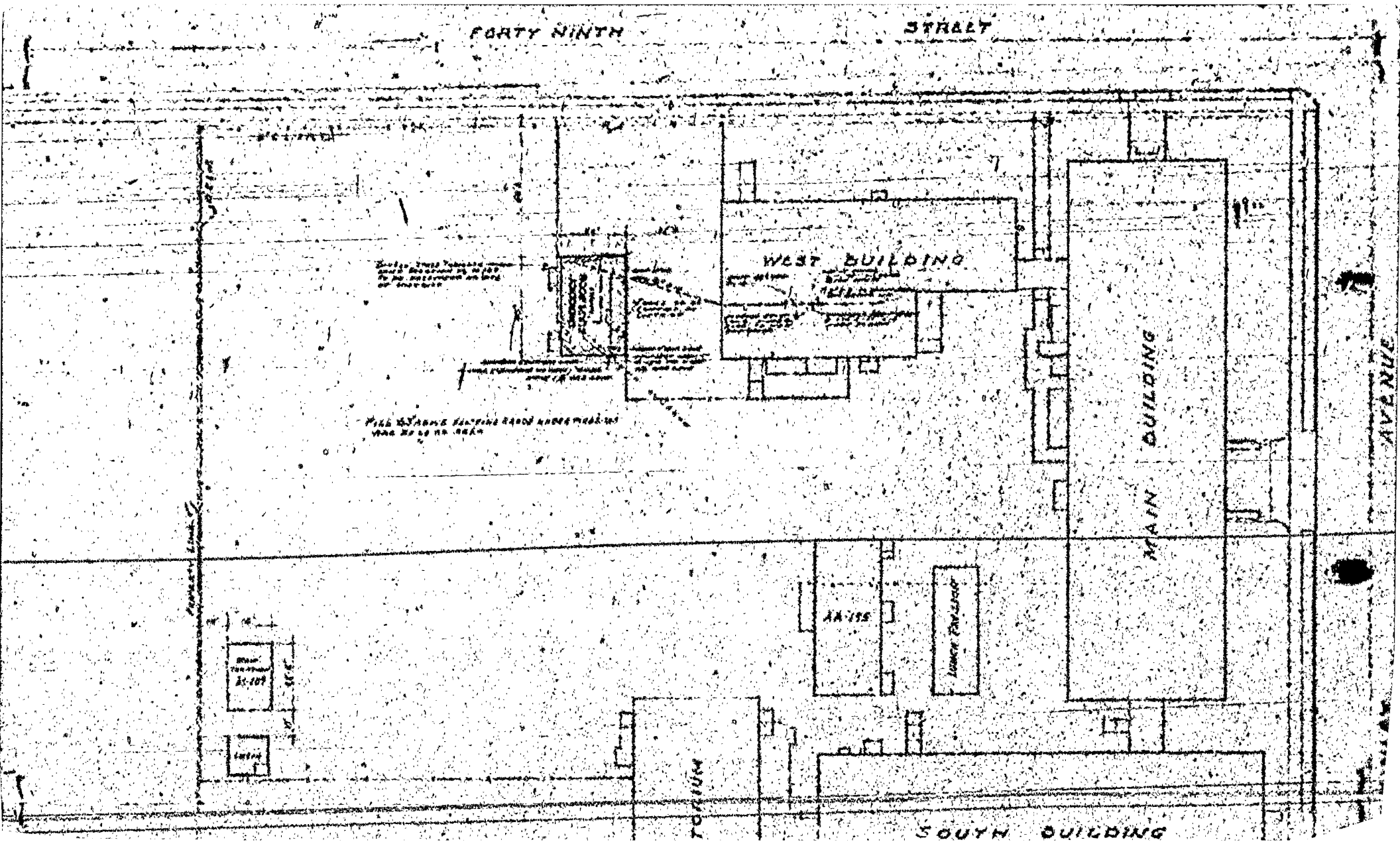
DISTRICT OFFICE _____ By [illegible]

FOR DEPARTMENT USE ONLY

PLAN CHECKING		REINFORCED CONCRETE	FEES	
Date JAN 10 [illegible]		Bbls. Cement		Bldg. Per 18.00
Receipt No. 2F85				Cert. of Occupancy
Valuation $ 5000.00		Tons of Reinforcing Steel		
Fee Paid $ 10.00				Total 18.00

TYPE	GROUP	Maximum No. Occupants	Inside Lot	Key Lot	Lot Size	Ft. rear alley / Ft. side alley	Clerk
V	S	35	Corner Lot	Corner Lot Keyed	3 acres		

PERMIT No.	Plans and specifications checked	Zone	Fire District No.	District Map No.
LA 2799	[illegible]	R-3	1	7-6 C
	Corrections Verified [illegible]	Bldg. Line _____ Ft.	Street Widening _____ Ft.	
	Plans, Specifications and Application rechecked and approved [illegible]	Application checked and approved [illegible] JAN 13 1950 Clerk		Stamp here when Permit is issued JAN 1[illegible]
PLANS Req'd.	For Plans See _____ Filed with _____	Continuous Inspection [illegible]	SPRINKLER Specified—Required Valuation Included Yes—No	Inspector [illegible]


FORTY NINTH
STREET
WEST BUILDING
MAIN BUILDING
AVENUE
SOUTH BUILDING

1 1125

APPLICATION TO ERECT A NEW BUILDING AND FOR A Certificate of Occupancy

Form B-1

CITY OF LOS ANGELES DEPARTMENT OF BUILDING AND SAFETY

BUILDING DIVISION

Lot No. 11 THRU 16 LOT A

BLOCK C

Tract McKINLEY PLACE 2056 49TH

Location of Building 4917 McKINLEY AVE (House Number and Street) — Approved by City Engineer

Between what cross streets? 49TH ST & 50TH ST. — Deputy.

USE INK OR INDELIBLE PFNCIL

1. Purpose of building School Building (Store, Dwelling, Apartment House, Hotel or other purpose) Families — Rooms 2
2. Owner Los Angeles City School District (Print Name) Phone RI 7-4481
3. Owner's Address 1425 South San Pedro Street P. O. Los Angeles 54, California
4. Certificated Architect A. S. Hibecker, Jr. State License No. B-976 Phone RI 7-4481
5. Licensed Engineeer — State License No. — Phone Sta. 3[illegible]
6. Contractor Job not awarded State License No. — Phone —
7. Contractor's Address Owners
8. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and elevator equipment therein or thereon.) $ 15,000 (IP)
9. State how many buildings NOW on lot and give use of each. School Buildings (Store, Dwelling, Apartment House, Hotel or other purpose)
10. Size of new building 24" x 76' No. Stories 1 Height to highest point 16' Size lot Average
11. Material Exterior Walls Wood Type of Roofing Composition
12. For Accessory Buildings and similar structures
    (a) Footing: Width Depth in Ground Width of Wall
    (b) Size of Studs See plans Material of Floor
    (c) Size of Floor Joists x Size of Rafters x

I hereby certify that to the best of my knowledge and belief the above application is correct and that this building or construction work will comply with all laws, and that in the doing of the work authorized thereby I will not employ any person in violation of the Labor Code of the State of California relating to Workmen's Compensation Insurance.

Sign here Board of Education (Owner or Authorized Agent)

DISTRICT OFFICE

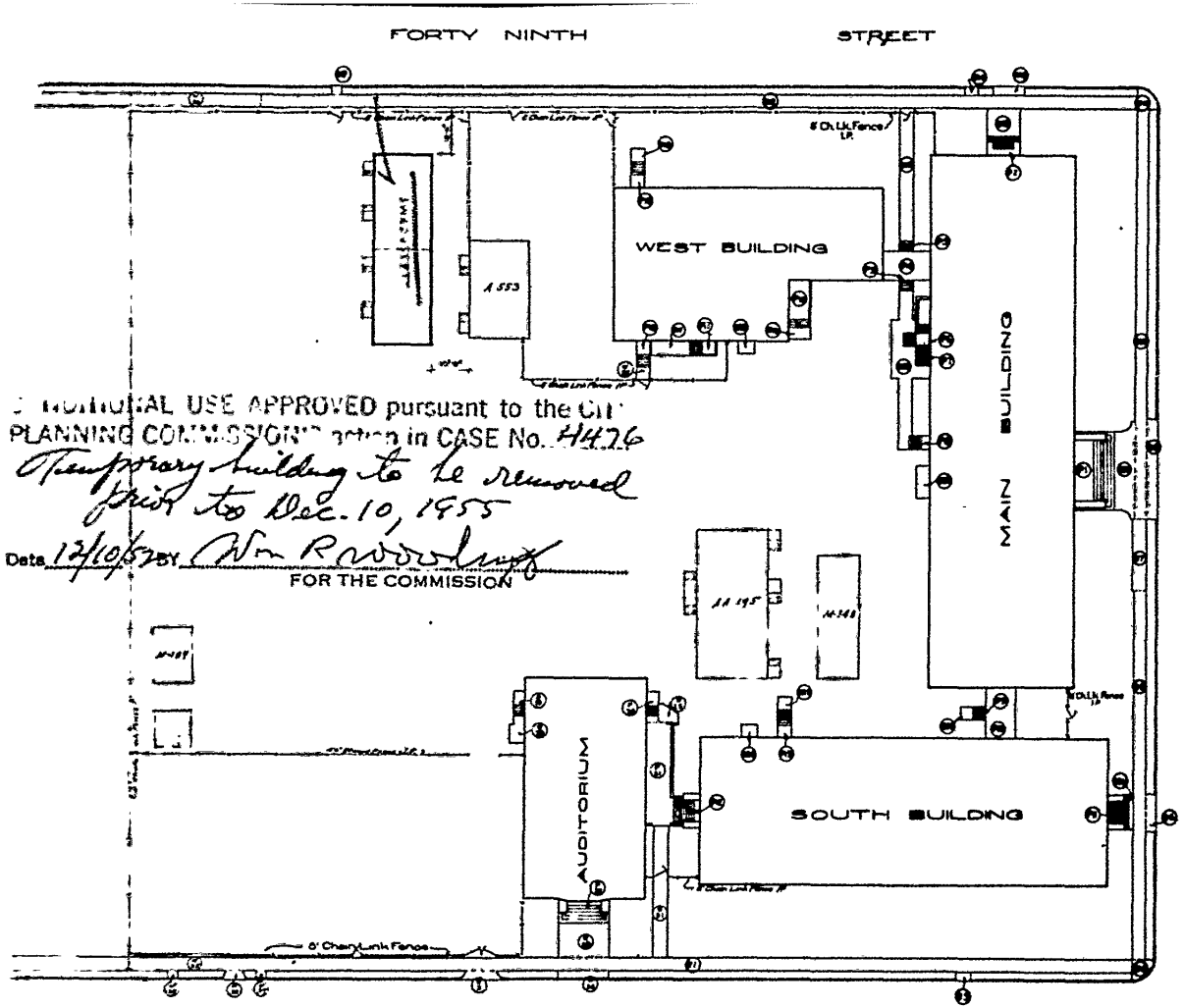
By [signature]

6 of 10 **FOR DEPARTMENT USE ONLY**

PLAN CHECKING					
Valuation $ 150,000	$			Investigation Fee $	
Fee $ 125.00	$			Bldg. Permit Fee $ 48.00	
				Total $ 48.00	
TYPE V	Maximum No. Occupants	Inside Lot ~~Corner Lot~~ Thru 2	Key Lot ~~Corner Lot Keyed~~	Lot Size 3 ACRES	Ft. rear alley / Ft. side alley — Clerk [signature]
GROUP S	Plans and Specifications checked Prober	Zone R-3	Fire District — No.	District Map No. 7260	
For Plans See	Correction Verified Prober	Bldg. Line — Ft.	Street Widening — Ft.	Application checked and approved DEC 10 1952 [signature] Clerk	
Filed with	Plans, Specifications and Application rechecked and approved. [signature]	Continuous Inspection [signature]	SPRINKLER Specified—Required Valuation included —Yes— —No	Inspector Johnson	

DO NOT WRITE BELOW THIS LINE

TYPE OF RECEIPT	DATE ISSUED	TRACER NO. (M)	RECEIPT NO.	CODE	FEE PAID
Plan Checking	DEC 17 '52		23762		
Supplemental Plan Checking					✓
~~Building Permit~~	DEC 17 '52		LA49097		—



CONDITIONAL USE APPROVED pursuant to the City PLANNING COMMISSION action in CASE No. 4476
Temporary building to be removed prior to Dec. 10, 1955
Date 12/10/52 By Wm R Woodward
FOR THE COMMISSION

AVENUE

MCKINLEY

Scale 1"=20'

FIFTIETH STREET

Bldg. Form 3

USE INK OR INDELIBLE PENCIL

3

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

Application to Alter, Repair, Move or Demolish

To the Board of Building and Safety Commissioners of the City of Los Angeles:
Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:
First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.
Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.
Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

REMOVED FROM	REMOVED TO
Lot	Lot WEST L. A. DISTRICT
Tract	Tract

Present location of building: 4917 McKinley Avenue (House Number and Street) (Bungalow A-71)
New location of building: 2925 Robertson Blvd. (House Number and Street)
Between what cross streets: Cattaraugus Street and Ivy Street

Approved by City Engineer.
Deputy.

1. Purpose of PRESENT building School Bungalow (Store, Residence, Apartment House, or any other purpose.) Families ... Rooms 1
2. Use of building AFTER alteration or moving same Families ... Rooms 1
3. Owner (Print Name) Los Angeles City School District Phone ...
4. Owner's address 7th Floor, Chamber of Commerce Bldg.
5. Certificated Architect Board of Education State License No. ... Phone HR 1121
6. Licensed Engineer ... State License No. ... Phone Sta. 160
7. Contractor Owners State License No. ... Phone ...
8. Contractor's address ...
9. VALUATION OF PROPOSED WORK (Including all Material, Labor, Finishing, Equipment and Appliances in Completed Building.) $75.00
10. State how many buildings NOW on lot and give use of each. 4 - Public Schools (Residence, Hotel, Apartment House, or any other purpose.)
11. Size of existing building 24' x 38' Number of stories high 1 Height to highest point 17'
12. Class of building D Material of existing walls wood Exterior framework wood (Wood or Steel)

Describe briefly and fully all proposed construction and work:

Move bungalow onto lot

To be set at least 20' from all other buildings on lot and property lines.

Temporary - one year only

Fill in Application on other Side and Sign Statement (OVER)

PERMIT NO.	FOR DEPARTMENT USE ONLY			Fee 10.00
1351	Plans and Specifications checked	Zone R-3	Fire District No. No	Stamp here when Permit is Issued
	Corrections verified	Set Back No Ft.	Street Widening No Ft.	RECEIVED JAN 22 1932 BUREAU OF ENGINEERING
PLANS Rec'd.	Plans, Specifications and Applications rechecked and approved	Application checked and approved 1/22/32 Clerk.		Inspector
	For Plans See / Filed with	SPRINKLER Required Valuation Included / Specified Yes—No		

TEMPORARY PERMIT

PLANS, SPECIFICATIONS, and other data must be filed if required.

NEW CONSTRUCTION

Size of Addition Move x ..... Size of Lot ..... x ..... Number of Stories when complete 1

Material of Foundation Rock Width of Footing ..... Depth of footing below ground .....

Width Foundation Wall ..... Size of Redwood Sill 2" x 6" Material Exterior Walls Wood

Size of Exterior Studs 2" x 6" Size of Interior Bearing Studs ..... x .....

Joists: First Floor ..... x ..... Second Floor ..... x ..... Rafters ..... x ..... Material of Roof .....

I have carefully examined and read both sides of this completed Application and know the same is true and correct and hereby certify and agree, if a Permit is issued, that all the provisions of the Building Ordinances and State Laws will be complied with whether herein specified or not; also certify that plans and specifications, if required to be filed, will conform to all of the provisions of the Building Ordinances and State laws.

Sign Here BOARD OF EDUCATION
(Owner or Authorized Agent)

By Kimball

FOR DEPARTMENT USE ONLY

Application	Fire District	Set back	Termite Inspection .....
Construction	Zoning	Street Widening	Forced Draft Ventil .....

(1)
REINFORCED CONCRETE

Barrels of Cement .....

Tons of Reinforcing Steel .....

(2)
The building (and, or, addition) referred to in this Application is, or will be when moved, more than 100 feet from

..... Street

Sign Here .....
(Owner or Authorized Agent)

(3)
No required windows will be obstructed.

Sign Here .....
Owner or Authorized Agent.

(4)
There will be an unobstructed passageway at least ten (10) feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign Here .....
(Owner or Authorized Agent)

REMARKS: .....

Bldg. Form 3

USE INK OR INDELIBLE PENCIL

3

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

Application to Alter, Repair, Move or Demolish

To the Board of Building and Safety Commissioners of the City of Los Angeles:
Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:
First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.
Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.
Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

REMOVED FROM	REMOVED TO
Lot.....	Lot WEST L. A. DISTRICT
.....	.....
Tract.....	Tract.....

Present location of building: 4917 McKinley Avenue (Bungalow A-72) (House Number and Street)

New location of building: 2925 Robertson Blvd. (House Number and Street)

Between what cross streets: Cattaraugus Street and Ivy Street

Approved by City Engineer.

..... Deputy.

1. Purpose of PRESENT building School Bungalow Families - Rooms 1
   Store, Residence, Apartment House, or any other purpose.
2. Use of building AFTER alteration or moving same Families - Rooms 1
3. Owner (Print Name) Los Angeles City School District Phone.....
4. Owner's address 7th Floor, Chamber of Commerce Bldg.
5. Certificated Architect Board of Education State License No..... Phone FR 1121
6. Licensed Engineer -- State License No..... Phone Sta. 160
7. Contractor Owners State License No..... Phone.....
8. Contractor's address.....
9. VALUATION OF PROPOSED WORK (Including all Material, Labor, Finishing, Equipment and Appliances in Completed Building.) $ 75.00
10. State how many buildings NOW on lot and give use of each. 4 - Public Schools
    Residence, Hotel, Apartment House, or any other purpose.
11. Size of existing building 24' x 38' Number of stories high 1 Height to highest point 17'
12. Class of building D Material of existing walls wood Exterior framework wood
    Wood or Steel

Describe briefly and fully all proposed construction and work:

Move bungalow onto lot

Also: To be set at least 20' from all other buildings on lot and property lines.

Temporary - one year only.

Fill in Application on other Side and Sign Statement (OVER)

PERMIT NO.	FOR DEPARTMENT USE ONLY			Fee 1.00
1355	Plans and Specifications checked	Zone R3	Fire District No. No	Stamp here when Permit is issued
	Corrections verified	Set Back No Ft.	Street Widening No Ft.	JAN 22 1932
PLANS	Plans, Specifications and Applications rechecked and approved	Application checked and approved 1/22/32 Clerk.		
Rec'd	For Plans See / Filed with	SPRINKLER Required / Valuation Included	Specified Yes—No	Inspector

REVOCABLE PERMIT

PLANS, SPECIFICATIONS, and other data must be filed if required.

NEW CONSTRUCTION

Size of Addition....MOVE....Size of Lot....--....x....--....Number of Stories when complete....1....

Material of Foundation..R.W.....Width of Footing....-....Depth of footing below ground....-....

Width Foundation Wall....--....Size of Redwood Sill....2"....x....6"....Material Exterior Walls....wood....

Size of Exterior Studs....2"....x....4"....Size of Interior Bearing Studs....--....x....--....

Joists: First Floor....--....x....--....Second Floor....--....Rafters....--....Material of Roof....--....

I have carefully examined and read both sides of this completed Application and know the same is true and correct and hereby certify and agree, if a Permit is issued, that all the provisions of the Building Ordinances and State Laws will be complied with whether herein specified or not; also certify that plans and specifications, if required to be filed, will conform to all of the provisions of the Building Ordinances and State laws.

Sign Here....BOARD OF EDUCATION....
(Owner or Authorized Agent)

By....Kimball....

FOR DEPARTMENT USE ONLY

Application....	Fire District....	Set back....	Termite Inspection....
Construction....	Zoning....	Street Widening....	Forced Draft Ventil....

(1) REINFORCED CONCRETE

Barrels of Cement.....

Tons of Reinforcing Steel.....

(2) The building (and, or, addition) referred to in this Application is, or will be when moved, more than 100 feet from

.....Street

Sign Here.....
(Owner or Authorized Agent)

(3) No required windows will be obstructed.

Sign Here .....
Owner or Authorized Agent.

(4) There will be an unobstructed passageway at least ten (10) feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign Here .....
(Owner or Authorized Agent)

REMARKS: .....

Bldg. Form 3

USE INK OR INDELIBLE PENCIL

CITY OF LOS ANGELES

DEPARTMENT OF BUILDING AND SAFETY

BUILDING DIVISION

Application to Alter, Repair, Move or Demolish

To the Board of Building and Safety Commissioners of the City of Los Angeles:

Application is hereby made to the Board of Building and Safety Commissioners of the City of Los Angeles, through the office of the Superintendent of Building, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

REMOVED FROM	REMOVED TO
Lot	Lot
49th St. School	39th St. School
Tract	Tract

Present location of building: 4917 Mc Kinley Ave. (S-114) (House Number and Street)

New location of building: 3875 - 54th Avenue. (House Number and Street)

Between what cross streets: N/W cor. 54th Ave and 39th St.

Approved by City Engineer.

Deputy.

1. Purpose of PRESENT building: School Sanitary Building. (Store, Residence, Apartment House, Hotel, or any other purpose) Families — Rooms 2
2. Use of building AFTER alteration or moving: Same. Families — Rooms 2
3. Owner (Print Name): Los Angeles City School District Phone
4. Owner's Address: 7th Floor "C" Bldg.
5. Certificated Architect: None. State License No. Phone
6. Licensed Engineer: None. State License No. Phone
7. Contractor: None. State License No. Phone
8. Contractor's Address:
9. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and/or elevator equipment therein or thereon.) $ 50.00
10. State how many buildings NOW on lot and give use of each: 4- Schools. (Residence, Hotel, Apartment House, or any other purpose)
11. Size of existing building 16' x 18' Number of stories high 1 Height to highest point 12'
12. Class of building D Material of existing walls Wood. Exterior framework Wood. (Wood or Steel)

Describe briefly and fully all proposed construction and work:

Move building onto lot and set up on 2x6" R.W. Mudsills and 2x4" underpinning.

Fill in Application on other Side and Sign Statement (OVER)

FOR DEPARTMENT USE ONLY

PERMIT NO. 4749

Plans and Specifications checked

Zone A-1 Fire District No.

Corrections verified

Bldg. Line 40 Ft. Street Widening Ft.

Plans, Specifications and Applications rechecked and approved

Application checked and approved

PLANS No's

For Plans See Filed with

SPRINKLER Required Valuation Included Specified Yes—No

Fee 1.00

Stamp here when Permit is issued

MAR -4 1936

MAR -4 1936

Inspector

PLANS, SPECIFICATIONS, and other data must be filed if required.

NEW CONSTRUCTION

Size of Addition Move ..... Size of Lot — x — ..... Number of Stories when complete 1 .....

Material of Foundation R. W. ..... Width of Footing — ..... Depth of footing below ground — .....

Width Foundation Wall — ..... Size of Redwood Sill 2" x 6" ..... Material Exterior Walls Wood .

Size of Exterior Studs 2" x 4" ..... Size of Interior Bearing Studs — x — .....

Joists: First Floor 2" x 6" ..... Second Floor — x — ..... Rafters — x — ..... Roofing Material Comp. .....

I have carefully examined and read both sides of this completed Application and know the same is true and correct and hereby certify and agree, if a Permit is issued, that all the provisions of the Building Ordinances and State Laws will be complied with whether herein specified or not; also certify that plans and specifications, if required to be filed, will conform to all of the provisions of the Building Ordinances and State laws.

Sign Here BOARD OF EDUCATION
(Owner or Authorized Agent)

By Kimball

FOR DEPARTMENT USE ONLY 2-28-26

Application	Fire District	Bldg. Line	OK. Moved Termite Inspection .....
Construction	Zoning	Street Widening	Forced Draft Ventil .....

(1) REINFORCED CONCRETE

Barrels of Cement .....

Tons of Reinforcing Steel .....

(2) The building (and, or, addition) referred to in this Application is, or will be when moved, more than 100 feet from

..... Street

Sign Here .....
(Owner or Authorized Agent)

(3) No required windows will be obstructed.

Sign Here .....
(Owner or Authorized Agent)

(4) There will be an unobstructed passageway at least ten (10) feet wide, extending from any dwelling on lot to a Public Street or Public Alley at least 10 feet in width.

Sign Here .....
(Owner or Authorized Agent)

REMARKS: .....

ALL WOOD AND LUMBER BELOW THE FIRST FLOOR BOARDS WILL BE TREATED AGAINST TERMITE INFESTATION AS REQUIRED BY SEC. 106 OF BUILDING ORDINANCE.

OWNER OR AUTHORIZED AGENT

BLDG. DEPT. FORM B

All applications must be filled out by Applicant

PLANS AND SPECIFICATIONS and other data must also be filed

WARD 6

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

3

Application to Alter, Repair or Demolish

To the Board of Public Works of the City of Los Angeles:

Application is hereby made to the Board of Public Works of the City of Los Angeles, through the office of the Chief Inspector of Buildings, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO ROOM No. 6 FIRST FLOOR — ASSESSOR PLEASE VERIFY	REMOVED FROM	REMOVED TO
	Lot 20 56 Block	Lot Block
	Tract	Tract
	Book 15 Page 1 F. B. Page	Book Page F. B. Page

O. K. City Assessor By Deputy

TAKE TO ROOM No. 34 THIRD FLOOR — ENGINEER PLEASE VERIFY

From No. Street

To No. 4460 So Kenton Ave Street

O. K. City Engineer By Deputy

(USE INK OR INDELIBLE PENCIL)

1. What Purpose is the present Building used for? School
2. Owner's name David Phone
3. Owner's address W. 30 Wilshire
4. Architect's name Phone
5. Contractor's name Phone
6. Contractor's address
7. ENTIRE COST OF PROPOSED WORK {Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, etc.} $ 500.00
8. Class of Present Building D No. of Rooms at present 18
9. No. of stories in height 2 Size of present building 74 x 120

STATE ON FOLLOWING LINES JUST WHAT YOU WANT TO DO.

Furnish 1 basement room for class Room

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Building Ordinances will be complied with, whether herein specified or not.

OVER

(Sign here) A P Town (Owner or Authorized Agent).

FOR DEPARTMENT USE ONLY

PERMIT No.	Plans and specifications checked and found to conform to Ordinances, State Laws, etc. (Use Ink)	Application checked and found O. K. (Use Rubber Stamp)	Stamp here when permit is issued
15199	Plan Examiner.	JUL 24 1914 C. W. Clerk	ISSUED JUL 24 1914

W. N. Thompson

FILL IN ALL BLANKS THAT APPLY TO WORK PROPOSED TO BE DONE, OR TO ASCERTAIN IF SAME CAN BE DONE.

10. Size of new addition.....x..... No. of Stories in height.....

11. Material of foundation.....Size footings.....Size wall.....Depth below ground.....

12. Size of Redwood Mudsills.....x..... Size of exterior studs.....x.....

13. Size of interior bearing studs.....x..... Size of interior non-bearing studs.....x.....

14. Size of first floor joist.....x..... Second floor joist.....x.....

15. State Number of Plumbing Fixtures to be installed..... 20 Number of gas outlets.....

16. State if there is a sewer or cesspool to be constructed on this lot? NO
(No cesspools allowed where there is a street sewer)

17. Plumbing and gas fitting contractor's name.....

I have carefully examined and read the above blank and know the same is true and correct, and that all provisions of the Building Ordinance will be complied with, whether herein specified or not.

(Sign here) F P Town
(Owner or Authorized Agent.)

BLDG. FORM 2

All Applications must be filled out by Applicant

#225,
49th. St. sch.

PLANS AND SPECIFICATIONS and other data must also be filed

BOARD OF PUBLIC WORKS

DEPARTMENT OF BUILDINGS

2 Application for the Erection of Frame Building

CLASS "D"

To the Board of Public Works of the City of Los Angeles:

Application is hereby made to the Board of Public Works of the City of Los Angeles, through the office of the Chief Inspector of Buildings, for a building permit in accordance with the description and for the purpose hereinafter set forth. This application is made subject to the following conditions, which are hereby agreed to by the undersigned applicant and which shall be deemed conditions entering into the exercise of the permit:

First: That the permit does not grant any right or privilege to erect any building or other structure therein described, or any portion thereof, upon any street, alley, or other public place or portion thereof.

Second: That the permit does not grant any right or privilege to use any building or other structure therein described, or any portion thereof, for any purpose that is, or may hereafter be prohibited by ordinance of the City of Los Angeles.

Third: That the granting of the permit does not affect or prejudice any claim of title to, or right of possession in, the property described in such permit.

TAKE TO ROOM No. 6 FIRST FLOOR CITY CLERK PLEASE VERIFY

Lot No. 1-10 Incl. Block "C"
(Description of Property)
McKinley Pl. M.P. 5-19

District No. 15 M. B. Page 5 F. B. Page

O. K. City Clerk By [signature] Deputy.

TAKE TO ROOM No. 405 SOUTH ANNEX ENGINEER PLEASE VERIFY

No. Los Angeles.
(Location of Job)
4917 McKinley Ave. Street

(USE INK OR INDELIBLE PENCIL)

O. K. City Engineer By [signature] Deputy.

1. Purpose of Building School No. of Rooms 1 No. of Families
2. Owner's name Bd. Education Phone Bdg. 4337.
3. Owner's address 1445 So. San Pedro St.
4. Architect's name same. Phone
5. Contractor's name Phone
6. Contractor's address
7. ENTIRE COST OF PROPOSED WORK {Including Plumbing, Gas Fitting, Sewers, Cesspools, Elevators, Painting, Finishing, etc.} $ 1900.00
8. Any other building on the lot? Yes How used? School.
9. Size of the proposed building 24' x 38' Height to highest point 17' feet
10. Number of stories in height 1 Character of ground hard
11. Material of foundation Mudsills Size footings — Size wall — Depth below ground —
12. Material of chimneys Tile Number of inlets to flues 1 Interior size of flues 6" x d
13. Give sizes of following materials: REDWOOD MUDSILLS 3" x 6" Girders 4" x 6"
EXTERIOR studs 2" x 4" INTERIOR BEARING studs — x — Interior Non-Bearing studs — x — Ceiling joists 2" x 4" Roof rafters 2" x 4" FIRST FLOOR JOISTS 2" x 6"
Second floor joists — x — Specify material of roof Composition.

I have carefully examined and read the above application and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

Bd. Education.

OVER

(Sign here) [signature]
(Owner or Authorized Agent.)

FOR DEPARTMENT USE ONLY

PERMIT NO.	Plans and specifications checked and found to conform to Ordinances, State Laws, etc.	Application checked and found O. K.	Status (not when permit is issued)
7045	[signature] Plan Examiner.	AUG 26 1919 Clerk.	AUG 26 1919 L.A. Bldg. Dep.

4 ~~PLANS~~ [signature] Thomas
C.

NOTE---Answer the Following Questions For Dwellings and Flats Only:---

STATE DWELLING HOUSE ACT

14. Are there any living rooms in basement?.....
15. What is least area of any living room?.....
16. What is the least width of any living room?.....
17. What is the minimum ceiling height? .....
18. Give least size of window courts.....

(A window court is the unoccupied area, in front of all windows, as required by the State Law, and such area must be entirely open and uncovered, and be at least 4 feet in width, except that the eaves or cornice may project into same not to exceed 8 inches. Such area must contain at least 36 sq. ft.)

19. Give maximum cornice projection into such court.....
20. Will windows in each room be equal to one-eighth (1/8) of floor area?.....
21. What is the minimum height of floor joists above ground?.....
22. Will entire space underneath building be enclosed?.....
23. Will removable ventilating screens be provided for space under building?.....
24. Will a toilet be provided for each family?.....
25. Give size of windows for toilets or bathrooms.....
26. Will all provisions of State Dwelling House Act be complied with?.....

I have carefully examined and read the above blank and know the same is true and correct, and that all provisions of the Ordinances and Laws governing Building Construction will be complied with, whether herein specified or not.

(Sign here) .....
(Owner or Authorized Agent.)

1

APPLICATION TO CONSTRUCT NEW BUILDING AND FOR CERTIFICATE OF OCCUPANCY

Form B-1

CITY OF LOS ANGELES — DEPT. OF BUILDING AND SAFETY

INSTRUCTIONS: 1. Applicant to Complete Numbered Items Only. 2. Plot Plan Required on Back of Original.

1. LEGAL LOT	BLK.	TRACT	DIST. MAP
JOB ADDRESS: 4917 McKinley Ave., L.A. 11		APPROVED	ZONE
2. BETWEEN CROSS STREETS: 49th Street AND 50th Street			FIRE DIST.
3. PURPOSE OF BUILDING: Classroom Bldg. at 49th Street			INSIDE KEY
4. OWNER: L.A.C.S.D.	PHONE: RI. 7-4411		COR. LOT REV. COR.
5. OWNER'S ADDRESS: 1425 So. San Pedro St.,	P.O.: L.A.	ZONE: 54	LOT SIZE
6. CERT. ARCH.: Kenneth N. Bergstrom	STATE LICENSE	PHONE: RI. 7-4411	
7. LIC. ENGR.: Edwin H. Stahl	STATE LICENSE	PHONE: RI. 7-4411	REAR ALLEY SIDE ALLEY
8. CONTRACTOR: Carter Mack Bldg Inc.	STATE LICENSE	PHONE: DA. 6-3821	BLDG. LINE
9. CONTRACTOR'S ADDRESS: 25100 So. Normandie Avenue, Harbor City	P.O.	ZONE	AFFIDAVITS
10. SIZE OF NEW BLDG. STORIES HEIGHT	NO. OF EXISTING BUILDINGS ON LOT AND USE		

1 4917 McKinley No Fee — DISTRICT OFFICE: LA

11. MATERAL EXT. WALLS: ☐ WOOD ☐ METAL ☐ CONC. BLOCK ☐ STUCCO ☐ BRICK ☐ CONCRETE	ROOF CONST. ☐ WOOD ☐ STEEL ☐ CONC. ☐ OTHER	ROOFING	SPRINKLERS REQ'D. SPECIFIED
12. VALUATION: TO INCLUDE ALL FIXED EQUIPMENT REQUIRED TO OPERATE AND USE PROPOSED BUILDING. 17,257.00 Total 298,276.00			BLDG. AREA
		VALUATION APPROVED	DWELL. UNITS
		APPLICATION CHECKED	PARKING SPACES
		PLANS CHECKED	GUEST ROOMS
		CORRECTIONS VERIFIED	FILE WITH
		PLANS APPROVED	CONT. INSP.
		APPLICATION APPROVED	INSPECTOR

Approval of driveway location must be obtained from the Department of Public Works before securing Building Permit.

I certify that in doing the work authorized hereby I will not employ any person in violation of the Labor Code of the State of California relating to workmen's compensation insurance.

SIGNED

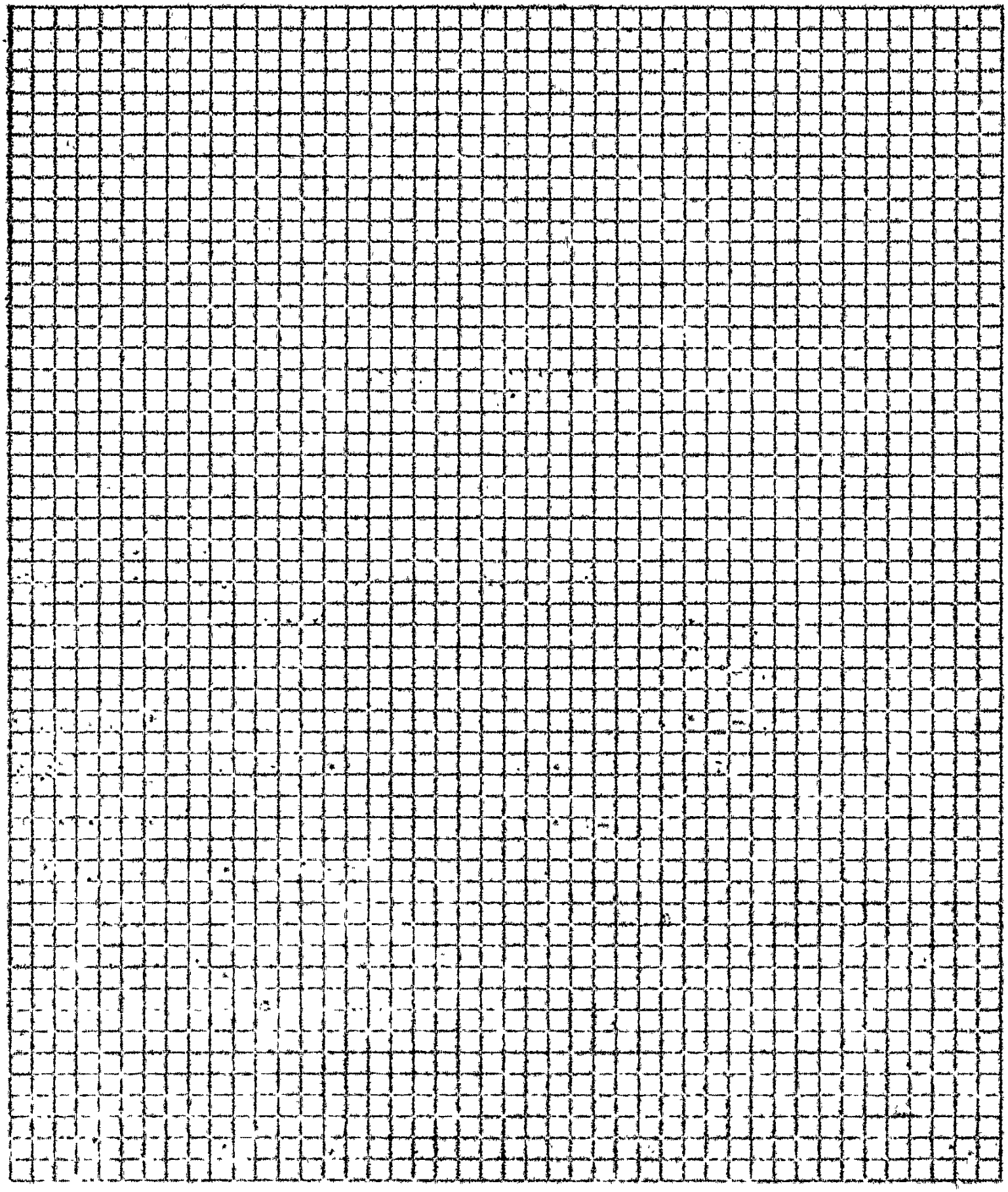
This Form When Properly Validated is a Permit to Do the Work Described.

TYPE	GROUP	MAX. OCC.	P.C.	S.P.C.	B.P.	I.F.	O.S.	C/O

VALIDATION — CASHIER'S USE ONLY — 10-24-60

LEGAL DESCRIPTION

ON PLOT PLAN SHOW ALL BUILDINGS ON LOT AND USE OF EACH



1

APPLICATION TO CONSTRUCT NEW BUILDING AND FOR CERTIFICATE OF OCCUPANCY

Form B-1

CITY OF LOS ANGELES — DEPT. OF BUILDING AND SAFETY

INSTRUCTIONS: 1. Applicant to Complete Numbered Items Only. 2. Plot Plan Required on Back of Original.

1. LEGAL LOT	BLK.	TRACT	DIST. MAP
JOB ADDRESS: 4917 McKinley Ave., L.A. 11		APPROVED	ZONE
2. BETWEEN CROSS STREETS: 49th Street AND 50th Street			FIRE DIST.
3. PURPOSE OF BUILDING: Classroom Bldg. at 49th Street			INSIDE KEY
4. OWNER: L.A.C.S.D.	PHONE: RI. 7-4411		COR. LOT REV. COR.
5. OWNER'S ADDRESS: 1425 So. San Pedro St.,	P.O. L.A.	ZONE 54	LOT SIZE
6. CERT. ARCH.: Kenneth N. Bergstrom	STATE LICENSE	PHONE RI. 7-4411	
7. LIC. ENGR.: Edwin H. Stahl	STATE LICENSE	PHONE RI. 7-4411	REAR ALLEY SIDE ALLEY
8. CONTRACTOR: Carter Mack Bldg Inc.	STATE LICENSE	PHONE DA. 6-3821	BLDG. LINE
9. CONTRACTOR'S ADDRESS: 25100 So. Normandie Avenue, Harbor City	P.O.	ZONE	AFFIDAVITS
10. SIZE OF NEW BLDG. STORIES HEIGHT	NO. OF EXISTING BUILDINGS ON LOT AND USE		

1 4917 McKinley No Fee — DISTRICT OFFICE LA

11. MATERIAL EXT. WALLS: ☐ WOOD ☐ METAL ☐ CONC. BLOCK ☐ STUCCO ☐ BRICK ☐ CONCRETE	ROOF CONST. ☐ WOOD ☐ STEEL ☐ CONC. ☐ OTHER	ROOFING	SPRINKLERS REQ'D. SPECIFIED
12. VALUATION: TO INCLUDE ALL FIXED EQUIPMENT REQUIRED TO OPERATE AND USE PROPOSED BUILDING. 17,257.00 Total 298,276.00			BLDG. AREA
	VALUATION APPROVED		DWELL. UNITS
	APPLICATION CHECKED		PARKING SPACES
	PLANS CHECKED		GUEST ROOMS
	CORRECTIONS VERIFIED		FILE WITH
	PLANS APPROVED		CONT. INSP.
	APPLICATION APPROVED		INSPECTOR

Approval of driveway location must be obtained from the Department of Public Works before securing Building Permit.

I certify that in doing the work authorized hereby I will not employ any person in violation of the Labor Code of the State of California relating to workmen's compensation insurance.

SIGNED

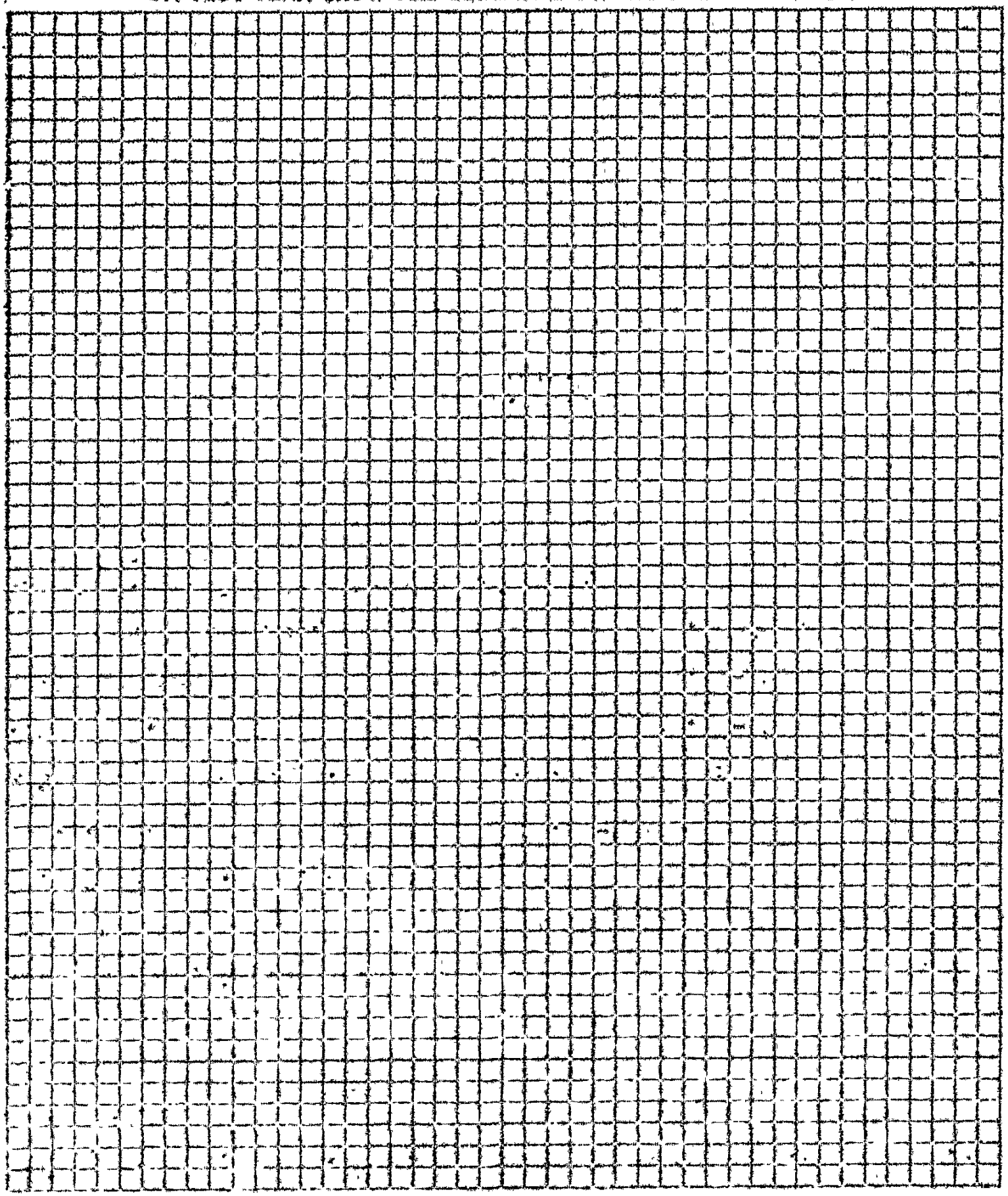
This Form When Properly Validated is a Permit to Do the Work Described.

TYPE	GROUP	MAX. OCC.	P.C.	S.P.C.	B.P.	I.F.	O.S.	C/O

VALIDATION — CASHIER'S USE ONLY — 10-24-60

LEGAL DESCRIPTION

ON PLOT PLAN SHOW ALL BUILDINGS ON LOT AND USE OF EACH



1

APPLICATION TO ERECT A NEW BUILDING AND FOR A CERTIFICATE OF OCCUPANCY

Form B-1-[illegible]

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY
BUILDING DIVISION

Lot No. "A" & Lots 11 to 16 incl. of Block "C" McKinley Place (49th St. School) Incinerator

Tract 2056

Location of Building 4917 McKinley Ave (House Number and Street)

Between what cross streets 49th St. & 50th St.

Approved by City Engineer [signature] Deputy.

USE INK OR INDELIBLE PENCIL

1. Purpose of building Public Elem. School Incinerator (Store, Dwelling, Apartment House, Hotel or other purpose) Families — Rooms —
2. Owner Los Angeles City School District (Print Name) Phone PR 1121 Sta. 386
3. Owner's address 1425 S. San Pedro St. P.O. L.A., 54
4. Certificated Architect — State License No. — Phone —
5. Licensed Engineer C. M. Herd State License No. 5382 Phone PR 1121
6. Contractor owners State License No. Phone Sta. 386
7. Contractor's address same
8. VALUATION OF PROPOSED WORK (Including all labor and material and all permanent lighting, heating, ventilating, water supply, plumbing, fire sprinkler, electrical wiring and elevator equipment therein or thereon.) $ 800.00
9. State how many buildings NOW on lot and give use of each. 4 - school buildings (Store, Dwelling, Apartment House, Hotel or other purpose)
10. Size of new building 7' x 7' No. Stories — Height to highest point 10'-1" Size lot Acreage x
11. Material Exterior Walls Brick Type of Roofing None
12. For Accessory Buildings and similar structures
    (a) Footing: Width STANDARD BRICK Depth in Ground Width of Wall
    (b) Size of Studs INCINERATOR Material of Floor
    (c) Size of Floor Joists x Size of Rafters x

I hereby certify that to the best of my knowledge and belief the above application is correct and that this building or construction work will comply with all laws, and that in the doing of the work authorized thereby I will not employ any person in violation of the Labor Code of the State of California relating to Workmen's Compensation Insurance.

Sign here Board of Education (Owner or Authorized Agent)

DISTRICT OFFICE

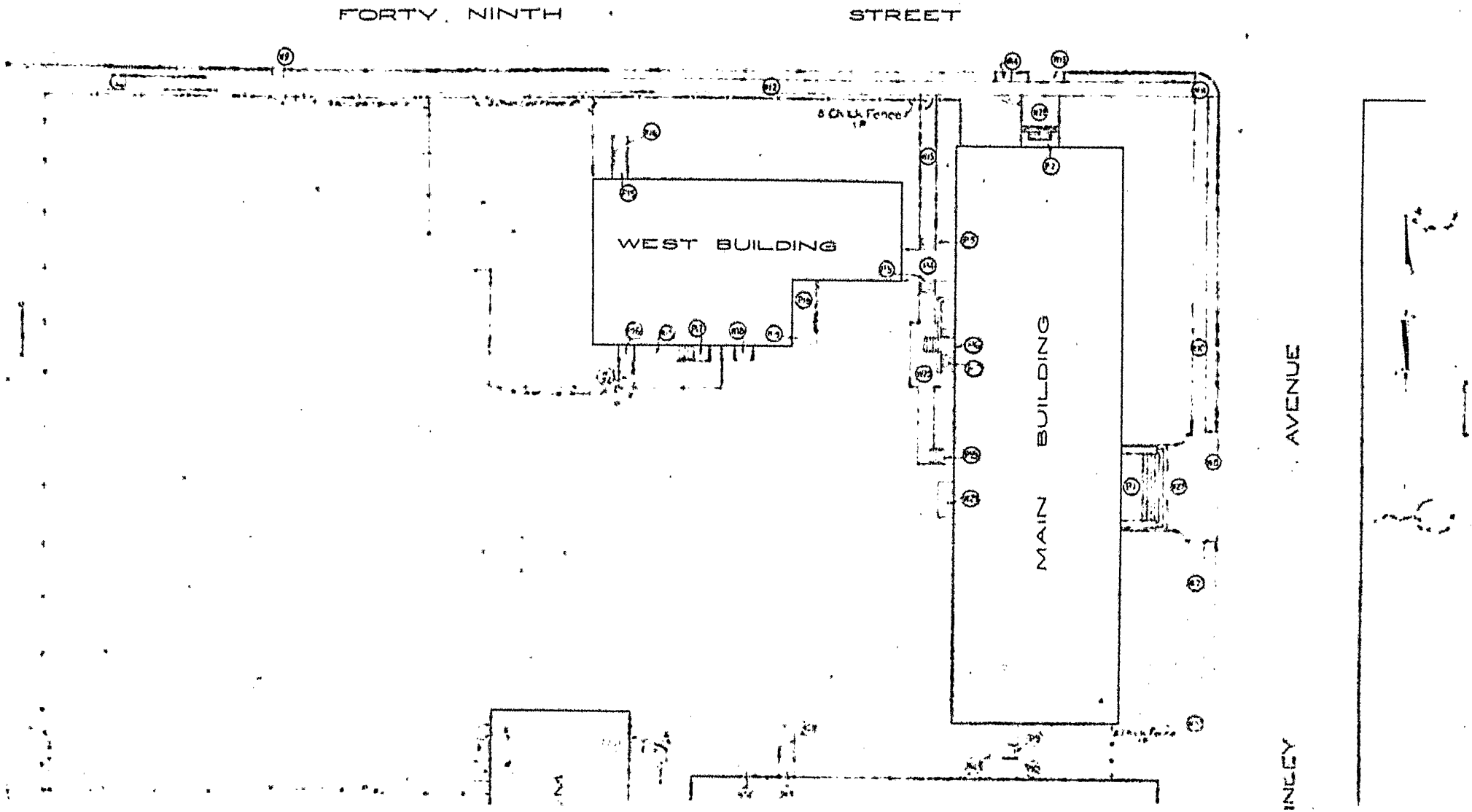
By [signature]

FOR DEPARTMENT USE ONLY

PLAN CHECKING		REINFORCED CONCRETE	FEES	
Date JAN-8 1948		Bbls. Cement		Bldg. Per
Receipt No. 3572		Tons of Reinforcing Steel		Cert. of Occupancy
Valuation $ 800				Total 5.00
Fee Paid $ 2.00				

TYPE	GROUP	Maximum No. Occupants	Inside Lot / Corner Lot	Key Lot / Corner Lot Keyed	Lot Size	Ft. rear alley / Ft. side alley	Clerk
IV	5		Thru		3.07 Acres		[signature]

PERMIT No.	Plans and Specifications checked	Zone	Fire District	District Map No.
LA 14346	[signature]	R-3	No. —	7260
	Corrections Required [signature]	Bldg. Line — Ft.	Street Widening — Ft.	
	Plans, Specifications and Application rechecked and approved [signature]	Application checked and approved 1/7/48 Rosson Clerk		JLN Stamp here when Permit is owned
PLANS Rec'd.	For Plans See [signature]	Filed with [signature]	Continuous Inspection [signature]	SPRINKLER Specified—Required Installation Included Yes — No —	Inspector [signature]


FORTY NINTH STREET
WEST BUILDING
MAIN BUILDING
AVENUE

Address of Building 4917 McKinley Ave.

Permit No. and Year LA 2799-1950

Certificate Issued April 24, 1950

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY

CERTIFICATE OF OCCUPANCY

NOTE: Any change of use or occupancy must be approved by the Department of Building and Safety.

This certifies that, so far as ascertained by or made known to the undersigned, the building at above address complies with the applicable requirements of the Municipal Code, as follows: Ch. 1, as to permitted uses; Ch. 9, Arts. 1, 3, 4, and 5; and with applicable requirements of State Housing Act,—for following occupancies:

1 Story, Type V, 24' x 38' School, 35 Occupants, S-1 Occupancy

Owner LA City School Dist.

Owner's Address 1425 So. San Pedro St.
Los Angeles 54, California

Form B-05a—20M—1-50 G. E. MORRIS, Superintendent of Building By U. Shimotsuka

Address of Buildingg 4917 McKinley Ave.

Permit NNo. and Yeanr LA 49097 - 1952

Certificante Issued September 10, 1953, 19.....

CITY OF LOS ANGELES
DEPARTMENT OF BUILDING AND SAFETY

CERTIFICATE OF OCCUPANCY

NOTE: Any change of use or occupancy Must be approved by the Department of Building and Safety.

This certififies that, so far as ascertained by or made known to the undersigned, the building at above address complies with the applicable requirements of the Municipal Code, as follows: Ch 1, as to permitted uses; Ch. 9, Arts. 1,1, 3, 4, and 5; and with applicable requirements of State Housing Act,—for following occupancies:

1 Story, Type V, 24' x 76' School Building,
2 Class Rooms, no Auditorium or stage,
E-1 Occupancy.

Owner Los Angeles City School District

Owner's Address 1425 S. San Pedro St.
Los Angeles 54, California

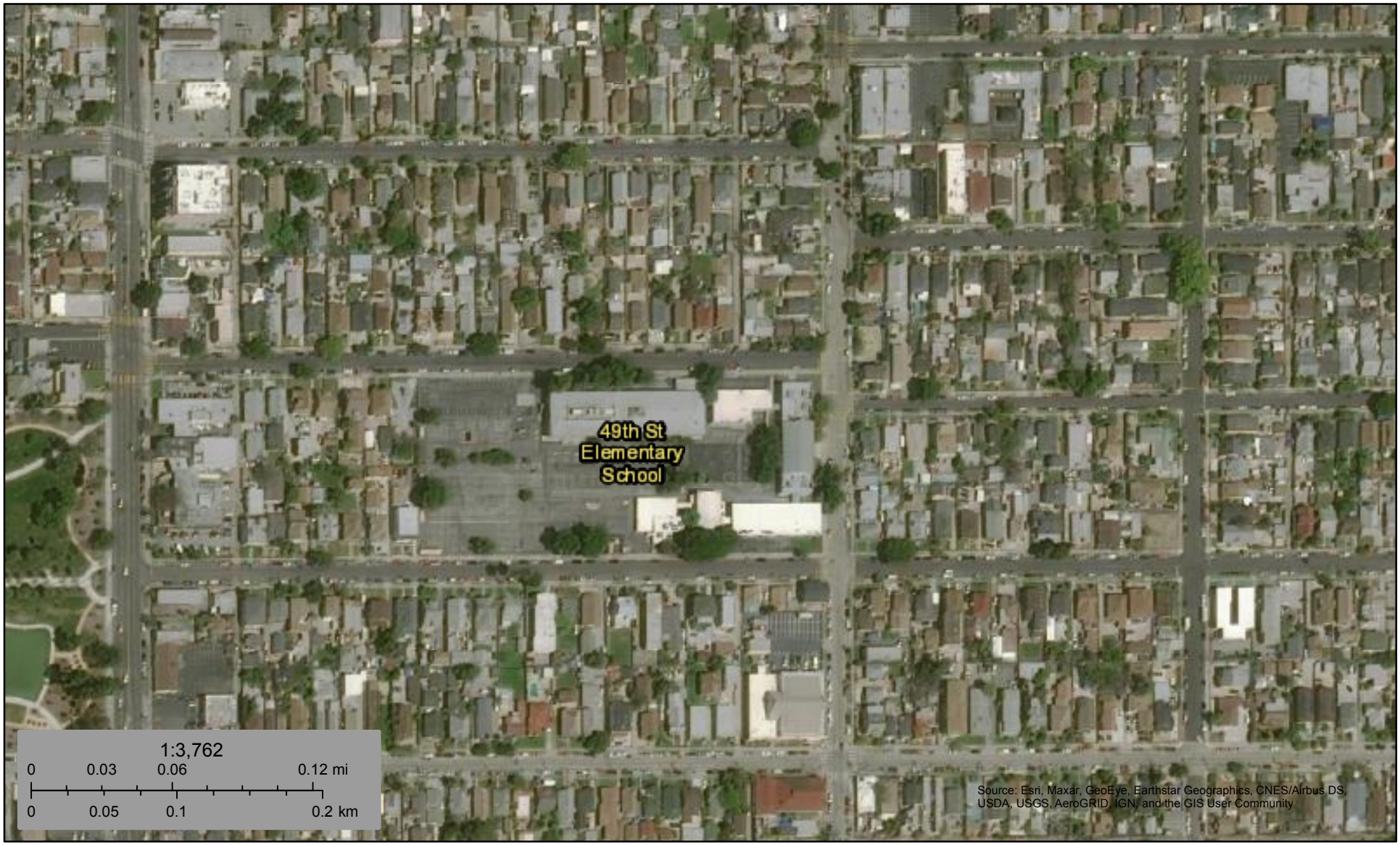
JOHN E. MILLER se

Form B-995a—10M—2-53 G. E. MORRIS, Superintendent of Building By.....

U.S. Fish and Wildlife Service

National Wetlands Inventory

Wetlands



January 14, 2022

Wetlands

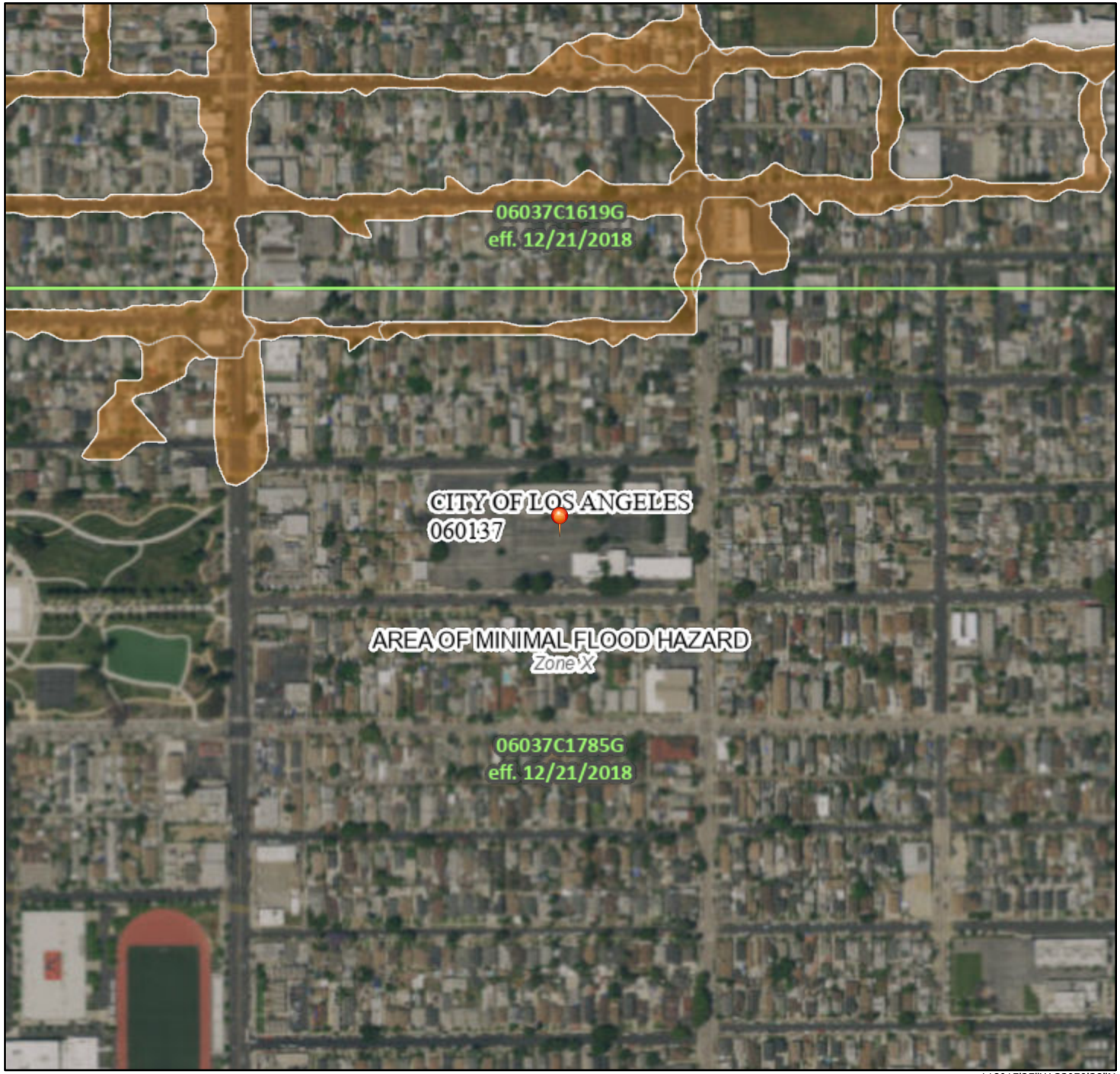
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Flood Hazard Layer FIRMette

FEMA

118°16'3"W 34°0'8"N



118°15'25"W 33°59'38"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/14/2022 at 11:28 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Detailed Facility Report

Facility Summary

LAUSD 49TH ST ELEM SCHOOL
750 E 49TH ST, LOS ANGELES, CA 90011

FRS (Facility Registry Service) ID: 110002780768
EPA Region: 09
Latitude: 33.99865
Longitude: -118.26302
Locational Data Source: FRS
Industries:
Indian Country: N

Enforcement and Compliance Summary

Statute	RCRA
Insp (5 Years)	–
Date of Last Inspection	–
Current Compliance Status	No Violation Identified
Qtrs with NC (of 12)	0
Qtrs with Significant Violation	0
Informal Enforcement Actions (5 years)	–
Formal Enforcement Actions (5 years)	–
Penalties from Formal Enforcement Actions (5 years)	–
EPA Cases (5 years)	–
Penalties from EPA Cases (5 years)	–

Regulatory Information

Clean Air Act (CAA): No Information
Clean Water Act (CWA): No Information
Resource Conservation and Recovery Act (RCRA): Active SQG (CAD982025165)
Safe Drinking Water Act (SDWA): No Information

Other Regulatory Reports

Air Emissions Inventory (EIS): No Information
Greenhouse Gas Emissions (eGGRT): No Information
Toxic Releases (TRI): No Information
Compliance and Emissions Data Reporting Interface (CEDRI): No Information

Known Data Problems

Facility/System Characteristics

Facility/System Characteristics

System	Statute	Identifier	Universe	Status	Areas	Permit Expiration Date	Indian Country	Latitude	Longitude
FRS		110002780768					N	33.99865	-118.26302
RCRAInfo	RCRA	CAD982025165	SQG	Active (H)			N	33.9986	-118.262652

Facility Address

System	Statute	Identifier	Facility Name	Facility Address	Facility County
FRS		110002780768	LAUSD 49TH ST ELEM SCHOOL	750 E 49TH ST, LOS ANGELES, CA 90011	Los Angeles County
RCRAInfo	RCRA	CAD982025165	LAUSD 49TH ST ELEM SCHOOL	750 E 49TH ST, LOS ANGELES, CA 90011	Los Angeles County

Facility SIC (Standard Industrial Classification) Codes

System	Identifier	SIC Code	SIC Description
No data records returned			

Facility NAICS (North American Industry Classification System) Codes

System	Identifier	NAICS Code	NAICS Description
No data records returned			

Facility Tribe Information

Reservation Name	Tribe Name	EPA Tribal ID	Distance to Tribe (miles)
No data records returned			

Enforcement and Compliance

Compliance Monitoring History (5 years)

Statute	Source ID	System	Activity Type	Compliance Monitoring Type	Lead Agency	Date	Finding (if applicable)
No data records returned							

Entries in italics are not counted in EPA compliance monitoring strategies or annual results.

Compliance Summary Data

Statute	Source ID	Current SNC (Significant Noncompliance)/HPV (High Priority Violation)	Current As Of	Qtrs with NC (Noncompliance) (of 12)	Data Last Refreshed
RCRA	CAD982025165	No	01/08/2022	0	01/07/2022

Three-Year Compliance History by Quarter

Statute	Program/Pollutant/Violation Type	QTR 1	QTR 2	QTR 3	QTR 4	QTR 5	QTR 6	QTR 7	QTR 8	QTR 9	QTR 10	QTR 11	QTR 12+
RCRA (Source ID: CAD982025165)		01/01-03/31/19	04/01-06/30/19	07/01-09/30/19	10/01-12/31/19	01/01-03/31/20	04/01-06/30/20	07/01-09/30/20	10/01-12/31/20	01/01-03/31/21	04/01-06/30/21	07/01-09/30/21	10/01-12/31/21
	Facility-Level Status	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified	No Violation Identified

Informal Enforcement Actions (5 Years)

Statute	System	Source ID	Type of Action	Lead Agency	Date
No data records returned					

Entries in italics are not counted as "informal enforcement actions" in EPA policies pertaining to enforcement response tools.

Formal Enforcement Actions (5 Years)

Statute	System	Law/Section	Source ID	Action Type	Case No.	Lead Agency	Case Name	Issued/Filed Date	Settlements/Actions	Settlement/Action Date	Federal Penalty Assessed	State/Local Penalty Assessed	Penalty Amount Collected	SEP Cost	Comp Action Cost
No data records returned															

Environmental Conditions

Watershed(s)

12-Digit WBD (Watershed Boundary Dataset) HUC (RAD (Reach Address Database))	WBD (Watershed Boundary Dataset) Subwatershed Name (RAD (Reach Address Database))	State Water Body Name (ICIS (Integrated Compliance Information System))	Beach Closures Within Last Year	Beach Closures Within Last Two Years	Pollutants Potentially Related to Impairment	Watershed with ESA (Endangered Species Act)-listed Aquatic Species?
No data records returned						

Assessed Waters From Latest State Submission (ATTAINS)

State	Report Cycle	Assessment Unit ID	Assessment Unit Name	Water Condition	Cause Groups Impaired	Drinking Water Use	Aquatic Life	Fish Consumption Use	Recreation Use	Other Use
No data records returned										

Air Quality Nonattainment Areas

Pollutant	Within Nonattainment Status Area?	Nonattainment Status Applicable Standard(s)	Within Maintenance Status Area?	Maintenance Status Applicable Standard(s)
Ozone	Yes	1-Hour Ozone (1979); 8-Hour Ozone (1997); 8-Hour Ozone (2008); 8-Hour Ozone (2015)	No	
Lead	Yes	Lead (2008)	No	
Particulate Matter	Yes	PM-2.5 (1997); PM-2.5 (2006); PM-2.5 (2012)	Yes	PM-10 (1987)
Carbon Monoxide	No		Yes	Carbon Monoxide (1971)
Sulfur Dioxide	No		No	

Pollutants

Toxics Release Inventory History of Reported Chemicals Released in Pounds per Year at Site

TRI Facility ID	Year	Total Air Emissions	Surface Water Discharges	Off-Site Transfers to POTWs (Publicly Owned Treatment Works)	Underground Injections	Releases to Land	Total On-site Releases	Total Off-site Transfers
No data records returned								

Toxics Release Inventory Total Releases and Transfers in Pounds by Chemical and Year

Chemical Name
No data records returned

Community

EJSCREEN EJ Indexes

Eleven primary environmental justice (EJ) indexes of EJSCREEN, EPA's screening tool for EJ concerns. EPA uses these indexes to identify geographic areas that may warrant further consideration or analysis for potential EJ concerns. The index values below are for the Census block group in which the facility is located. Note that use of these indexes does not designate an area as an "EJ community" or "EJ facility." EJSCREEN provides screening level indicators, not a determination of the existence or absence of EJ concerns. For more information, see the EJSCREEN home page.

Census Block Group EJ Indexes (percentile)	
Particulate Matter (PM 2.5)	98.8
Ozone	97.9
NATA Diesel PM	98.4
NATA Air Toxics Cancer Risk	98.5
NATA Respiratory Hazard Index (HI)	98.8
Traffic Proximity	97.7
Lead Paint Indicator	99.8
National Priority List (NPL) Site Proximity	95
Risk Management Plan (RMP) Site Proximity	99.6
Hazardous Waste Proximity	98.6
Wastewater Discharge Proximity	73.4

Number of EJ Indexes Above 80th Percentile
10

View EJSCREEN Report

Demographic Profile of Surrounding Area (1 Mile)

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2010 U.S. Census and 2014 - 2018 American Community Survey (ACS) 5-year Summary and are accurate to the extent that the facility latitude and longitude listed below are correct. EPA's spatial processing methodology considers the overlap between the selected radii and the census blocks (for U.S. Census demographics) and census block groups (for ACS demographics) in determining the demographics surrounding the facility. For more detail about this methodology, see the DFR Data Dictionary.

General Statistics	
Total Persons (U.S. Census)	73,983
Population Density	23,646/sq.mi.
Percent People of Color	99%
Households in Area	17,371
Housing Units in Area	17,072
Total Persons (ACS (American Community Survey))	76,108
Households on Public Assistance	1,596
Persons With Low Income	52,039
Percent With Low Income	69%

Geography	
Radius of Selected Area	1 mi.
Center Latitude	33.99865
Center Longitude	-118.26302
Land Area	100%
Water Area	0%

Income Breakdown - Households (%)	
Less than $15,000	2,818 (16.22%)
$15,000 - $25,000	3,136 (18.05%)

Age Breakdown - Persons (%)	
Children 5 years and younger	7,690 (10%)
Minors 17 years and younger	25,913 (35%)
Adults 18 years and older	48,070 (65%)
Seniors 65 years and older	3,241 (4%)

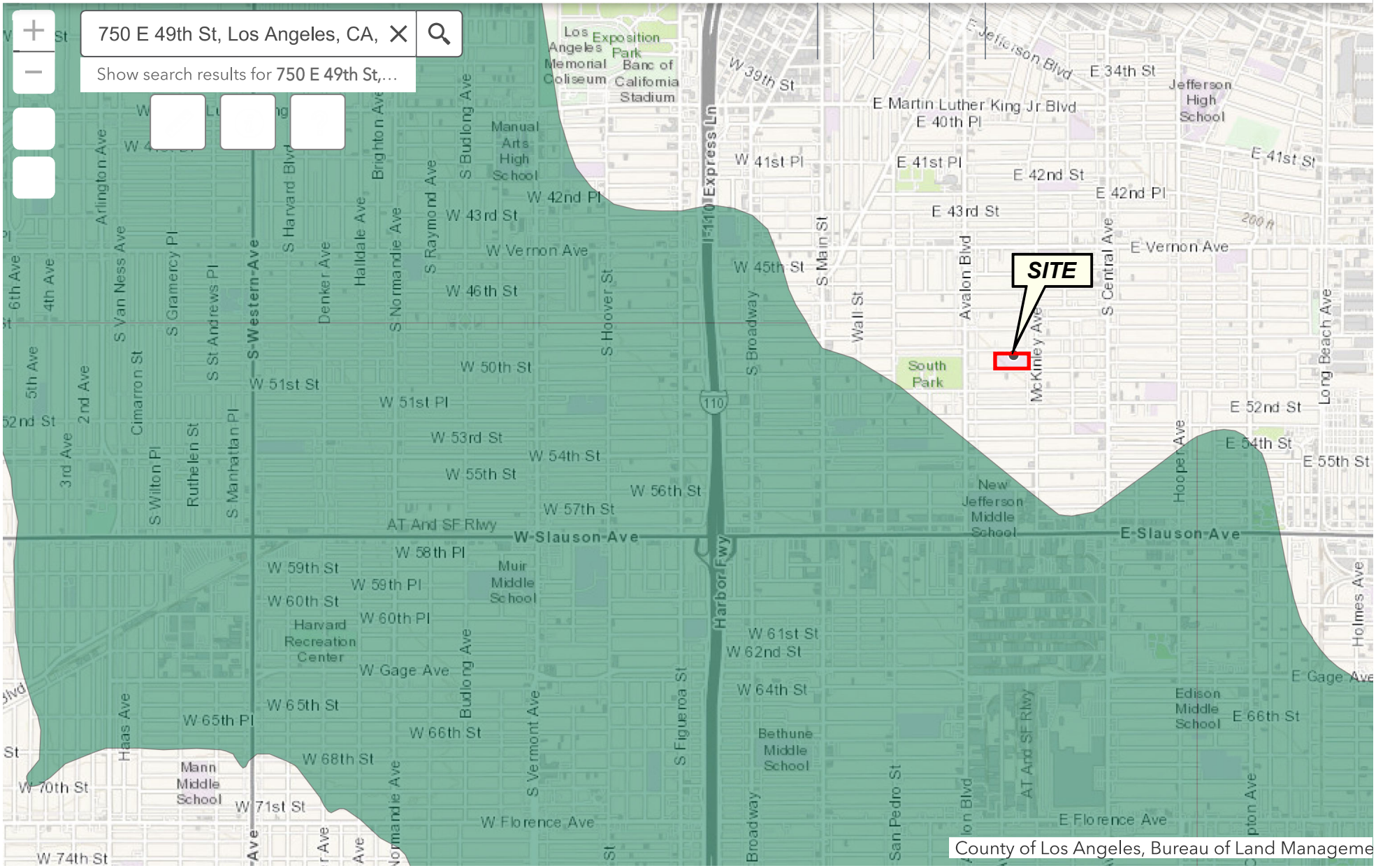
Race Breakdown - Persons (%)	
White	24,570 (33%)
African-American	8,758 (12%)
Hispanic-Origin	64,460 (87%)
Asian/Pacific Islander	276 (0%)
American Indian	841 (1%)
Other/Multiracial	39,539 (53%)

Education Level (Persons 25 & older) - Persons (%)	
Less than 9th Grade	15,638 (37.37%)
9th through 12th Grade	8,717 (20.83%)
High School Diploma	9,250 (22.11%)
Some College/2-year	6,232 (14.89%)
B.S./B.A. (Bachelor of Science/Bachelor of Arts) or More	2,009 (4.8%)

Income Breakdown - Households (%)	
$25,000 - $50,000	5,464 (31.45%)
$50,000 - $75,000	2,787 (16.04%)
Greater than $75,000	3,167 (18.23%)

Earthquake Zones of Required Investigation

CGS Homepage



October 15, 2007
Project No. 2007-1299.1
Via E-mail

Ms. Prudence Boczarski-Daniel
Los Angeles Unified School District
Office of Environmental Health & Safety
1055 West 7th Street, 10th Floor
Los Angeles, California 90017

Re: Soil Certification Report, LAUSD 49th Street Elementary School, 750 East 49th Street, Los Angeles, California 90011

Dear Ms. Boczarski-Daniel:

Lindmark Engineering (LE) has prepared this report to summarize the results of soil characterization including stockpiled soil sampling and laboratory analysis at the referenced site. The work was conducted in accordance with LE's *Proposal for Stockpiled Soil Characterization* dated August 17, 2007, and the Los Angeles Unified School District's (LAUSD) *Environmental Import/Export Materials Testing Section 01440* dated January 31, 2006. This *Soil Certification Report* is based on the LAUSD's requirements for sampling, testing, and certification of imported or exported soil materials for school sites.

Background

During construction at the 49th Street Elementary School, approximately 5 cubic yards of soil and/or base material was excavated and stockpiled by an LAUSD contractor to prepare the surface for new paving. The excavated and stockpiled soil was temporarily stored on the school property. Prior to reuse of the excavated material at a school site or transportation to an off-site disposal facility, laboratory analysis is required to determine any hazardous characteristics. The report herein summarizes the procedures for sampling and analysis of the stockpiled soil, as well as LE's findings, conclusions, and recommendations.

Soil Sampling

On September 10, 2007, LE collected one soil sample from the stockpile temporarily stored on-site. LE collected a composite grab sample from three to four locations and approximately 1 to 2 feet below the surface of the stockpiled soil. The composite sample was stored in 8-ounce glass jars and capped with Teflon-lined lids.

The containers were labeled with the sample identification number, stored on ice at 4°C, and transported immediately to a state-certified laboratory. The sample was recorded on a chain-of-custody record identifying the sampler, date, time, couriers used, responsible laboratory personnel, and requested analyses. Details of the soil stockpile and soil sample location are shown on Figure 1, Attachment A.

Chemical Analysis

The soil sample retained for chemical analysis was submitted to American Scientific Laboratories, LLC, a state-certified laboratory, and analyzed for total petroleum hydrocarbons as gasoline, diesel, and oil (TPH[g], TPH[d], TPH[o]), volatile organic compounds (VOCs), semi-volatile organic compounds

(SVOCs), polychlorinated biphenyls (PCBs), organochlorine pesticides (OCPs), organophosphorous compounds, chlorinated herbicides, California Code of Regulations Title 22, California Assessment Manual (CAM) metals, arsenic, thallium, and hexavalent chromium.

The table below summarizes the sampling and laboratory analysis schedule for the stockpile sample. See Table 1, Attachment B, for a summary of laboratory analytical data and Attachment C for a copy of the laboratory report and chain-of-custody record.

Sampling Schedule for Laboratory Analysis of Stockpiled Soil

Location	*Contaminant(s) of Concern*	*Laboratory Analysis for Soil Sample*	*Number of Analyses*
Stockpile	TPH(g)	EPA Method 8260B	1 each per sample
	TPH(d) & TPH(o)	EPA Method 8015B	
	VOCs	EPA Method 8260B	
	SVOCs	EPA Method 8270C	
	Organochlorine pesticides	EPA Method 8081A	
	PCBs	EPA Method 8082	
	Organophosphorus compounds	EPA Method 8141A	
	Chlorinated herbicides	EPA Method 8151A	
	Title 22 CAM metals	EPA Method 6010B/7471A	
	Hexavalent chromium	EPA Method 7199	
	Arsenic and Thallium	EPA Method 6020B	

Findings and Conclusions

- Approximately 5 cubic yards of soil and/or base material was excavated and temporarily stockpiled on the school property by an LAUSD contractor.

- Metals analysis identified the presence of 14 metals in the soil sample at concentrations above laboratory practical quantitation limits (PQLs). Two additional metals were identified as an estimated value above the laboratory method detection limit (MDL) and below the PQL. Arsenic was detected at a concentration of 3.07 milligrams per kilogram [mg/kg] by EPA Method 6010B, and 2.4 mg/kg by EPA Method 6020. No metal concentrations exceeded either the DTSC screening level or the EPA residential Preliminary Remediation Goal (PRG).

- Concentrations of the OCPs gamma- and alpha-chlordane (7.04 and 5.01 µg/kg, respectively), dichloro-diphenyl-dichloroethylene (DDE, 7.84 µg/kg), and 4,4'-(2,2,2-trichloroethane-1,1-diyl)bis(chlorobenzene) (DDT, 14.4 µg/kg) were detected in the sample well below the screening values based on the California Human Health Screening Levels (CHHSLs; Cal/EPA, 2006) for OCPs. No other OCPs with concentrations exceeding the CHHSLs were detected at or above the PQLs.

- No TPH compounds, VOCs, SVOCs, PCBs, organophosphorus compounds, or chlorinated herbicides were detected at or above PQLs.

- Based on the laboratory analytical results of the soil sample collected from the stockpiled soil, no elevated concentrations of compounds tested were detected. However, based on the LAUSD guidelines, the soil is not eligible for re-use at any LAUSD school site with OCP concentrations above the laboratory detection limits.

Recommendations

Based on the findings and conclusions, LE recommends disposing the soil at a local landfill or at a licensed recycling facility. However, a local landfill may not accept soil with OCP concentrations.

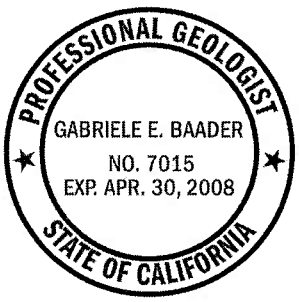
Statement of Limitations

The services described in this report were performed in a manner consistent with Lindmark Engineering's agreement with the client and in accordance with generally accepted professional consulting principles and practices. Opinions and recommendations contained in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames, and project parameters indicated. Lindmark Engineering cannot be responsible for the impact of any changes in environmental standards, practices, or regulations after performance of services. Any use of this report by a third party is expressly prohibited without a written, specific authorization from the client and Lindmark Engineering. Such authorization will require a signed waiver and release agreement. This report is issued with the understanding that the client, the property owner, or its representative is responsible for ensuring that the information, conclusions and recommendations contained herein are brought to the attention of the appropriate regulatory agencies, as required.

Please call us at 562-423-0600 if you have any questions.

Very truly yours,





Gabriele E. Baader, PG
Project Manager
Professional Geologist
Registered Environmental Assessor No. REA-06248





Ulf M. Lindmark, PE, BCEE
President
Registered Civil Engineer
Registered Environmental Assessor No. REA I-00195
Certified Hazardous Materials Manager No. 2725

GEB:geb&ccdm\R1

Attachments:
- A Figure 1
- B Table 1
- C Laboratory Report and Chain-of-Custody Record

cc: Addressee (PDF)
Gilbert Garcia, LAUSD (PDF)

References

1. Cal/EPA, *Interim Guidance, Evaluation of School Sites with Potential Soil Contamination As A Result of Lead From Lead-Based Paint, Organochlorine Pesticides From Termiticides, and Polychlorinated Biphenyls*

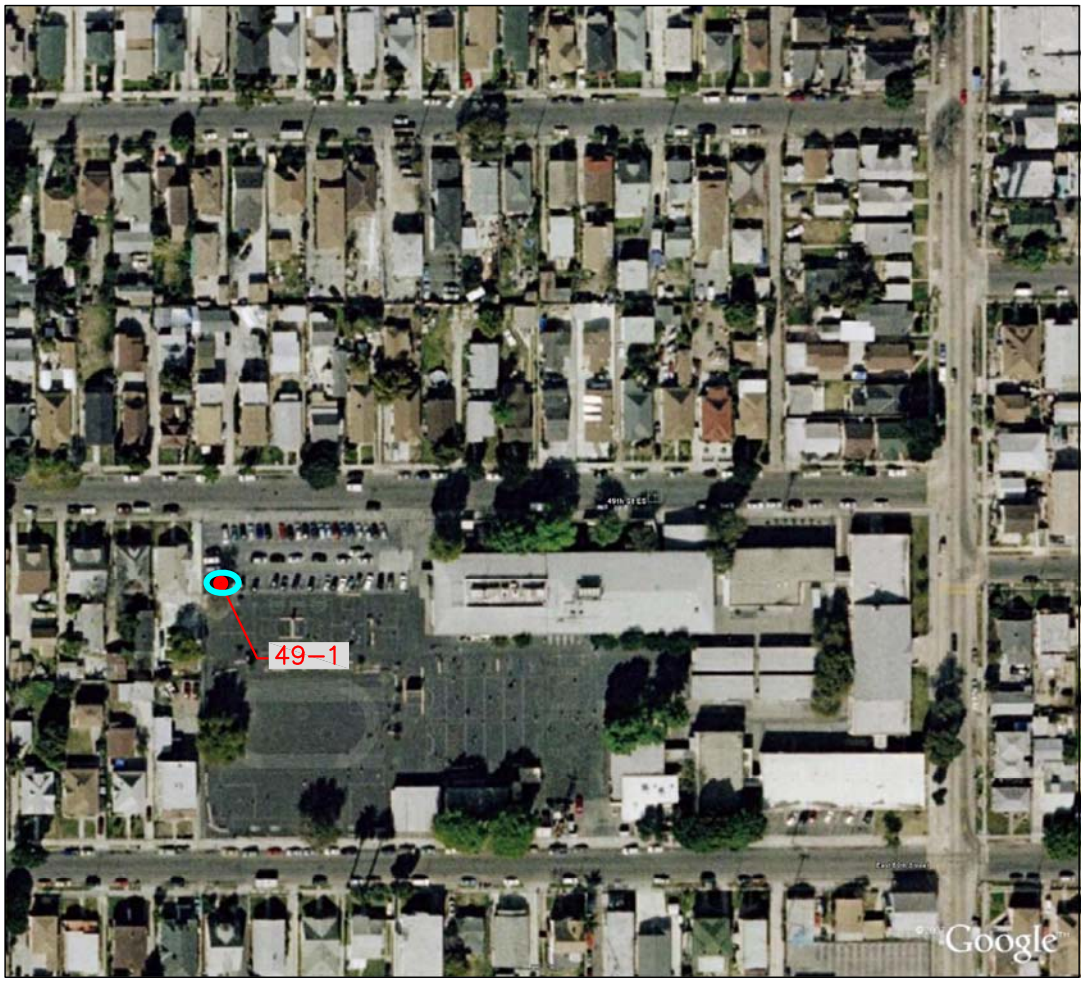
From Electrical Transformers, Department of Toxic Substances Control, Sacramento, California, June 9, 2006.

2. USEPA 2004b, *Region 9 Preliminary Remediation Goals Table 2004 Update*, Environmental Protection Agency – Region 9, San Francisco, California, 2004.

3. Cal/EPA, *Arsenic Strategies, Determination of Arsenic Remediation, Development of Arsenic Cleanup Goals For Proposed and Existing School Sites,* Department of Toxic Substances Control, Sacramento, California, March 21, 2007.

ATTACHMENT A

Figure 1



49–1 ● SOIL SAMPLE LOCATION

STOCKPILE LOCATION

SCALE: 1" = 200'

0 1" 2"

0 200' 400'

LINDMARK ENGINEERING
5900 Cherry Avenue
Long Beach, CA 90805–4408
(562) 423–0600
FAX: (562) 423–0607
www.lindmarkengineering.com

PROJECT: LAUSD 49TH STREET ELEMENTARY SCHOOL
(750 EAST 49TH STREET, LOS ANGELES, CA, 90011)

TITLE: SOIL SAMPLE LOCATION

DESIGNED BY:	DRAWN BY:	CHECKED BY:	DATE:	SCALE:	JOB NO.	FIGURE NO.:
SP	SP	GEB	09/07	AS NOTED	07–1299.1	1

F:\DRAWING\07\1299ss1

ATTACHMENT B

Table 1

Table 1 Soil Analytical Results September 10, 2007				
Analyte	**EPA Method**	**49-1**	**PQL**	**EPA Residential PRG in Soil**
TPH(d) (mg/kg)	8015B	ND	10	‡
TPH(o) (mg/kg)	8015B	ND	50	‡
TPH(g) (µg/kg)	8260B	ND	500	‡
VOCs (µg/kg)	8260B	ND	2–50	Various
Bis(2-ethylhexyl) phthalate (µg/kg)	8270C	ND	330	1,200
Pyrene (µg/kg)	8270C	ND	330	2,300
Other SVOCs (µg/kg)	8270C	ND	330–1,700	Various
Gamma-Chlordane (µg/kg)	8081A	7.04	2.00	430**
Alpha-Chlordane (µg/kg)	8081A	5.01	2.00	430**
4,4′-DDD (µg/kg)	8081A	ND	4.00	2,300**
4,4′-DDE (µg/kg)	8081A	7.84	4.00	1,600**
4,4′-DDT (µg/kg)	8081A	14.4	4.00	1,600**
Dieldrin (µg/kg)	8081A	14.7	4.00	35**
Other Organochlorine Pesticides (µg/kg)	8081A	ND	2–170	Various
PCBs (µg/kg)	8082	ND	33–67	Various
Organophosphorus Compounds (µg/kg)	8141A	ND	5–10	Various
Chlorinated Herbicides (µg/kg)	8151A	ND	0.50–200	Various
Antimony (mg/kg)	6010B	0.61	0.50	31
Arsenic (mg/kg)	6010B	3.07	0.25	6†
Arsenic (mg/kg)	6020B	2.4	0.50	6†
Barium (mg/kg)	6010B	97.7	0.50	5,400
Beryllium (mg/kg)	6010B	ND	0.50	1,500
Cadmium (mg/kg)	6010B	ND	0.50	37
Chromium Total (mg/kg)	6010B	9.67	0.50	210
Chromium VI (mg/kg)	7199	0.14J	0.50	30
Cobalt (mg/kg)	6010B	7.13	0.50	900
Copper (mg/kg)	6010B	17.6	0.50	3,100
Lead (mg/kg)	6010B	36.7	0.25	255†/50*
Mercury (mg/kg)	7471A	0.32	0.20	23
Molybdenum (mg/kg)	6010B	0.44J	0.50	390
Nickel (mg/kg)	6010B	9.82	0.50	1,600
Selenium (mg/kg)	6010B	1.06	0.50	390
Silver (mg/kg)	6010B	0.54	0.50	390
Thallium (mg/kg)	6010B	ND	0.50	5.2
Thallium (mg/kg)	6020B	0.58	0.50	5.2
Vanadium (mg/kg)	6010B	25.1	0.50	78
Zinc (mg/kg)	6010B	99.6	0.50	23,000

Notes:

TPH(d)	=	Total petroleum hydrocarbons as diesel
TPH(o)	=	Total petroleum hydrocarbons as oil
TPH(g)	=	Total petroleum hydrocarbons as gasoline
VOCs	=	Volatile organic compounds
SVOCs	=	Semi-volatile organic compounds
DDD	=	Dichloro-diphenyl-dichloroethane
DDE	=	1,1-bis-(4-chlorophenyl)-2,2-dichloroethene
DDT	=	4,4'-(2,2,2-trichloroethane-1,1-diyl)bis(chlorobenzene)
PCBs	=	Polychlorinated biphenyls
mg/kg	=	Milligrams per kilogram
µg/kg	=	Micrograms per kilogram
ND	=	Not detected
PQL	=	Practical quantitation limit
RL	=	Reporting Limit
PRG	=	USEPA Region IX Residential Preliminary Remediation Goals <http://www.epa.gov/Region9/waste/sfund/prg/files/04prgtable.pdf>
*	=	LAUSD limit requiring further analysis for leaching potential
**	=	California Human Health Screening Level
†	=	DTSC Screening Level
‡	=	No EPA PRG Established for TPH
J	=	Estimated value

ATTACHMENT C

Laboratory Report and Chain-of-Custody Record

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

Lindmark Engineering, Inc.
5900 Cherry Ave.
Long Beach, CA 90805-4408

Telephone (562)423-0600
Attn Gabriele Baader

Number of Pages 21
Date Received 09/11/2007
Date Reported 09/21/2007

Job Number	Ordered	Client
35181	09/11/2007	LNDMRK

Project ID: 2007-1299.1
Project Name: LAUSD 49th Street
Site: 49th Street
Elementary School

Enclosed are the results of analyses on 1 sample analyzed as specified on attached chain of custody.

Amolk MOLKY Brar
Laboratory Manager

Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

Chain-of-Custody Record

ASL Job # 35181 **Sheet** 1 **of** 1

LINDMARK ENGINEERING

5900 CHERRY AVENUE
LONG BEACH, CA 90805
PHONE 562.423.0600
FAX 562.423.0607

Project No./Name 2007-1299.1 LBUSD 49TH ST ES — EDF: Yes ☐ No ☒

Sampling Location 49TH ST ELEMENTARY SCHOOL — Global ID

Project Mgr. G. BAADER — e-mail results: gbaader ✓ @lindmarkengineering.com

Sampled by S.P. — e-mail results: @lindmarkengineering.com

P.O. # 8184 Lab Name ASL — ASTM ☒ Level II QC ☒ MS/MSD ☒ EDD-Excel ☐

FIELD POINT NAME	SAMPLE ID	DATE	TIME	MATRIX	CONTAINER Quantity	CONTAINER Size/Type	CONTAINER Preservative	Analyses by EPA Method: TPH(d) by 8015	TPH(g)/VOCs by 8260B	SVOCs by 8270C	PCBs by 8082	OCPs by 8081A	OPPs by 8141A	CHs by 8151A	Metals (15) by 6010B/7470A	CR(VI) by 7199	Arsenic/Thallium by 6020	NOTES
49-1		9/10/07	9:00	SOIL	2	8-oz GLASS	ICE	X	X	X	X	X	X	X	X	X	X	204141

Relinquished by:	Date/Time	Received by:	Date/Time
S.P.	9/10/07 10:00	Alex	9/11/07 16:15
Relinquished by:	Date/Time	Received by:	Date/Time
Relinquished by:	Date/Time	Received by:	Date/Time

Sample Turnaround:

☒ Normal ☐ 24 Hours ☐ 48 Hours ☐ 3 Days ☐ Results Due: _____

Laboratory use only

Sample conditions on receipt: _____

Additional comments: _____

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

Lindmark Engineering, Inc.
5900 Cherry Ave.
Long Beach, CA 90805-4408

Telephone: (562)423-0600
Attn: Gabriele Baader

Site

49th Street
Elementary School

Page: **2**

Project ID: 2007-1299.1
Project Name: LAUSD 49th Street

ASL Job Number	Submitted	Client
35181	09/11/2007	LNDMRK

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 091707-1

Our Lab I.D.			Method Blank	**204141**			
Client Sample I.D.				49-1			
Date Sampled				**09/10/2007**			
Date Prepared			**09/17/2007**	**09/17/2007**			
Preparation Method			**3050B**	**3050B**			
Date Analyzed			**09/17/2007**	**09/17/2007**			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
AA Metals							
Mercury	**0.10**	**0.20**	**ND**	**0.32**			
ICP Metals							
Antimony	**0.15**	**0.50**	**ND**	**0.61**			
Arsenic	**0.10**	**0.25**	**ND**	**3.07**			
Barium	**0.05**	**0.50**	**ND**	**97.7**			
Beryllium	**0.05**	**0.50**	**ND**	**ND**			
Cadmium	**0.05**	**0.50**	**ND**	**ND**			
Chromium	**0.25**	**0.50**	**ND**	**9.67**			
Cobalt	**0.05**	**0.50**	**ND**	**7.13**			
Copper	**0.25**	**0.50**	**ND**	**17.6**			
Lead	**0.10**	**0.25**	**ND**	**36.7**			
Molybdenum	**0.05**	**0.50**	**ND**	**0.44J**			
Nickel	**0.05**	**0.50**	**ND**	**9.82**			
Selenium	**0.20**	**0.50**	**ND**	**1.06**			
Silver	**0.40**	**0.50**	**ND**	**0.54**			
Thallium	**0.20**	**0.50**	**ND**	**ND**			
Vanadium	**0.30**	**0.50**	**ND**	**25.1**			
Zinc	**0.05**	**0.50**	**ND**	**99.6**			

Comment(s):
Sb MS/MSD did not meet % limit; LCS meets % Limit.

QUALITY CONTROL REPORT

QC Batch No: 091707-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
AA Metals										
Mercury	**110**	**110**	**<1**	**70-130**	**30**	**96**	**96**	**<1**	**80-120**	**<20**
ICP Metals										

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
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ANALYTICAL RESULTS

Project ID: 2007-1299.1
Project Name: LAUSD 49th Street

ASL Job Number	Submitted	Client
35181	09/11/2007	LNDMRK

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)
QUALITY CONTROL REPORT

QC Batch No: 091707-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
ICP Metals										
Antimony	55	54	1.8	70-130	30	89	95	6.5	80-120	<20
Arsenic	95	91	4.3	70-130	30	92	100	8.3	80-120	<20
Barium	119	105	12.5	70-130	30	91	98	7.4	80-120	<20
Beryllium	96	92	4.3	70-130	30	92	100	8.3	80-120	<20
Cadmium	92	88	4.4	70-130	30	90	100	10.5	80-120	<20
Chromium	90	86	4.5	70-130	30	88	96	8.7	80-120	<20
Cobalt	93	89	4.4	70-130	30	94	102	8.2	80-120	<20
Copper	95	90	5.4	70-130	30	89	97	8.6	80-120	<20
Lead	98	91	7.4	70-130	30	92	101	9.3	80-120	<20
Molybdenum	92	88	4.4	70-130	30	92	100	8.3	80-120	<20
Nickel	93	89	4.4	70-130	30	96	103	7.0	80-120	<20
Selenium	91	87	4.5	70-130	30	91	102	11.4	80-120	<20
Silver	96	93	3.2	70-130	30	95	94	1.1	80-120	<20
Thallium	81	77	5.1	70-130	30	90	99	9.5	80-120	<20
Vanadium	99	93	6.3	70-130	30	88	94	6.6	80-120	<20
Zinc	111	101	9.4	70-130	30	95	105	10.0	80-120	<20

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

Lindmark Engineering, Inc.
5900 Cherry Ave.
Long Beach, CA 90805-4408

Telephone: (562)423-0600
Attn: Gabriele Baader

Site

49th Street
Elementary School

Page: **4**

Project ID: 2007-1299.1
Project Name: LAUSD 49th Street

ASL Job Number	Submitted	Client
35181	09/11/2007	LNDMRK

Method: 7199, Hexavalent Chromium by Ion Chromatography

QC Batch No: 091707-1

Our Lab I.D.			Method Blank	**204141**			
Client Sample I.D.				49-1			
Date Sampled				**09/10/2007**			
Date Prepared			**09/17/2007**	**09/17/2007**			
Preparation Method							
Date Analyzed			**09/17/2007**	**09/17/2007**			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Conventionals							
Chromium (VI)	**0.100**	**0.500**	**ND**	**0.14J**			

QUALITY CONTROL REPORT

QC Batch No: 091707-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS/LCSD % Limit			
Conventionals										
Chromium (VI)	**110**	**108**	**1.8**	**75-125**	**<25**	**105**	**80-120**			

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

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Attn: Gabriele Baader

Site

49th Street
Elementary School

Page: **5**

Project ID: 2007-1299.1
Project Name: LAUSD 49th Street

ASL Job Number	Submitted	Client
35181	09/11/2007	LNDMRK

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: 091407-2P

Our Lab I.D.			Method Blank	204141			
Client Sample I.D.				49-1			
Date Sampled				09/10/2007			
Date Prepared			09/14/2007	09/14/2007			
Preparation Method			3550B	3550B			
Date Analyzed			09/14/2007	09/14/2007			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH DROs (C10 to C28)	3	10	ND	ND			
TPH OROs (C28+)	17	50	ND	ND			

Our Lab I.D.				204141			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Chlorobenzene	70-120		100	98			

QUALITY CONTROL REPORT

QC Batch No: 091407-2P

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC				
Diesel	85	83	2.4	75-120	<20	98				

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

Lindmark Engineering, Inc.
5900 Cherry Ave.
Long Beach, CA 90805-4408

Telephone: (562)423-0600
Attn: Gabriele Baader

Site

49th Street
Elementary School

Page: **6**

Project ID: 2007-1299.1
Project Name: LAUSD 49th Street

ASL Job Number	Submitted	Client
35181	09/11/2007	LNDMRK

Method: 8081A, Organochlorine Pesticides

QC Batch No: 091407-1

Our Lab I.D.			Method Blank	**204141**			
Client Sample I.D.				49-1			
Date Sampled				**09/10/2007**			
Date Prepared			**09/14/2007**	**09/14/2007**			
Preparation Method			**3550B**	**3550B**			
Date Analyzed			**09/14/2007**	**09/14/2007**			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Aldrin	**0.23**	**2.00**	**ND**	**ND**			
alpha-Hexachlorocyclohexane (Alpha-BHC)	**0.27**	**2.00**	**ND**	**ND**			
Beta-Hexachlorocyclohexane (Beta-BHC)	**0.37**	**2.00**	**ND**	**ND**			
Gamma-Chlordane	**0.19**	**2.00**	**ND**	**7.04**			
alpha-Chlordane	**0.20**	**2.00**	**ND**	**5.01**			
4,4'-DDD (DDD)	**0.27**	**4.00**	**ND**	**ND**			
4,4'-DDE (DDE)	**0.22**	**4.00**	**ND**	**7.84**			
4,4'-DDT (DDT)	**0.22**	**4.00**	**ND**	**14.4**			
delta-Hexachlorocyclohexane (Delta-BHC)	**0.15**	**2.00**	**ND**	**ND**			
Dieldrin	**0.20**	**4.00**	**ND**	**14.7**			
Endosulfan 1	**0.20**	**2.00**	**ND**	**ND**			
Endosulfan 11	**0.24**	**4.00**	**ND**	**ND**			
Endosulfan sulfate	**0.27**	**4.00**	**ND**	**ND**			
Endrin	**0.25**	**4.00**	**ND**	**ND**			
Endrin aldehyde	**0.44**	**4.00**	**ND**	**ND**			
Endrin ketone	**0.30**	**4.00**	**ND**	**ND**			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	**0.21**	**2.00**	**ND**	**ND**			
Heptachlor	**0.23**	**2.00**	**ND**	**ND**			
Heptachlor epoxide	**0.23**	**2.00**	**ND**	**ND**			
Methoxychlor	**0.39**	**17.00**	**ND**	**ND**			
Toxaphene	**17**	**170**	**ND**	**ND**			

Our Lab I.D.				**204141**			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Decachlorobiphenyl	**43-169**		**105**	**92**			

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ANALYTICAL RESULTS

Project ID: 2007-1299.1
Project Name: LAUSD 49th Street

ASL Job Number	Submitted	Client
35181	09/11/2007	LNDMRK

Method: 8081A, Organochlorine Pesticides
QUALITY CONTROL REPORT

QC Batch No: 091407-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Aldrin	**84**	**90**	**6.9**	**42-122**	**<30**	**110**	**108**	**1.8**	**42-122**	**<30**
4,4'-DDT (DDT)	**27**	**26**	**3.8**	**25-160**	**<30**	**114**	**112**	**1.8**	**25-160**	**<30**
Dieldrin	**57**	**62**	**8.4**	**36-146**	**<30**	**118**	**115**	**2.6**	**36-146**	**<30**
Endrin	**89**	**90**	**1.1**	**30-147**	**<30**	**123**	**113**	**8.5**	**30-147**	**<30**
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	**80**	**86**	**7.2**	**32-127**	**<30**	**114**	**111**	**2.7**	**32-127**	**<30**
Heptachlor	**74**	**73**	**1.4**	**34-111**	**<30**	**98**	**98**	**<1**	**34-111**	**<30**

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ANALYTICAL RESULTS

Ordered By

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Attn: Gabriele Baader

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Project ID: 2007-1299.1
Project Name: LAUSD 49th Street

ASL Job Number	Submitted	Client
35181	09/11/2007	LNDMRK

Method: 8082, Polychlorinated Biphenyls(PCBs) by Gas Chromatography

QC Batch No: 091407-1

Our Lab I.D.			Method Blank	**204141**			
Client Sample I.D.				49-1			
Date Sampled				**09/10/2007**			
Date Prepared			**09/14/2007**	**09/14/2007**			
Preparation Method			**3550B**	**3550B**			
Date Analyzed			**09/14/2007**	**09/14/2007**			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Aroclor-1016 (PCB-1016)	**3.60**	**33.00**	**ND**	**ND**			
Aroclor-1221 (PCB-1221)	**4.20**	**67.00**	**ND**	**ND**			
Aroclor-1232 (PCB-1232)	**2.10**	**33.00**	**ND**	**ND**			
Aroclor-1242 (PCB-1242)	**2.10**	**33.00**	**ND**	**ND**			
Aroclor-1248 (PCB-1248)	**2.10**	**33.00**	**ND**	**ND**			
Aroclor-1254 (PCB-1254)	**2.10**	**33.00**	**ND**	**ND**			
Aroclor-1260 (PCB-1260)	**2.10**	**33.00**	**ND**	**ND**			

Our Lab I.D.				**204141**			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Decachlorobiphenyl	**43-169**		**105**	**92**			

QUALITY CONTROL REPORT

QC Batch No: 091407-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Aroclor-1260 (PCB-1260)	**103**	**103**	**<1**	**39-150**	**<30**	**103**	**103**	**<1**	**39-150**	**<30**

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Project ID: 2007-1299.1
Project Name: LAUSD 49th Street

ASL Job Number	Submitted	Client
35181	09/11/2007	LNDMRK

Method: 8141A, Organophosphorus Compounds by Gas Chromatography

QC Batch No: 091307-1

Our Lab I.D.			Method Blank	**204141**			
Client Sample I.D.				49-1			
Date Sampled				**09/10/2007**			
Date Prepared			**09/13/2007**	**09/13/2007**			
Preparation Method							
Date Analyzed			**09/13/2007**	**09/13/2007**			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Azinphos-methyl	**1.374**	**5.000**	**ND**	**ND**			
Bolstar (Sulprofos)	**1.490**	**5.000**	**ND**	**ND**			
Chlorpyrifos	**2.059**	**5.000**	**ND**	**ND**			
Coumaphos	**1.604**	**5.000**	**ND**	**ND**			
Demeton	**0.902**	**5.000**	**ND**	**ND**			
Diazinon	**0.913**	**5.000**	**ND**	**ND**			
Dichlorvos (DDVP, Diclorovos)	**0.650**	**5.000**	**ND**	**ND**			
Disulfoton	**0.913**	**5.000**	**ND**	**ND**			
Ethoprop	**0.888**	**5.000**	**ND**	**ND**			
Fensulfothion	**0.586**	**10.000**	**ND**	**ND**			
Fenthion	**1.280**	**5.000**	**ND**	**ND**			
Merphos	**1.220**	**5.000**	**ND**	**ND**			
Methyl parathion (Parathion methyl)	**0.585**	**5.000**	**ND**	**ND**			
Mevinphos	**0.818**	**5.000**	**ND**	**ND**			
Naled	**0.589**	**5.000**	**ND**	**ND**			
Phorate (Phosphorodithioic acid)	**0.966**	**5.000**	**ND**	**ND**			
Ronnel	**1.190**	**5.000**	**ND**	**ND**			
Tetrachlorvinphos (Stirophos)	**1.710**	**5.000**	**ND**	**ND**			
Tokuthion (Prothiofos)	**0.803**	**5.000**	**ND**	**ND**			
Trichloronate	**0.963**	**5.000**	**ND**	**ND**			

Our Lab I.D.				**204141**			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Tributylphosphate	**50-170**		**64**	**80**			

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ANALYTICAL RESULTS

Project ID: 2007-1299.1
Project Name: LAUSD 49th Street

ASL Job Number	Submitted	Client
35181	09/11/2007	LNDMRK

Method: 8141A, Organophosphorus Compounds by Gas Chromatography
QUALITY CONTROL REPORT

QC Batch No: 091307-1

Analytes	MS % REC	MS DUP % REC	RPD %	LCS % REC	LCS/LCSD % Limit					
Chlorpyrifos	**99**	**102**	**3.0**	**122**	**40-130**					
Diazinon	**98**	**106**	**7.8**	**118**	**40-130**					
Methyl parathion (Parathion methyl)	**95**	**105**	**10.0**	**110**	**40-130**					
Tetrachlorvinphos (Stirophos)	**100**	**104**	**3.9**	**108**	**40-130**					

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ANALYTICAL RESULTS

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Project ID: 2007-1299.1
Project Name: LAUSD 49th Street

ASL Job Number	Submitted	Client
35181	09/11/2007	LNDMRK

Method: 8151A, Chlorinated Herbicides by Gas Chromatography

QC Batch No: 091307-1

Our Lab I.D.			Method Blank	**204141**			
Client Sample I.D.				49-1			
Date Sampled				**09/10/2007**			
Date Prepared			**09/13/2007**	**09/13/2007**			
Preparation Method							
Date Analyzed			**09/13/2007**	**09/13/2007**			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
2,4-D	**0.07**	**1.10**	**ND**	**ND**			
2,4-DB	**0.55**	**5.00**	**ND**	**ND**			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	**0.44**	**1.20**	**ND**	**ND**			
2,4,5,-TP (Silvex)	**0.44**	**1.20**	**ND**	**ND**			
Dalapon	**0.35**	**0.50**	**ND**	**ND**			
Dicamba	**0.52**	**0.60**	**ND**	**ND**			
Dichloroprop	**0.66**	**0.80**	**ND**	**ND**			
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	**0.41**	**1.10**	**ND**	**ND**			
MCPA	**86**	**200**	**ND**	**ND**			
MCPP	**103**	**150**	**ND**	**ND**			
Pentachlorophenol	**0.04**	**1.00**	**ND**	**ND**			
4-Nitrophenol	**1.89**	**5.00**	**ND**	**ND**			

Our Lab I.D.				**204141**			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
DCAA	**50-170**		**106**	**54**			

QUALITY CONTROL REPORT

QC Batch No: 091307-1

Analytes	MS % REC	MS DUP % REC	RPD %	LCS % REC	LCS/LCSD % Limit					
2,4-D	**99**	**103**	**4.0**	**103**	**50-180**					
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	**107**	**111**	**3.7**	**123**	**68-160**					
2,4,5,-TP (Silvex)	**116**	**122**	**5.0**	**109**	**42-180**					

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ANALYTICAL RESULTS

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Elementary School

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Project ID: 2007-1299.1
Project Name: LAUSD 49th Street

ASL Job Number	Submitted	Client
35181	09/11/2007	LNDMRK

Method: 8260B, Volatile Organic Compounds

QC Batch No: 091707-3B

Our Lab I.D.			Method Blank	**204141**			
Client Sample I.D.				49-1			
Date Sampled				**09/10/2007**			
Date Prepared			**09/18/2007**	**09/18/2007**			
Preparation Method			**5030B**	**5030B**			
Date Analyzed			**09/18/2007**	**09/18/2007**			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	**12.7**	**50.0**	**ND**	**ND**			
Benzene	**0.93**	**2.00**	**ND**	**ND**			
Bromobenzene (Phenyl bromide)	**3.39**	**10.00**	**ND**	**ND**			
Bromochloromethane (Chlorobromomethane)	**0.38**	**10.00**	**ND**	**ND**			
Bromodichloromethane (Dichlorobromomethane)	**0.63**	**10.00**	**ND**	**ND**			
Bromoform (Tribromomethane)	**3.39**	**50.00**	**ND**	**ND**			
Bromomethane (Methyl bromide)	**2.75**	**30.00**	**ND**	**ND**			
2-Butanone (MEK, Methyl ethyl ketone)	**5.83**	**50.00**	**ND**	**ND**			
n-Butylbenzene	**2.05**	**10.00**	**ND**	**ND**			
sec-Butylbenzene	**3.04**	**10.00**	**ND**	**ND**			
tert-Butylbenzene	**1.34**	**10.00**	**ND**	**ND**			
Carbon disulfide	**5.53**	**10.00**	**ND**	**ND**			
Carbon tetrachloride (Tetrachloromethane)	**2.48**	**10.00**	**ND**	**ND**			
Chlorobenzene	**0.89**	**10.00**	**ND**	**ND**			
Chloroethane	**2.15**	**30.00**	**ND**	**ND**			
2-Chloroethyl vinyl ether	**5.53**	**50.00**	**ND**	**ND**			
Chloroform (Trichloromethane)	**1.24**	**10.00**	**ND**	**ND**			
Chloromethane (Methyl chloride)	**1.74**	**30.00**	**ND**	**ND**			
4-Chlorotoluene (p-Chlorotoluene)	**1.34**	**10.00**	**ND**	**ND**			
2-Chlorotoluene (o-Chlorotoluene)	**2.35**	**10.00**	**ND**	**ND**			
1,2-Dibromo-3-chloropropane (DBCP)	**2.69**	**50.00**	**ND**	**ND**			
Dibromochloromethane	**0.65**	**10.00**	**ND**	**ND**			
1,2-Dibromoethane (EDB, Ethylene dibromide)	**2.75**	**10.00**	**ND**	**ND**			
Dibromomethane	**2.30**	**10.00**	**ND**	**ND**			
1,2-Dichlorobenzene (o-Dichlorobenzene)	**1.03**	**10.00**	**ND**	**ND**			
1,3-Dichlorobenzene (m-Dichlorobenzene)	**1.65**	**10.00**	**ND**	**ND**			

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ANALYTICAL RESULTS

Project ID: 2007-1299.1
Project Name: LAUSD 49th Street

ASL Job Number	Submitted	Client
35181	09/11/2007	LNDMRK

Method: 8260B, Volatile Organic Compounds

QC Batch No: 091707-3B

Our Lab I.D.			Method Blank	**204141**			
Client Sample I.D.				49-1			
Date Sampled				**09/10/2007**			
Date Prepared			**09/18/2007**	**09/18/2007**			
Preparation Method			**5030B**	**5030B**			
Date Analyzed			**09/18/2007**	**09/18/2007**			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,4-Dichlorobenzene (p-Dichlorobenzene)	**2.23**	**10.00**	**ND**	**ND**			
Dichlorodifluoromethane	**2.07**	**30.00**	**ND**	**ND**			
1,1-Dichloroethane	**1.30**	**10.00**	**ND**	**ND**			
1,2-Dichloroethane	**1.57**	**10.00**	**ND**	**ND**			
1,1-Dichloroethene (1,1-Dichloroethylene)	**2.60**	**10.00**	**ND**	**ND**			
cis-1,2-Dichloroethene	**1.60**	**10.00**	**ND**	**ND**			
trans-1,2-Dichloroethene	**2.16**	**10.00**	**ND**	**ND**			
1,2-Dichloropropane	**0.66**	**10.00**	**ND**	**ND**			
1,3-Dichloropropane	**0.92**	**10.00**	**ND**	**ND**			
2,2-Dichloropropane	**1.36**	**10.00**	**ND**	**ND**			
1,1-Dichloropropene	**1.12**	**10.00**	**ND**	**ND**			
cis-1,3-Dichloropropene	**0.98**	**10.00**	**ND**	**ND**			
trans-1,3-Dichloropropene	**0.96**	**10.00**	**ND**	**ND**			
Ethylbenzene	**1.0**	**2.0**	**ND**	**ND**			
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	**2.77**	**30.00**	**ND**	**ND**			
2-Hexanone	**3.18**	**50.00**	**ND**	**ND**			
Isopropylbenzene	**1.42**	**10.00**	**ND**	**ND**			
p-Isopropyltoluene (4-Isopropyltoluene)	**3.86**	**10.00**	**ND**	**ND**			
MTBE	**2.90**	**5.00**	**ND**	**ND**			
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	**3.14**	**50.00**	**ND**	**ND**			
Methylene chloride (Dichloromethane, DCM)	**3.31**	**50.00**	**ND**	**ND**			
Naphthalene	**1.14**	**10.00**	**ND**	**ND**			
n-Propylbenzene	**1.14**	**10.00**	**ND**	**ND**			
Styrene	**0.80**	**10.00**	**ND**	**ND**			
1,1,1,2-Tetrachloroethane	**1.28**	**10.00**	**ND**	**ND**			
1,1,2,2-Tetrachloroethane	**3.25**	**10.00**	**ND**	**ND**			
Tetrachloroethene (Tetrachloroethylene)	**0.93**	**10.00**	**ND**	**ND**			
Toluene (Methyl benzene)	**1.0**	**2.0**	**ND**	**ND**			
1,2,3-Trichlorobenzene	**1.23**	**10.00**	**ND**	**ND**			
1,2,4-Trichlorobenzene	**2.82**	**10.00**	**ND**	**ND**			
1,1,1-Trichloroethane	**2.03**	**10.00**	**ND**	**ND**			
1,1,2-Trichloroethane	**1.74**	**10.00**	**ND**	**ND**			

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ANALYTICAL RESULTS

Project ID: 2007-1299.1
Project Name: LAUSD 49th Street

ASL Job Number	Submitted	Client
35181	09/11/2007	LNDMRK

Method: 8260B, Volatile Organic Compounds

QC Batch No: 091707-3B

Our Lab I.D.			Method Blank	**204141**			
Client Sample I.D.				49-1			
Date Sampled				**09/10/2007**			
Date Prepared			**09/18/2007**	**09/18/2007**			
Preparation Method			**5030B**	**5030B**			
Date Analyzed			**09/18/2007**	**09/18/2007**			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Trichloroethene (TCE)	**1.15**	**10.00**	**ND**	**ND**			
Trichlorofluoromethane	**3.15**	**10.00**	**ND**	**ND**			
1,2,3-Trichloropropane	**1.74**	**10.00**	**ND**	**ND**			
1,2,4-Trimethylbenzene	**3.19**	**10.00**	**ND**	**ND**			
1,3,5-Trimethylbenzene	**1.23**	**10.00**	**ND**	**ND**			
Vinyl acetate	**10.8**	**50.0**	**ND**	**ND**			
Vinyl chloride (Chloroethene)	**2.79**	**30.00**	**ND**	**ND**			
o-Xylene	**1.0**	**2.0**	**ND**	**ND**			
m- & p-Xylenes	**1.80**	**4.00**	**ND**	**ND**			

Our Lab I.D.				**204141**			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Bromofluorobenzene	**70-120**		**114**	**118**			
Dibromofluoromethane	**70-120**		**118**	**114**			
Toluene-d8	**70-120**		**108**	**107**			

QUALITY CONTROL REPORT

QC Batch No: 091707-3B

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC				
Benzene	**99**	**97**	**2.0**	**75-120**	**15**	**84**				
Chlorobenzene	**102**	**104**	**1.9**	**75-120**	**15**	**101**				
1,1-Dichloroethene (1,1-Dichloroethylene)	**83**	**87**	**4.7**	**75-120**	**15**	**81**				
MTBE	**97**	**101**	**4.0**	**75-120**	**15**	**118**				
Toluene (Methyl benzene)	**91**	**90**	**1.1**	**75-120**	**15**	**85**				
Trichloroethene (TCE)	**106**	**110**	**3.7**	**75-120**	**15**	**84**				

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ANALYTICAL RESULTS

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Project ID: 2007-1299.1
Project Name: LAUSD 49th Street

ASL Job Number	Submitted	Client
35181	09/11/2007	LNDMRK

Method: 8260B, TPH GROs(Gasoline Range Organics)

QC Batch No: 091707-3B

Our Lab I.D.			Method Blank	**204141**			
Client Sample I.D.				49-1			
Date Sampled				**09/10/2007**			
Date Prepared			**09/14/2007**	**09/14/2007**			
Preparation Method			**5030B**	**5030B**			
Date Analyzed			**09/15/2007**	**09/15/2007**			
Matrix			Soil	Soil			
Units			ug/kg	ug/kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH GROs (C6 to C10)	**200**	**500**	**ND**	**ND**			

Our Lab I.D.				**204141**			
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**			
Surrogate Percent Recovery							
Bromofluorobenzene	**70-120**		**114**	**118**			
Dibromofluoromethane	**70-120**		**118**	**114**			
Toluene-d8	**70-120**		**108**	**107**			

QUALITY CONTROL REPORT

QC Batch No: 091707-3B

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC				
Benzene	**99**	**97**	**2.0**	**75-120**	**15**	**84**				
Chlorobenzene	**102**	**104**	**1.9**	**75-120**	**15**	**101**				
1,1-Dichloroethene (1,1-Dichloroethylene)	**83**	**87**	**4.7**	**75-120**	**15**	**81**				
MTBE	**97**	**101**	**4.0**	**75-120**	**15**	**118**				
Toluene (Methyl benzene)	**91**	**90**	**1.1**	**75-120**	**15**	**85**				
Trichloroethene (TCE)	**106**	**110**	**3.7**	**75-120**	**15**	**84**				

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Ordered By

Lindmark Engineering, Inc.
5900 Cherry Ave.
Long Beach, CA 90805-4408

Telephone: (562)423-0600
Attn: Gabriele Baader

Site

49th Street
Elementary School

Page: **16**

Project ID: 2007-1299.1
Project Name: LAUSD 49th Street

ASL Job Number	Submitted	Client
35181	09/11/2007	LNDMRK

Method: 8270C, Semivolatile Organics

QC Batch No: 091407-1

Our Lab I.D.			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			**09/14/2007**				
Preparation Method			**3550B**				
Date Analyzed			**09/14/2007**				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acenaphthene	**13.8**	**330.0**	**ND**				
Acenaphthylene	**16.1**	**330.0**	**ND**				
Anthracene	**9.9**	**330.0**	**ND**				
Benz(a)anthracene (Benzo(a)anthracene)	**12.8**	**330.0**	**ND**				
Benzo(a)pyrene	**18.9**	**330.0**	**ND**				
Benzo(b)fluoranthene	**21.8**	**330.0**	**ND**				
Benzo(ghi)perylene	**18.4**	**330.0**	**ND**				
Benzo(k)fluoranthene	**19.0**	**330.0**	**ND**				
Benzoic acid	**36.7**	**1700.0**	**ND**				
Benzyl alcohol	**22.6**	**660.0**	**ND**				
Bis(2-chloroethoxy)methane	**19.6**	**330.0**	**ND**				
Bis(2-chloroethyl)ether	**20.3**	**330.0**	**ND**				
Bis(2-chloroisopropyl) ether	**17.3**	**330.0**	**ND**				
Bis(2-ethylhexyl) phthalate	**11.1**	**330.0**	**ND**				
4-Bromophenyl phenyl ether	**14.6**	**330.0**	**ND**				
Butyl benzyl phthalate (Benzyl butyl phthalate)	**13.3**	**330.0**	**ND**				
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	**23.2**	**660.0**	**ND**				
4-Chloroaniline	**20.0**	**660.0**	**ND**				
2-Chloronaphthalene	**19.5**	**330.0**	**ND**				
2-Chlorophenol (o-Chlorophenol)	**18.8**	**330.0**	**ND**				
4-Chlorophenyl phenyl ether	**17.2**	**330.0**	**ND**				
Chrysene	**14.4**	**330.0**	**ND**				
Di-n-butyl phthalate	**10.1**	**330.0**	**ND**				
Di-n-octyl phthalate (Dioctyl ester)	**14.7**	**330.0**	**ND**				
Dibenz(a,h)anthracene	**16.1**	**330.0**	**ND**				
Dibenzofuran	**15.7**	**330.0**	**ND**				
1,3-Dichlorobenzene (m-Dichlorobenzene)	**20.2**	**330.0**	**ND**				

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 2007-1299.1
Project Name: LAUSD 49th Street

ASL Job Number	Submitted	Client
35181	09/11/2007	LNDMRK

Method: 8270C, Semivolatile Organics

QC Batch No: 091407-1

Our Lab I.D.			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			09/14/2007				
Preparation Method			3550B				
Date Analyzed			09/14/2007				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,2-Dichlorobenzene (o-Dichlorobenzene)	17.8	330.0	ND				
1,4-Dichlorobenzene	18.4	330.0	ND				
3,3'-Dichlorobenzidine	14.6	660.0	ND				
2,4-Dichlorophenol	24.1	1700.0	ND				
Diethyl phthalate (Diethyl ester)	13.9	330.0	ND				
2,4-Dimethylphenol	22.4	330.0	ND				
Dimethyl phthalate (Dimethyl ester)	15.5	330.0	ND				
2,4-Dinitrophenol	128	1700	ND				
2,4-Dinitrotoluene	17.3	330.0	ND				
2,6-Dinitrotoluene (2,6-DNT)	16.0	330.0	ND				
Fluoranthene	8.0	330.0	ND				
Fluorene	14.2	330.0	ND				
Hexachlorobenzene	9.7	330.0	ND				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	15.9	330.0	ND				
Hexachlorocyclopentadiene	16.5	660.0	ND				
Hexachloroethane	22.6	330.0	ND				
Indeno(1,2,3-cd)pyrene	16.8	330.0	ND				
Isophorone	20.1	330.0	ND				
2-methyl-4,6-Dinitrophenol	31.2	1700.0	ND				
2-Methylnaphthalene	19.1	330.0	ND				
2-Methylphenol (o-Cresol, 2-Cresol)	21.2	330.0	ND				
4-Methylphenol (p-Cresol, 4-Cresol)	22.5	330.0	ND				
N-Nitroso-Di-n-propylamine	22.7	330.0	ND				
N-Nitrosodiphenylamine	11.4	330.0	ND				
Naphthalene	18.9	330.0	ND				
2-Nitroaniline	16.7	1700.0	ND				
3-Nitroaniline	17.5	1700.0	ND				
4-Nitroaniline	12.9	1700.0	ND				
Nitrobenzene (NB)	18.7	330.0	ND				
2-Nitrophenol (o-Nitrophenol)	26.0	330.0	ND				
4-Nitrophenol	26.0	1700.0	ND				
Pentachlorophenol	22.7	1700.0	ND				
Phenanthrene	10.9	330.0	ND				
Phenol	16.9	330.0	ND				

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

ANALYTICAL RESULTS

Project ID: 2007-1299.1
Project Name: LAUSD 49th Street

ASL Job Number	Submitted	Client
35181	09/11/2007	LNDMRK

Method: 8270C, Semivolatile Organics

QC Batch No: 091407-1

Our Lab I.D.			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			09/14/2007				
Preparation Method			3550B				
Date Analyzed			09/14/2007				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Pyrene	8.2	330.0	ND				
1,2,4-Trichlorobenzene	16.6	330.0	ND				
2,4,5-Trichlorophenol	23.6	330.0	ND				
2,4,6-Trichlorophenol	19.4	330.0	ND				

Our Lab I.D.							
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
2-Fluorophenol	21-105		40				
Phenol-d6	10-107		34				
2,4,6-Tribromophenol	10-123		72				
Nitrobenzene-d5	35-114		41				
2-Fluorobiphenyl	18-116		45				
Terphenyl-d14	33-141		77				

QUALITY CONTROL REPORT

QC Batch No: 091407-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Acenaphthene	56	47	17.5	43-118	<30	103	103	<1	43-118	<30
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	68	60	12.5	23-117	<30	76	76	<1	23-117	<30
2-Chlorophenol (o-Chlorophenol)	30	40	28.6	27-123	<30	112	113	<1	27-123	<30
1,4-Dichlorobenzene	41	47	13.6	36-105	<30	84	80	4.9	36-105	<30
2,4-Dinitrotoluene	40	39	2.5	24-120	<30	104	89	15.5	24-120	<30
N-Nitroso-Di-n-propylamine	50	47	6.2	41-116	<30	74	73	1.4	41-116	<30
4-Nitrophenol	34	41	18.7	10-133	<30	115	89	25.5	10-133	<30
Pentachlorophenol	73	67	8.6	9-118	<30	99	84	16.4	9-118	<30
Phenol	31	33	6.3	12-110	<30	70	71	1.4	12-110	<30
Pyrene	58	59	1.7	26-127	<30	112	105	6.5	26-127	<30
1,2,4-Trichlorobenzene	44	56	24.0	39-98	<30	90	86	4.5	39-98	<30

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
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ANALYTICAL RESULTS

Ordered By

Lindmark Engineering, Inc.
5900 Cherry Ave.
Long Beach, CA 90805-4408

Telephone: (562)423-0600
Attn: Gabriele Baader

Site

49th Street
Elementary School

Page: **19**

Project ID: 2007-1299.1
Project Name: LAUSD 49th Street

ASL Job Number	Submitted	Client
35181	09/11/2007	LNDMRK

Method: 8270C, Semivolatile Organics

QC Batch No: 091407-1

Our Lab I.D.			**204141**				
Client Sample I.D.			49-1				
Date Sampled			**09/10/2007**				
Date Prepared			**09/14/2007**				
Preparation Method			**3550B**				
Date Analyzed			**09/14/2007**				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			3				
Analytes	**MDL**	**PQL**	**Results**				
Acenaphthene	**41**	**990**	**ND**				
Acenaphthylene	**48**	**990**	**ND**				
Anthracene	**29**	**990**	**ND**				
Benz(a)anthracene (Benzo(a)anthracene)	**38**	**990**	**ND**				
Benzo(a)pyrene	**56**	**990**	**ND**				
Benzo(b)fluoranthene	**65**	**990**	**ND**				
Benzo(ghi)perylene	**55**	**990**	**ND**				
Benzo(k)fluoranthene	**57**	**990**	**ND**				
Benzoic acid	**110**	**5100**	**ND**				
Benzyl alcohol	**67**	**1980**	**ND**				
Bis(2-chloroethoxy)methane	**58**	**990**	**ND**				
Bis(2-chloroethyl)ether	**60**	**990**	**ND**				
Bis(2-chloroisopropyl) ether	**51**	**990**	**ND**				
Bis(2-ethylhexyl) phthalate	**33**	**990**	**ND**				
4-Bromophenyl phenyl ether	**43**	**990**	**ND**				
Butyl benzyl phthalate (Benzyl butyl phthalate)	**39**	**990**	**ND**				
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	**69**	**1980**	**ND**				
4-Chloroaniline	**60**	**1980**	**ND**				
2-Chloronaphthalene	**58**	**990**	**ND**				
2-Chlorophenol (o-Chlorophenol)	**56**	**990**	**ND**				
4-Chlorophenyl phenyl ether	**51**	**990**	**ND**				
Chrysene	**43**	**990**	**ND**				
Di-n-butyl phthalate	**30**	**990**	**ND**				
Di-n-octyl phthalate (Dioctyl ester)	**44**	**990**	**ND**				
Dibenz(a,h)anthracene	**48**	**990**	**ND**				
Dibenzofuran	**47**	**990**	**ND**				
1,3-Dichlorobenzene (m-Dichlorobenzene)	**60**	**990**	**ND**				

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
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ANALYTICAL RESULTS

Project ID: 2007-1299.1
Project Name: LAUSD 49th Street

ASL Job Number	Submitted	Client
35181	09/11/2007	LNDMRK

Method: 8270C, Semivolatile Organics

QC Batch No: 091407-1

Our Lab I.D.			**204141**				
Client Sample I.D.			49-1				
Date Sampled			**09/10/2007**				
Date Prepared			**09/14/2007**				
Preparation Method			**3550B**				
Date Analyzed			**09/14/2007**				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			3				
Analytes	**MDL**	**PQL**	**Results**				
1,2-Dichlorobenzene (o-Dichlorobenzene)	**53**	**990**	**ND**				
1,4-Dichlorobenzene	**55**	**990**	**ND**				
3,3'-Dichlorobenzidine	**43**	**1980**	**ND**				
2,4-Dichlorophenol	**72**	**5100**	**ND**				
Diethyl phthalate (Diethyl ester)	**41**	**990**	**ND**				
2,4-Dimethylphenol	**67**	**990**	**ND**				
Dimethyl phthalate (Dimethyl ester)	**46**	**990**	**ND**				
2,4-Dinitrophenol	**384**	**5100**	**ND**				
2,4-Dinitrotoluene	**51**	**990**	**ND**				
2,6-Dinitrotoluene (2,6-DNT)	**48**	**990**	**ND**				
Fluoranthene	**24**	**990**	**ND**				
Fluorene	**42**	**990**	**ND**				
Hexachlorobenzene	**29**	**990**	**ND**				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	**47**	**990**	**ND**				
Hexachlorocyclopentadiene	**49**	**1980**	**ND**				
Hexachloroethane	**67**	**990**	**ND**				
Indeno(1,2,3-cd)pyrene	**50**	**990**	**ND**				
Isophorone	**60**	**990**	**ND**				
2-methyl-4,6-Dinitrophenol	**93**	**5100**	**ND**				
2-Methylnaphthalene	**57**	**990**	**ND**				
2-Methylphenol (o-Cresol, 2-Cresol)	**63**	**990**	**ND**				
4-Methylphenol (p-Cresol, 4-Cresol)	**67**	**990**	**ND**				
N-Nitroso-Di-n-propylamine	**68**	**990**	**ND**				
N-Nitrosodiphenylamine	**34**	**990**	**ND**				
Naphthalene	**56**	**990**	**ND**				
2-Nitroaniline	**50**	**5100**	**ND**				
3-Nitroaniline	**52**	**5100**	**ND**				
4-Nitroaniline	**38**	**5100**	**ND**				
Nitrobenzene (NB)	**56**	**990**	**ND**				
2-Nitrophenol (o-Nitrophenol)	**78**	**990**	**ND**				
4-Nitrophenol	**78**	**5100**	**ND**				
Pentachlorophenol	**68**	**5100**	**ND**				
Phenanthrene	**32**	**990**	**ND**				
Phenol	**50**	**990**	**ND**				

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
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ANALYTICAL RESULTS

Project ID: 2007-1299.1
Project Name: LAUSD 49th Street

ASL Job Number	Submitted	Client
35181	09/11/2007	LNDMRK

Method: 8270C, Semivolatile Organics

QC Batch No: 091407-1

Our Lab I.D.			**204141**				
Client Sample I.D.			49-1				
Date Sampled			**09/10/2007**				
Date Prepared			**09/14/2007**				
Preparation Method			**3550B**				
Date Analyzed			**09/14/2007**				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			3				
Analytes	**MDL**	**PQL**	**Results**				
Pyrene	**24**	**990**	**ND**				
1,2,4-Trichlorobenzene	**49**	**990**	**ND**				
2,4,5-Trichlorophenol	**70**	**990**	**ND**				
2,4,6-Trichlorophenol	**58**	**990**	**ND**				

Comment(s):
Dilution due to matrix.

Our Lab I.D.			**204141**				
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
2-Fluorophenol	**21-105**		**64**				
Phenol-d6	**10-107**		**65**				
2,4,6-Tribromophenol	**10-123**		**104**				
Nitrobenzene-d5	**35-114**		**103**				
2-Fluorobiphenyl	**18-116**		**104**				
Terphenyl-d14	**33-141**		**87**				

QUALITY CONTROL REPORT

QC Batch No: 091407-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Acenaphthene	**56**	**47**	**17.5**	**43-118**	**<30**	**103**	**103**	**<1**	**43-118**	**<30**
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	**68**	**60**	**12.5**	**23-117**	**<30**	**76**	**76**	**<1**	**23-117**	**<30**
2-Chlorophenol (o-Chlorophenol)	**30**	**40**	**28.6**	**27-123**	**<30**	**112**	**113**	**<1**	**27-123**	**<30**
1,4-Dichlorobenzene	**41**	**47**	**13.6**	**36-105**	**<30**	**84**	**80**	**4.9**	**36-105**	**<30**
2,4-Dinitrotoluene	**40**	**39**	**2.5**	**24-120**	**<30**	**104**	**89**	**15.5**	**24-120**	**<30**
N-Nitroso-Di-n-propylamine	**50**	**47**	**6.2**	**41-116**	**<30**	**74**	**73**	**1.4**	**41-116**	**<30**
4-Nitrophenol	**34**	**41**	**18.7**	**10-133**	**<30**	**115**	**89**	**25.5**	**10-133**	**<30**
Pentachlorophenol	**73**	**67**	**8.6**	**9-118**	**<30**	**99**	**84**	**16.4**	**9-118**	**<30**
Phenol	**31**	**33**	**6.3**	**12-110**	**<30**	**70**	**71**	**1.4**	**12-110**	**<30**
Pyrene	**58**	**59**	**1.7**	**26-127**	**<30**	**112**	**105**	**6.5**	**26-127**	**<30**
1,2,4-Trichlorobenzene	**44**	**56**	**24.0**	**39-98**	**<30**	**90**	**86**	**4.5**	**39-98**	**<30**

Weck Laboratories, Inc.
Analytical Laboratory Services - Since 1964

Report Date: Friday, September 28, 2007
Received Date: Wednesday, September 12, 2007
Received Time: 2:00 pm

Turnaround Time: Normal

Client: American Scientific Laboratories
2520 N. San Fernando Road
Los Angeles, CA 90065-1324

Phone: (323) 254-7700
FAX: (323) 223-9500

Attn: Molky Barar

Project: 35181

P.O.#:

Certificate of Analysis

Work Order No: 7091227-01 **Sample ID: 204141** **Matrix: Solid**
Sampled by: Client **Sampled: 09/10/07 00:00** **Sample Note:**

Analyte	Result	Qualifier	Units	Reporting Limit	Dil	Method	Prepared	Analyzed	Batch
Total Arsenic	**2.4**		mg/kg	0.50	1	EPA 6020	09/25/07	09/27/07 mpl	W7I1079
Total Thallium	**0.58**		mg/kg	0.50	1	EPA 6020	09/25/07	09/27/07 mpl	W7I1079

14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Weck Laboratories, Inc

Metals (Non-Aqueous) by EPA 6000/7000 Series Methods - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Batch W7I1079 - EPA 3050B									
Blank (W7I1079-BLK1)					Prepared: 09/25/07 Analyzed: 09/27/07				
Total Thallium		ND		mg/kg					
Total Arsenic		ND		mg/kg					
LCS (W7I1079-BS1)					Prepared: 09/25/07 Analyzed: 09/27/07				
Total Thallium		53.3		mg/kg	50.0	107	82-126		
Total Arsenic		51.8		mg/kg	50.0	104	66-117		
LCS Dup (W7I1079-BSD1)					Prepared: 09/25/07 Analyzed: 09/27/07				
Total Thallium		54.4		mg/kg	50.0	109	82-126	2	20
Total Arsenic		53.3		mg/kg	50.0	107	66-117	3	20
Matrix Spike (W7I1079-MS1)			**Source: 7091227-01**		Prepared: 09/25/07 Analyzed: 09/27/07				
Total Thallium	0.580	53.2		mg/kg	49.0	107	79-129		
Total Arsenic	2.42	56.9		mg/kg	49.0	111	59-123		
Matrix Spike Dup (W7I1079-MSD1)			**Source: 7091227-01**		Prepared: 09/25/07 Analyzed: 09/27/07				
Total Thallium	0.580	53.9		mg/kg	48.1	111	79-129	1	20
Total Arsenic	2.42	55.1		mg/kg	48.1	110	59-123	3	20

14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
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Certificate of Analysis

Authorized Signature

Contact: Kim G Tu (Project Manager)

ELAP # 1132
LACSD # 10143
NELAC # 04229CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Notes:
The Chain of Custody document is part of the analytical report.
Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless otherwise specified.
ND = NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL).
Sub = Subcontracted analysis, original report enclosed.
Dil = Dilution Factor
MDL = Method Detection Limit
MDA = Minimum Detectable Activity

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services.
The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).
For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

Flags for Data Qualifiers:

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CHAIN OF CUSTODY RECORD

7091227

Page _____ Of _____

CLIENT NAME: American Scientific Labs

PROJECT: 35181

ADDRESS: 2520 N San Fernando Road L.A CA 90065

PHONE #: 323 223 9700

FAX #: 323 223 9500

PROJECT MANAGER:

SAMPLER:

E MAIL:

P.O.#:

ANALYSIS REQUESTED

As & TL by 6020B (Tap/MS)

SPECIAL HANDLING

- ☐ Same Day Rush 150%
- ☐ 24 Hour Rush 100%
- ☐ 48 - 72 Hour Rush 75%
- ☐ 4 - 5 Day Rush 30%
- ☐ Rush Extraction 50%
- ☑ 10 - 15 Business Days
- ☑ QA/QC Package

Charges Will Apply For Weekends And Holidays

Method of Shipment _____

ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL TYPE	SAMPLE IDENTIFICATION/SITE LOCATION	# OF CONT.	As & TL by 6020B (Tap/MS)	COMMENTS
	9-10-07		Soil	204141		X	MB
							LCS + MS/MSD
							MDL/PQL
							(Site Specific MS/MSD req'd)

RELINQUISHED BY:		DATE / TIME	RECEIVED BY:	
SIGNATURE: Alex	PRINT NAME: Alex	9-12-07 1400	SIGNATURE	PRINT NAME
SIGNATURE	PRINT NAME		SIGNATURE	PRINT NAME
SIGNATURE	PRINT NAME		SIGNATURE	PRINT NAME

SAMPLE CONDITION:

Actual Temperature: 9.3°

Received On Ice	Y / N
Preserved	Y / N
Evidence Seals Present	Y / N
Container Attacked	Y / N
Preserved at Lab	Y / N

SAMPLE TYPE CODE:

AQ= Aqueous
NA= Non Aqueous
SL = Sludge
DW = Drinking Water
WW = Waste Water
RW = Rain Water
GW = Ground Water
SO = Soil
SW = Solid Waste
OL = Oil
OT = Other Matrix

PRESCHEDULED RUSH ANALYSES WILL TAKE PRIORITY OVER UNSCHEDULED RUSH REQUESTS. CLIENT AGREES TO TERMS AND CONDITIONS (SEE BACK OF THIS FORM).

SPECIAL REQUIREMENTS / BILLING INFORMATION

LAUSD School/Property Name	MATES Rank 60%	Title V Rank 10%	Freeway Rank 30%	Score	Final Rank
Central LA Area New HS #9*	2	8	40	14	1
Soto St	7	149	3	20	2
Puente Charter**	7	149	8	21.5	3
Lorena St	17	149	10	28.1	4
Animo De La Hoya HS Charter**	2	4	91	28.9	5
CityLife Downtown Charter**	2	20	91	30.5	6
2nd St	13	149	27	30.8	7
Metropolitan High (Cont)	7	53	91	36.8	8
Utah St	13	40	87	37.9	9
East LA High School #1*	13	37	91	38.8	10
Para Los Ninos Cht	10	77	91	41	11
Pt Fermin	1	149	91	42.8	12
Ford Blvd	31	149	33	43.4	13
Dena	17	63	91	43.8	14
Carmen Lomas Garza PC*	5	149	91	45.2	15
Maywood ES*	6	149	91	45.8	16
Heliotrope Ave	24	59	91	47.6	17
Jardin De La Infancia	10	149	91	48.2	18
9th St	10	149	91	48.2	18
Eastman Ave	31	149	52	49.1	20
Bridge St	13	149	91	50	21
Vernon City	29	55	91	50.2	22
De La Hoya Animo	17	149	91	52.4	23
Maple PC	41	22	91	54.1	24
Nevin Ave	20	149	91	54.2	25
20th St	20	149	91	54.2	25
Jefferson High	20	149	91	54.2	25
Central Region MS #7*	20	149	91	54.2	25
Animo Jackie Robinson Charter HS (GD#2)**	41	25	91	54.4	29
Trinity St	41	34	91	55.3	30
The Accelerated School	41	36	91	55.5	31
Alliance College Ready Academy HS #4	67	149	4	56.3	32
Nueva Vista	24	149	91	56.6	33
Fishburn Ave	24	149	91	56.6	33
Woodlawn Ave	24	149	91	56.6	33
Maywood Academy HS*	24	149	91	56.6	33
Friedman Occup Ctr	67	133	16	58.3	37
Loma Vista Ave	34	108	91	58.5	38
Pacific Boulevard School*	29	149	91	59.6	39
Amanecer PC*	31	149	91	60.8	40

*** School had a site-specific HRA conducted as part of New School Construction Program**

**** Non-District Property**

LAUSD School/Property Name	MATES Rank 60%	Title V Rank 10%	Freeway Rank 30%	Score	Final Rank
San Pedro St	67	107	37	62	41
Corona Ave	34	149	91	62.6	42
San Antonio	34	149	91	62.6	42
Nimitz Middle	34	149	91	62.6	42
Huntington Park ES*	34	149	91	62.6	42
Martha Escutia PC*	34	149	91	62.6	42
South Region MS #2	34	149	91	62.6	42
East Los Angeles Occup Ctr	85	29	42	66.5	48
Synergy Chtr	41	147	91	66.6	49
28th St	41	149	91	66.8	50
Wadsworth Ave	41	149	91	66.8	50
Adams Middle	41	149	91	66.8	50
Animo Jefferson Charter HS (GD#3)**	41	149	91	66.8	50
Central LA Area New MS #4*	41	149	91	66.8	50
Central Region ES #17*	41	149	91	66.8	50
Central Region ES #18*	41	149	91	66.8	50
Ricardo Lizarraga ES*	41	149	91	66.8	50
Downtown Value School	67	149	43	68	58
Olympic PC*	54	149	70	68.3	59
Camino Nuevo Chtr Acad**	54	149	91	74.6	60
NEW Academy - Sci & Arts	54	149	91	74.6	60
Esperanza	54	149	91	74.6	60
Gratts	54	149	91	74.6	60
10th St	54	149	91	74.6	60
Camino Nuevo Charter MS**	54	149	91	74.6	60
Mid-City Adult Basic Education	54	149	91	74.6	60
Los Angelitos Ch Ctr**	54	149	91	74.6	60
Central Region Gratts EEC*	54	149	91	74.6	60
John H. Liechty MS*	54	149	91	74.6	60
MacArthur Park PC*	54	149	91	74.6	60
Miguel Contreras Learning Complex*	54	149	91	74.6	60
Sunrise	76	149	49	75.2	72
Wilmington Skills Ctr	83	2	91	77.3	73
Island ES*	83	13	91	78.4	74
Bravo Med Mag High	85	7	91	79	75
Santee Education Complex*	67	126	91	80.1	76
Norwood St	67	149	91	82.4	77
Orthopaedic Medical Magnet High	67	149	91	82.4	77
Jefferson New Continuation HS #1*	67	149	91	82.4	77
Vista Hermosa HS*	130	15	17	84.6	80

***** **School had a site-specific HRA conducted as part of New School Construction Program**

****** **Non-District Property**

LAUSD School/Property Name	MATES Rank 60%	Title V Rank 10%	Freeway Rank 30%	Score	Final Rank
Murchison St	85	70	91	85.3	81
Bell Education Center*	75	149	91	87.2	82
Breed St	76	149	91	87.8	83
Euclid Ave	76	149	91	87.8	83
1st St	76	149	91	87.8	83
Hollenbeck Middle	76	149	91	87.8	83
Stevenson Middle	76	149	91	87.8	83
Roosevelt High	76	149	91	87.8	83
Wilmington Park	100	10	91	88.3	89
Huntington Park High	85	143	91	92.6	90
Ann St	101	48	91	92.7	91
Pacific Blvd Spec Ed Ctr	85	149	91	93.2	92
Evergreen Ave	85	149	91	93.2	92
Malabar St	85	149	91	93.2	92
Middleton St	85	149	91	93.2	92
Miles Ave	85	149	91	93.2	92
Sheridan St	85	149	91	93.2	92
Gage Middle	85	149	91	93.2	92
Alliance/Huntington Park College Ready Academy**	85	149	91	93.2	92
Aspire/Huntington Park Charter Academy**	85	149	91	93.2	92
Middleton Primary Center*	85	149	91	93.2	92
South Region HS #7*	85	149	91	93.2	92
Downtown Bus Mag High	130	149	6	94.7	103
Solano Ave	101	149	70	96.5	104
Animo Downtown HS Charter**	101	94	91	97.3	105
KIPP LA College Prep Charter MS**	101	96	91	97.5	106
Albion St	101	99	91	97.8	107
Marianna Ave	112	149	55	98.6	108
32nd St Magnet	125	3	91	102.6	109
Kipp LA College Prep	101	149	91	102.8	110
Perez Spec Ed Ctr	149	149	1	104.6	111
East LA Star Adult Education*	112	149	76	104.9	112
15th St	107	140	91	105.5	113
Cabrillo Ave	107	149	91	106.4	114
Dana Middle	107	149	91	106.4	114
Port of Los Angeles HS	107	149	91	106.4	114
Alexander Jr. Science Center*	125	47	91	107	117
Plasencia	130	149	47	107	117
Dominguez	111	149	91	108.8	119
Belvedere	112	149	91	109.4	120

***** **School had a site-specific HRA conducted as part of New School Construction Program**

****** **Non-District Property**

LAUSD School/Property Name	MATES Rank 60%	Title V Rank 10%	Freeway Rank 30%	Score	Final Rank
Hammel St	112	149	91	109.4	120
Rowan Ave	112	149	91	109.4	120
Belvedere Middle	112	149	91	109.4	120
Ramona High (Opp)	112	149	91	109.4	120
Central Region EEC #2*	112	149	91	109.4	120
Humphreys Ave	149	149	21	110.6	126
Evans Adult	130	149	59	110.6	127
Harrison	137	86	73	112.7	128
Hamasaki	149	149	30	113.3	129
Ascot Ave	120	149	91	114.2	130
Arco Iris Pri Ctr	120	149	91	114.2	130
Holmes Ave	120	149	91	114.2	130
Hooper Ave	120	149	91	114.2	130
Roberti Ch Ctr**	120	149	91	114.2	130
South Region HS #2*	137	51	91	114.6	135
Harbor Occ Ctr	135	149	64	115.1	136
Menlo Ave	125	149	91	117.2	137
Weemes	125	149	91	117.2	137
Manual Arts High	125	149	91	117.2	137
Barton Hill	135	149	79	119.6	140
Castelar	130	149	91	120.2	141
Van Deene Ave	148	149	63	122.6	142
Kennedy	137	145	91	124	143
City Terrace	137	149	91	124.4	144
Florence Ave	137	149	91	124.4	144
Lillian St	137	149	91	124.4	144
Miramonte	137	149	91	124.4	144
Edison Middle	137	149	91	124.4	144
Eastside Learning Center	137	149	91	124.4	144
Central Region ES #19 and EEC*	137	149	91	124.4	144
South Region ES #2*	137	149	91	124.4	144
Lane	149	98	91	126.5	152
Dorris Pl	196	96	13	131.1	153
Ft MacArthur*	149	149	91	131.6	154
San Pedro Skills Center	149	149	91	131.6	154
Brooklyn Ave	149	149	91	131.6	154
4th St	149	149	91	131.6	154
Leland St	149	149	91	131.6	154
White Point	149	149	91	131.6	154
Griffith Middle	149	149	91	131.6	154

*** School had a site-specific HRA conducted as part of New School Construction Program**

**** Non-District Property**

LAUSD School/Property Name	MATES Rank 60%	Title V Rank 10%	Freeway Rank 30%	Score	Final Rank
Garfield High	149	149	91	131.6	154
4th St. New PC*	149	149	91	131.6	154
Camino Nuevo Charter HS**	170	149	68	137.3	163
Camino Nuevo HS Charter**	170	149	68	137.3	163
Nueva Esperanza Chtr**	162	149	91	139.4	165
Politi	162	149	91	139.4	165
McArthur Park Pri Ctr	162	149	91	139.4	165
Hoover St	162	149	91	139.4	165
Magnolia Ave	162	149	91	139.4	165
Berendo Middle	162	149	91	139.4	165
Charles White ES*	162	149	91	139.4	165
Mariposa-Nabi PC*	162	149	91	139.4	165
Central LA New Learning Center #1 MS/HS*	170	149	91	144.2	173
Metropolitan Skills Ctr	170	149	91	144.2	173
White	170	149	91	144.2	173
Lafayette Park PC	170	149	91	144.2	173
Commonwealth Ave	170	149	91	144.2	173
White House Pl Pri Ctr	170	149	91	144.2	173
Virgil Middle	170	149	91	144.2	173
Central City Value	170	149	91	144.2	173
LA Leadership Academy Charter**	170	149	91	144.2	173
Central City Value School	170	149	91	144.2	173
Central LA Area New MS #3*	170	149	91	144.2	173
Frank del Olmo ES*	170	149	91	144.2	173
Los Angeles Leadership Academy Charter**	170	149	91	144.2	173
Multnomah St	187	104	91	149.9	186
Lincoln High	187	115	91	151	187
East Los Angeles Skills Ctr	187	119	91	151.4	188
Annalee Ave	185	149	91	153.2	189
Broadacres Ave	185	149	91	153.2	189
Gates St	187	138	91	153.3	191
135th St	212	146	40	153.8	192
Griffin Ave	187	149	91	154.4	193
Los Angeles Academy Middle	201	87	91	156.6	194
Wilmington Middle	192	149	91	157.4	195
Fries Ave	192	149	91	157.4	195
Gulf Ave	192	149	91	157.4	195
Banning High	192	149	91	157.4	195
Clifford St	196	149	89	159.2	199
Elysian Heights	196	149	91	159.8	200
Logan St	196	149	91	159.8	200
Berkeley Ave Ch Ctr	196	149	91	159.8	200

***** **School had a site-specific HRA conducted as part of New School Construction Program**

****** **Non-District Property**

Baader Environmental Services
1489 Stonebrook Street
Azusa, California 91702
P 626-712-0589
F 626-609-0407

October 30, 2008
Project No. 2008-16
Via E-mail

Ms. Prudence Boczarski-Daniel
Los Angeles Unified School District
Office of Environmental Health & Safety
1055 West 7th Street, 10th Floor
Los Angeles, California 90017

Re: Soil Certification Report Phase II, LAUSD 49th Street Elementary School, 750 East 49th Street, Los Angeles, California 90011

Dear Ms. Boczarski-Daniel:

Baader Environmental Services (BE) has prepared this report to summarize the results of soil characterization, including soil sampling and laboratory analysis, at the referenced site. The work was conducted in accordance with BE's *Sampling Strategy Plan for Stockpile Soil Characterization* (SSP) dated October 15, 2008, approved by the Los Angeles Unified School District's (LAUSD), the LAUSD *Environmental Import/Export Materials Testing Section 01440* dated January 31, 2006, and the LAUSD e-mail correspondence detailing revised sampling procedures dated June 18, 2008. This *Soil Certification Report* is based on the LAUSD's requirements for sampling, testing, and certification of imported or exported soil materials for school sites.

Background

During construction at the referenced LAUSD school site, soil and base material was excavated and stockpiled by the LAUSD contractor, Enterprise Construction, Inc., to prepare the surface for new paving. The excavated and stockpiled soil was placed in the playground of the school site near 50th Street and covered with plastic sheeting.

Originally, as proposed in the SSP, approximately 250 cubic yards were estimated. However, prior to soil sampling, the stockpile was re-measured and determined to contain as much as 700 cubic yards. Based on Table 1: Minimum Sampling Frequency (LAUSD Guidance Section 01440), one sample for each 250 cubic yards is required for a volume of up to 1,000 cubic yards. Therefore, BE collected three composite samples. Prior to reuse of the excavated material, laboratory analysis is required to determine whether the soil can be used at a LAUSD school site or requires transportation to an off-site disposal facility. The report herein summarizes the procedures for sampling and analysis of the stockpiled soil, as well as BE's findings, conclusions, and recommendations.

Soil Sampling

On October 15, 2008 BE collected three soil samples from the stockpile temporarily stored in the southwestern area of the school property. BE collected each composite grab sample from a minimum of two locations at the bottom and one at the top at approximately 3 feet below the surface of the stockpiled soil. The composite samples were mixed and each was preserved in two 9-ounce glass container sealed with Teflon-lined lids and En Core® samplers by EPA Method 5035.

The containers were labeled with the sample identification number. The samples were recorded on a chain-of-custody record identifying the sampler, date, time, couriers used, responsible laboratory personnel, and requested analyses. The samples were then stored on ice at 4°C and immediately

transported to a state-certified laboratory. Details of the stockpile and soil sample locations are indicated on Figure 1, Attachment A.

Chemical Analysis

The soil samples retained for chemical analysis were submitted to American Scientific Laboratories, LLC, a state-certified laboratory, and analyzed for total petroleum hydrocarbons as gasoline, diesel, and oil (TPH[g], TPH[d], TPH[o]), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), organochlorine pesticides (OCPs), organophosphorous compounds, chlorinated herbicides, California Code of Regulations Title 22, California Assessment Manual (CAM) metals, arsenic, thallium, and hexavalent chromium.

The table below summarizes the sampling and laboratory analysis schedule for the stockpile samples. See Table 1, Attachment B, for a summary of laboratory analytical data and Attachment C for a copy of the laboratory report and chain-of-custody record.

Sampling Schedule for Laboratory Analysis of Stockpiled Soil

Location	*Contaminant(s) of Concern*	*Laboratory Analysis for Soil Samples*	*Number of Analyses*
Stockpile	TPH(g)	EPA Method 8260B	1 each per sample
	TPH(d) & TPH(o)	EPA Method 8015B	
	VOCs	EPA Method 8260B	
	SVOCs	EPA Method 8270C	
	Organochlorine pesticides	EPA Method 8081A	
	PCBs	EPA Method 8082	
	Organophosphorus compounds	EPA Method 8141A	
	Chlorinated herbicides	EPA Method 8151A	
	Title 22 CAM metals	EPA Method 6010B/7471A	
	STLC lead	EPA Method 6010B	
	TCLP lead	EPA Method 6010B	
	Hexavalent chromium	EPA Method 7199	
	Arsenic and Thallium	EPA Method 6020B	

Findings and Conclusions

- Approximately 700 cubic yards of soil and/or base material were excavated and temporarily stockpiled on the school property by the LAUSD contractor.

- Metals analysis identified the presence of 13 metals at concentrations above laboratory practical quantitation limits (PQLs) in the samples (three additional metals were reported at an estimated concentration above the laboratory method detection limits and below the PQLs). All reported metals are below their respective Total Threshold Limit Concentrations (TTLC) and none of the concentrations exceed their respective State and Federal health-risk based screening levels for use in residential soil, aside from arsenic and lead.

  - The maximum reported arsenic concentration of 11 milligrams per kilogram (mg/kg), in composite sample SP2, exceeds the United States Environmental Protection Agency (USEPA) Preliminary Remediation Goal (PRG) for residential soil of 0.062 mg/kg and the screening level set forth in LAUSD Guidance Section 01440 of 6.0 mg/kg. However, the arsenic concentration is below the screening level of 12.0 mg/kg applied by the LAUSD throughout the District. The screening level is based on the Department of Toxic Substances Control (DTSC) *Arsenic Strategies - Determination of Arsenic Remediation, Development of Arsenic Cleanup Goals For Proposed and Existing School Sites* dated March 21, 2007.

  - Lead concentrations ranged from 50.5 mg/kg to the maximum reported concentration of 85.6 mg/kg, detected in composite sample SP1. These concentrations are less than the DTSC

screening level of 255 mg/kg. However, lead concentrations exceeding 50 mg/kg require further analysis for the leaching potential of lead. Therefore, BE recommended to analyze all samples for the Soluble Threshold Limit Concentration (STLC) and Toxic Characteristic Leaching Procedure (TCLP) in accordance with the procedures in Title 22 of the *California Code of Regulations* to determine the appropriate waste classification and whether the soil will be disposed of as non-hazardous, California-designated hazardous, or RCRA-hazardous waste.

- Based on laboratory results, the STLC regulatory limit for lead of 5 milligrams per liter (mg/l) was exceeded in one of the three composite samples (SP1, 5.50 mg/l). All three samples were also analyzed for TCLP of lead to determine whether the stockpiled soil would be a RCRA-hazardous waste. Based on the laboratory results, soluble lead concentrations were below the laboratory detection limits in all samples. Based on the STLC and TCLP results, the soil was classified as non-RCRA, California-designated hazardous waste. The laboratory results for STLC and TCLP are summarized in Table 1 and provided in Attachment C.

- Concentrations of the OCPs alpha- and gamma-chlordane, dichloro-diphenyl-dichloroethane (DDD), dichloro-diphenyl-dichloroethylene (DDE), dichloro-diphenyl-trichloroethane (DDT), and dieldrin were detected in the samples at low and estimated concentrations well below the screening values based on the California Human Health Screening Levels (CHHSLs; Cal/EPA, 2006) for OCPs. No other OCPs with concentrations exceeding the CHHSLs were detected at or above the PQLs.

- No TPH(g) was reported by the laboratory in the composite samples. TPH(d) and TPH(o) was reported at low and estimated concentrations well below the California Regional Water Quality Control Board (CRWQCB) Maximum Soil Screening Levels of 100 mg/kg for diesel and 1,000 mg/kg for heavy range hydrocarbons and the acceptance criteria level specified in LAUSD Section 01440 of 1,000 mg/kg for diesel and heavy range hydrocarbons.

- Concentrations of the PCB aroclor-1260 were detected in two of the samples (SP2 and SP3) at elevated concentrations (785 and 491 micrograms per kilogram [µg/kg]) exceeding the screening values based on the California Human Health Screening Levels (CHHSLs; Cal/EPA, 2006) for PCBs (89 µg/kg). No other PCBs with concentrations exceeding the CHHSLs were detected at or above the PQLs.

- No VOCs, SVOCs, organophosphorus compounds, or chlorinated herbicides were detected at or above the PQLs.

- Analytical results of the stockpile sample have been compared to hazardous waste disposal threshold criteria, state, federal and DTSC health-risk based screening levels, and to criteria presented in LAUSD Guidance Section 01440. Results of the sample analyses indicate that all constituents are below their respective TTLC concentrations except lead. Based on the reported STLC result for lead of 5.50 mg/l, exceeding the regulatory threshold of 5.0 mg/l, the stockpiled soil is considered non-RCRA, California-designated hazardous waste for disposal purposes.

- Based on the laboratory analytical results of the composite samples collected from the stockpiled soil, and local, state and federal guidelines, the soil is not eligible for reuse at any LAUSD school site or other sites with lead concentrations above 5.0 mg/l.

Recommendations

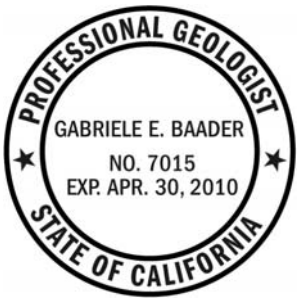
Based on the findings and conclusions, BE recommends disposing the soil excavated and stockpiled at a non-RCRA, California-designated hazardous waste facility. The analytical data must be presented to potential disposal facilities for profiling and acceptance.

Statement of Limitations

The services described in this report were performed in a manner consistent with Baader Environmental's agreement with the client and in accordance with generally accepted professional consulting principles and practices. Opinions and recommendations contained in this report apply to conditions existing at certain locations when services were performed and are intended only for the specific purposes, locations, time frames, and project parameters indicated. Baader Environmental cannot be responsible for the impact of any changes in environmental standards, practices, or regulations after performance of services. Any use of this report by a third party is expressly prohibited without a written, specific authorization from the client and Baader Environmental. Such authorization will require a signed waiver and release agreement. This report is issued with the understanding that the client, the property owner, or its representative is responsible for ensuring that the information, conclusions and recommendations contained herein are brought to the attention of the appropriate regulatory agencies, as required.

Please call us at 626-712-0589 if you have any questions.

Sincerely,



Gabriele E. Baader, PG
Principal Geologist
Professional Geologist
Registered Environmental Assessor No. REA-06248

GEB:geb\R1

Attachments:
- A Figure 1
- B Table 1
- C Laboratory Report and Chain-of-Custody Record

cc: Addressee (PDF)
Rosendo Plasencia, LAUSD OAR (PDF)
Andy Ghaemi, Enterprise Construction, Inc. (PDF)

References

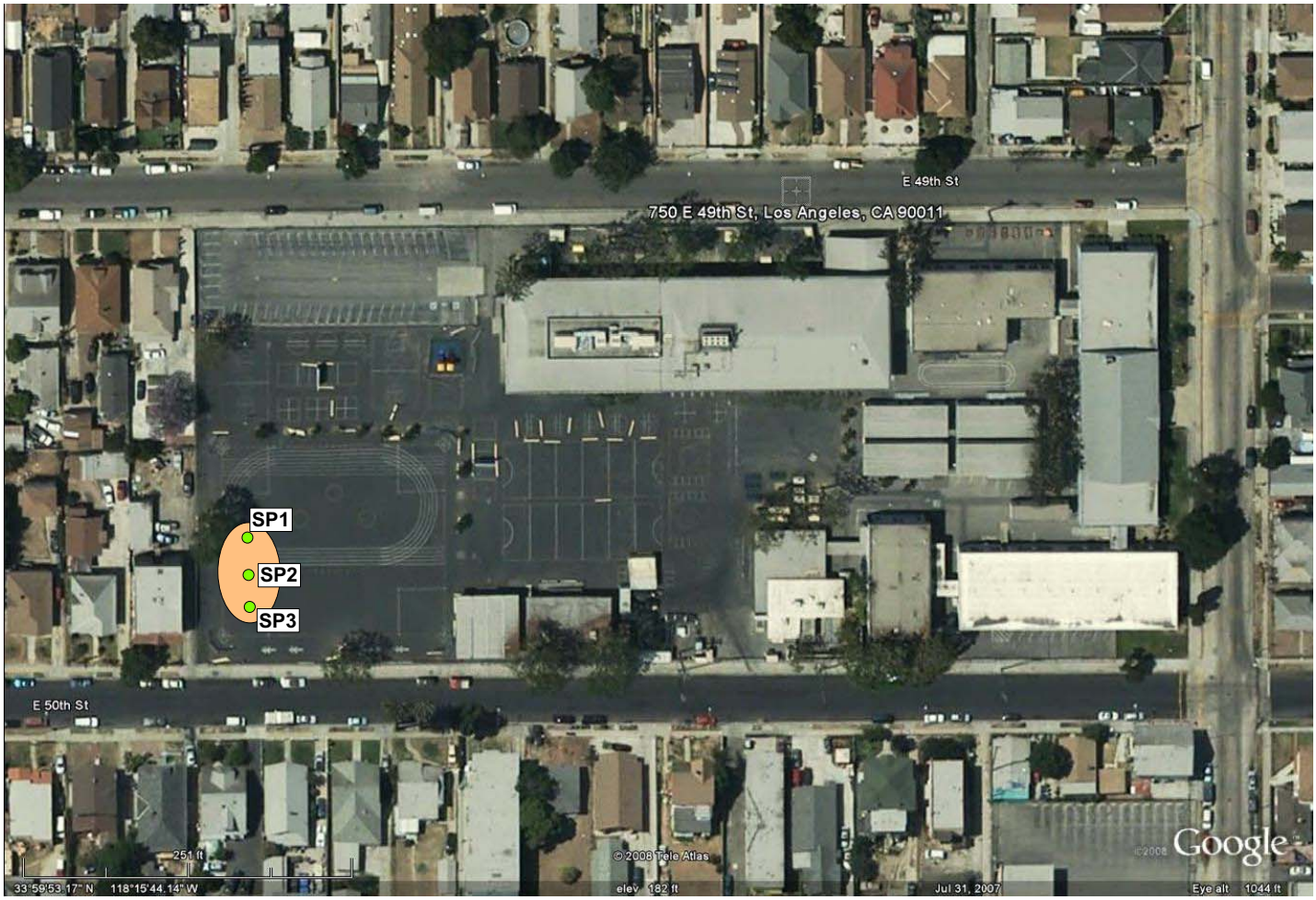
1. Cal/EPA, *Interim Guidance, Evaluation of School Sites with Potential Soil Contamination As A Result of Lead From Lead-Based Paint, Organochlorine Pesticides From Termiticides, and Polychlorinated Biphenyls From Electrical Transformers*, Department of Toxic Substances Control, Sacramento, California, June 9, 2006.

2. USEPA 2004b, *Region 9 Preliminary Remediation Goals Table 2004 Update*, Environmental Protection Agency – Region 9, San Francisco, California, 2004.

3. Cal/EPA, *Arsenic Strategies, Determination of Arsenic Remediation, Development of Arsenic Cleanup Goals For Proposed and Existing School Sites,* Department of Toxic Substances Control, Sacramento, California, March 21, 2007.

ATTACHMENT A

Figure 1



SP3 Soil sample by BE (10/15/08)

Stockpiled soil

N

0 50 100

APPROXIMATE SCALE IN FEET

FIGURE 1

STOCKPILE AND SOIL SAMPLE LOCATIONS

LAUSD 49th Street Elementary School
750 East 49th Street
Los Angeles, California 90011

Baader Environmental Services
1489 Stonebrook Street, Azusa, California 91702
P (626) 712-0589, F (626) 609-0407
BE Project Number 2008-16

ATTACHMENT B

Table 1

Table 1 Soil Analytical Results October 15, 2008						
Analyte	**EPA Method**	**SP1**	**SP2**	**SP3**	**PQL**	**EPA Residential PRG in Soil**
TPH(g) (µg/kg)	8260B	<200	<200	<200	500	100‡
TPH(d) (mg/kg)	8015B	27.8	<1.00	<1.00	10	100‡
TPH(o) (mg/kg)	8015B	19.5J	34.6J	42.8J	50	1,000‡
Toluene (µg/kg)	8260B	<1.00	<1.00	<1.00	2.0	50***
Other VOCs (µg/kg)	8260B	<2-<50	<2-<50	<2-<50	2–50	Various
Bis(2-ethylhexyl)phthalate (µg/kg)	8270C	<22.2	<22.2	<22.2	660	35,000
Other SVOCs (µg/kg)	8270C	<330–<1,700	<330–<1,700	<330–<1,700	330–1,700	Various
Gamma-Chlordane (µg/kg)	8081A	2.85	12.2	6.82	2.00	430**
Alpha-Chlordane (µg/kg)	8081A	1.90J	7.07	2.83	2.00	430**
4,4'-DDD (µg/kg)	8081A	0.290J	2.31J	<0.270	4.00	2,300**
4,4'-DDE (µg/kg)	8081A	4.21	3.56J	1.86J	4.00	1,600**
4,4'-DDT (µg/kg)	8081A	3.44J	<0.220	<0.200	4.00	1,600**
Dieldrin (µg/kg)	8081A	2.08J	<0.200	6.02	4.00	35**
Other Organochlorine Pesticides (µg/kg)	8081A	<2-<170	<2-<170	<2-<170	2–170	Various
PCB Aroclor-1260 (µg/kg)	8082	<2.10	785	491	33–67	89**
Other Polychlorinated biphenyls (µg/kg)	8082	<33–<67	<33–<67	<33–<67	33–67	Various
Organophosphorous Compounds (µg/kg)	8141A	<5–<10	<5–<10	<5–<10	5–10	Various
Chlorinated Herbicides (µg/kg)	8151A	<0.50–<200	<0.50–<200	<0.50–<200	0.50–200	Various
Antimony (mg/kg)	6010B	0.727	0.553	0.814	0.50	31/30**
Arsenic (mg/kg)	6010B	1.54	10.9	3.10	0.25	†
Arsenic (mg/kg)	6020B	2.2	11	3.7	0.50	†
Barium (mg/kg)	6010B	107	122	114	0.50	5,400/5,200**
Beryllium (mg/kg)	6010B	0.195J	0.220J	0.201J	0.50	150/150**
Cadmium (mg/kg)	6010B	0.677	0.858	0.687	0.50	37/1.7**
Chromium Total (mg/kg)	6010B	10.3	11.7	10.8	0.50	210/100,000**
Chromium VI (mg/kg)	7199	<0.100	<0.100	0.120J	0.50	30/17**
Cobalt (mg/kg)	6010B	6.35	6.86	6.24	0.50	900/660**
Copper (mg/kg)	6010B	19.3	18.8	20.0	0.50	3,100/3,000**
Lead (mg/kg) TTLC	6010B	85.6	50.5	54.5	0.25	255†/50*/150**
Lead (mg/l) STLC	6010B	5.50	3.05	3.21	0.25	5.0
Lead (mg/l) TCLP	6010B	<0.500	<0.500	<0.500	0.25	5.0
Mercury (mg/kg)	7471A	0.754	0.370	0.338	0.05	23/18**
Molybdenum (mg/kg)	6010B	<0.0500	<0.0500	<0.0500	0.50	390/380**
Nickel (mg/kg)	6010B	9.57	9.91	9.28	0.50	1,600/1600**
Selenium (mg/kg)	6010B	<0.200	<0.200	<0.200	0.50	390/380*
Silver (mg/kg)	6010B	0.203J	0.280J	0.116J	0.50	390/380**
Thallium (mg/kg)	6010B	<0.150	<0.150	<0.150	0.50	5.2/5.0**
Thallium (mg/kg)	6020B	0.35	0.25	0.23	0.50	5.2/5.0**
Vanadium (mg/kg)	6010B	26.8	27.4	25.9	0.50	78/530**
Zinc (mg/kg)	6010B	127	124	114	0.50	23,000/23,000**

Notes:

TPH(g) = Total petroleum hydrocarbons as gasoline
TPH(d) = Total petroleum hydrocarbons as diesel
TPH(o) = Total petroleum hydrocarbons as oil
VOCs = Volatile organic compounds
SVOCs = Semi-volatile organic compounds
DDD = Dichloro-diphenyl-dichloroethane
DDE = 1,1-bis-(4-chlorophenyl)-2,2-dichloroethene
DDT = 4,4'-(2,2,2-trichloroethane-1,1-diyl)bis(chlorobenzene)
PCB = Polychlorinated biphenyl
(Notes continued on next page)

TTLC	=	Total threshold limit concentration
STLC	=	Soluble threshold limit concentration
TCLP	=	Toxic characteristic leaching procedure
mg/kg	=	Milligrams per kilogram
mg/l	=	Milligrams per liter
µg/kg	=	Micrograms per kilogram
ND	=	Not detected
PQL	=	Practical quantitation limit
J	=	Estimated value between method detection limit and PQL
PRG	=	USEPA Region IX Residential Preliminary Remediation Goals (EPA 2004) <http://www.epa.gov/Region9/waste/sfund/prg/files/04prgtable.pdf>
*	=	LAUSD limit requiring further analysis for leaching potential
**	=	California Human Health Screening Level for residential land use (Cal/EPA January 2005)
***	=	City of Los Angeles Fire Department Minimum Action Levels
†	=	Site-specific (Cal/EPA/DTSC, March 21, 2007)
‡	=	No EPA PRG Established for TPH

ATTACHMENT C

Laboratory Report and Chain-of-Custody Record

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
2520 N. San Fernando Rd., Los Angeles, CA 90065 Tel: (323) 223-9700 Fax: (323) 223-9500

Ordered By

Baader Environmental
1489 Stonebrook Street
Azusa, CA 91702-

Telephone (626)712-0589
Attn Gabriele Baader

Number of Pages 23
Date Received 10/16/2008
Date Reported 10/27/2008

Job Number	Ordered	Client
39501	10/16/2008	BAADER

Project ID: 2008-16
Project Name: LAUSD 49th S. ES
Site: 750 East 49th Street
Los Angeles, CA 90011

Enclosed are the results of analyses on 3 samples analyzed as specified on attached chain of custody.

Amolk MOLKY Brar
Laboratory Manager

Rojert G. Araghi
Laboratory Director

American Scientific Laboratories, LLC (ASL) accepts sample materials from clients for analysis with the assumption that all of the information provided to ASL verbally or in writing by our clients (and/or their agents), regarding samples being submitted to ASL, is complete and accurate. ASL accepts all samples subject to the following conditions:

1) ASL is not responsible for verifying any client-provided information regarding any samples submitted to the laboratory.
2) ASL is not responsible for any consequences resulting from any inaccuracies, omissions, or misrepresentations contained in client-provided information regarding samples submitted to the laboratory.

Chain-of-Custody Record

ASL JOB # 39501 **Sheet** 1 **of** 1

Baader Environmental Services

1489 Stonebrook Street
Azusa, California 91702
P 626-712-0589, F 626-609-0407

Project No./Name 2008-16, Enterprise Construction, LAUSD 49th S. ES

EDF: Yes ☐ No ☑

Sampling Location 750 East 49th Street, Los Angeles, California 90011

Global ID

Project Mgr. Gabriele Baader **e-mail results:** BaaderEnv@charter.net

Sampled by Gabriele Baader **e-mail results:**

P.O. # **Lab Name** ASL **ASTM** ☑ **Level II QC** ☑ **Raw QC data** ☐ **MS/MSD** ☑ **EDD-Excel** ☐

SAMPLE ID	DATE	TIME	MATRIX	CONTAINER Quantity	CONTAINER Size/Type	CONTAINER Preservative	Analyses by EPA Method: TPH(d) by 8015	TPH(g)/VOCs by 8260B	SVOCs by 8270C	PCBs by 8082	OCPs by 8081A	OPPs by 8141A	CHs by 8151A	Metals (15) by 6010B/7470A	CR(VI) by 7199	Arsenic/Thallium by 6020	Lead by 6010B STLC+TCLP	Lab I.D.	NOTES
SP1	10/15		SOIL	5	GLASS/Encore	ICE	X	X	X	X	X	X	X	X	X	X	✓	226447	Normal TAT
SP2	"		"	5	"	"	X	X	X	X	X	X	X	X	X	X	✓	226448	
SP3	"		"	5	"	"	X	X	X	X	X	X	X	X	X	X	✓	226449	

Relinquished by:	Date/Time	Received by:	Date/Time
[signature]	10/16 9:10	[signature]	10/16/08 9:10
Relinquished by:	Date/Time	Received by:	Date/Time
Relinquished by:	Date/Time	Received by:	Date/Time

Sample Turnaround:

☒ Normal ☐ 24 Hours

☑ 48 Hours ☐ 3 Days

☐ Results Due: _____

Laboratory use only

Sample conditions on receipt: _____

Additional comments: ADDRESS: 10-23

RUSH Due: 10-28

AMERICAN SCIENTIFIC LABORATORIES, LLC
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ANALYTICAL RESULTS

Ordered By

Baader Environmental
1489 Stonebrook Street
Azusa, CA 91702-

Site

750 East 49th Street
Los Angeles, CA 90011

Telephone: (626)712-0589
Attn: Gabriele Baader

Page: **2**

Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)

QC Batch No: 101708-1

Our Lab I.D.			Method Blank	226447	226448	226449	
Client Sample I.D.				SP1	SP2	SP3	
Date Sampled				10/15/2008	10/15/2008	10/15/2008	
Date Prepared			10/17/2008	10/17/2008	10/17/2008	10/17/2008	
Preparation Method			3050B	3050B	3050B	3050B	
Date Analyzed			10/17/2008	10/17/2008	10/17/2008	10/17/2008	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
AA Metals							
Mercury	0.0100	0.0500	ND	0.754	0.370	0.338	
ICP Metals							
Antimony	0.200	0.500	ND	0.727	0.553	0.814	
Arsenic	0.150	0.250	ND	1.54	10.9	3.10	
Barium	0.0500	0.500	ND	107	122	114	
Beryllium	0.0400	0.500	ND	0.195J	0.220J	0.201J	
Cadmium	0.0400	0.500	ND	0.677	0.858	0.687	
Chromium	0.0500	0.500	ND	10.3	11.7	10.8	
Cobalt	0.0500	0.500	ND	6.35	6.86	6.24	
Copper	0.0500	0.500	ND	19.3	18.8	20.0	
Lead	0.100	0.250	ND	85.6	50.5	54.5	
Molybdenum	0.0500	0.500	ND	ND	ND	ND	
Nickel	0.100	0.500	ND	9.57	9.91	9.28	
Selenium	0.200	0.500	ND	ND	ND	ND	
Silver	0.0500	0.500	ND	0.203J	0.280J	0.116J	
Thallium	0.150	0.500	ND	ND	ND	ND	
Vanadium	0.0500	0.500	ND	26.8	27.4	25.9	
Zinc	0.350	0.500	ND	127	124	114	

Comment(s):
Sb MS/MSD did not meet % limits, LCS within limits.

QUALITY CONTROL REPORT

QC Batch No: 101708-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS/LCSD % Limit			
AA Metals										
Mercury	101	101	<1	70-130	30	101	80-120			
ICP Metals										

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ANALYTICAL RESULTS

Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 6010B/7471A, CCR Title 22 Metals (TTLC)
QUALITY CONTROL REPORT

QC Batch No: 101708-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS/LCSD % Limit			
ICP Metals										
Antimony	63	63	<1	70-130	30	102	80-120			
Arsenic	99	97	1.6	70-130	30	102	80-120			
Barium	94	92	2.5	70-130	30	111	80-120			
Beryllium	107	106	<1	70-130	30	111	80-120			
Cadmium	99	98	1.2	70-130	30	102	80-120			
Chromium	99	98	1.1	70-130	30	104	80-120			
Cobalt	97	96	1.3	70-130	30	104	80-120			
Copper	103	102	<1	70-130	30	104	80-120			
Lead	88	86	3.0	70-130	30	104	80-120			
Molybdenum	99	98	<1	70-130	30	103	80-120			
Nickel	98	97	<1	70-130	30	104	80-120			
Selenium	99	98	1.4	70-130	30	103	80-120			
Silver	100	99	<1	70-130	30	112	80-120			
Thallium	94	93	1.3	70-130	30	103	80-120			
Vanadium	100	98	1.8	70-130	30	102	80-120			
Zinc	108	105	2.8	70-130	30	107	80-120			

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ANALYTICAL RESULTS

Ordered By

Baader Environmental
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Azusa, CA 91702-

Telephone: (626)712-0589
Attn: Gabriele Baader

Site

750 East 49th Street
Los Angeles, CA 90011

Page: **4**

Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 7199, Hexavalent Chromium by Ion Chromatography

QC Batch No: 101608-1

Our Lab I.D.			Method Blank	226447	226448	226449	
Client Sample I.D.				SP1	SP2	SP3	
Date Sampled				10/15/2008	10/15/2008	10/15/2008	
Date Prepared			10/16/2008	10/16/2008	10/16/2008	10/16/2008	
Preparation Method			3060A	3060A	3060A	3060A	
Date Analyzed			10/16/2008	10/16/2008	10/16/2008	10/16/2008	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Conventionals							
Chromium (VI)	0.100	0.500	ND	ND	0.120J	ND	

QUALITY CONTROL REPORT

QC Batch No: 101608-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS/LCSD % Limit			
Conventionals										
Chromium (VI)	97	95	2.1	75-125	<25	96	80-120			

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ANALYTICAL RESULTS

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Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 8015B, TPH DROs and OROs (Diesel and Oil Range Organics)

QC Batch No: 101708-1D

Our Lab I.D.			Method Blank	226447	226448	226449	
Client Sample I.D.				SP1	SP2	SP3	
Date Sampled				10/15/2008	10/15/2008	10/15/2008	
Date Prepared			10/17/2008	10/17/2008	10/17/2008	10/17/2008	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			10/17/2008	10/17/2008	10/17/2008	10/17/2008	
Matrix			Soil	Soil	Soil	Soil	
Units			mg/Kg	mg/Kg	mg/Kg	mg/Kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH DROs (C10 to C28)	1.00	10.0	ND	27.8	ND	ND	
TPH OROs (C28+)	17.0	50.0	ND	19.5J	34.6J	42.8J	

Our Lab I.D.				226447	226448	226449	
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery							
Chlorobenzene	70-120		82	116	72	79	

QUALITY CONTROL REPORT

QC Batch No: 101708-1D

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS/LCSD % Limit			
Diesel	96	95	1.0	75-120	<20	114	75-120			

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ANALYTICAL RESULTS

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750 East 49th Street
Los Angeles, CA 90011

Page: 6

Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 8081A, Organochlorine Pesticides

QC Batch No: 101708-1

Our Lab I.D.			Method Blank	226447	226448	226449	
Client Sample I.D.				SP1	SP2	SP3	
Date Sampled				10/15/2008	10/15/2008	10/15/2008	
Date Prepared			10/17/2008	10/17/2008	10/17/2008	10/17/2008	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			10/17/2008	10/17/2008	10/17/2008	10/17/2008	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Aldrin	0.230	2.00	ND	ND	ND	ND	
alpha-Hexachlorocyclohexane (Alpha-BHC)	0.270	2.00	ND	ND	ND	ND	
Beta-Hexachlorocyclohexane (Beta-BHC)	0.370	2.00	ND	ND	ND	ND	
Gamma-Chlordane	0.190	2.00	ND	2.85	12.2	6.82	
alpha-Chlordane	0.200	2.00	ND	1.90J	7.07	2.83	
4,4'-DDD (DDD)	0.270	4.00	ND	0.290J	2.31J	ND	
4,4'-DDE (DDE)	0.220	4.00	ND	4.21	3.56J	1.86J	
4,4'-DDT (DDT)	0.220	4.00	ND	3.44J	ND	ND	
delta-Hexachlorocyclohexane (Delta-BHC)	0.150	2.00	ND	ND	ND	ND	
Dieldrin	0.200	4.00	ND	2.08J	ND	6.02	
Endosulfan 1	0.200	2.00	ND	ND	ND	ND	
Endosulfan 11	0.240	4.00	ND	ND	ND	ND	
Endosulfan sulfate	0.270	4.00	ND	ND	ND	ND	
Endrin	0.250	4.00	ND	ND	ND	ND	
Endrin aldehyde	0.440	4.00	ND	ND	ND	ND	
Endrin ketone	0.300	4.00	ND	ND	ND	ND	
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.210	2.00	ND	ND	ND	ND	
Heptachlor	0.230	2.00	ND	ND	ND	ND	
Heptachlor epoxide	0.230	2.00	ND	ND	ND	ND	
Methoxychlor	0.390	17.0	ND	ND	ND	ND	
Toxaphene	17.0	170	ND	ND	ND	ND	

Our Lab I.D.				226447	226448	226449	
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery							
Decachlorobiphenyl	43-169		131	109	108	111	

AMERICAN SCIENTIFIC LABORATORIES, LLC
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ANALYTICAL RESULTS

Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 8081A, Organochlorine Pesticides
QUALITY CONTROL REPORT

QC Batch No: 101708-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Aldrin	111	106	4.6	42-122	<30	108	106	1.9	42-122	<30
4,4'-DDT (DDT)	33	31	6.3	25-160	<30	109	114	4.5	25-160	<30
Dieldrin	100	93	7.3	36-146	<30	113	116	2.6	36-146	<30
Endrin	105	93	12.1	30-147	<30	121	117	3.4	30-147	<30
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	92	84	9.1	32-127	<30	111	99	11.4	32-127	<30
Heptachlor	80	64	22.2	34-111	<30	99	100	1.0	34-111	<30

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ANALYTICAL RESULTS

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Site

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Telephone: (626)712-0589
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Page: **8**

Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 8082, Polychlorinated Biphenyls(PCBs) by Gas Chromatography

QC Batch No: 101708-1

Our Lab I.D.			Method Blank	226447	226448	226449	
Client Sample I.D.				SP1	SP2	SP3	
Date Sampled				10/15/2008	10/15/2008	10/15/2008	
Date Prepared			10/17/2008	10/17/2008	10/17/2008	10/17/2008	
Preparation Method			3550B	3550B	3550B	3550B	
Date Analyzed			10/17/2008	10/17/2008	10/17/2008	10/17/2008	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Aroclor-1016 (PCB-1016)	3.60	33.0	ND	ND	ND	ND	
Aroclor-1221 (PCB-1221)	4.20	67.0	ND	ND	ND	ND	
Aroclor-1232 (PCB-1232)	2.10	33.0	ND	ND	ND	ND	
Aroclor-1242 (PCB-1242)	2.10	33.0	ND	ND	ND	ND	
Aroclor-1248 (PCB-1248)	2.10	33.0	ND	ND	ND	ND	
Aroclor-1254 (PCB-1254)	2.10	33.0	ND	ND	ND	ND	
Aroclor-1260 (PCB-1260)	2.10	33.0	ND	ND	785	491	

Our Lab I.D.				226447	226448	226449	
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery							
Decachlorobiphenyl	43-169		131	109	81	111	

QUALITY CONTROL REPORT

QC Batch No: 101708-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Aroclor-1260 (PCB-1260)	87	89	2.3	39-150	<30	107	108	<1	39-150	<30

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ANALYTICAL RESULTS

Ordered By

Baader Environmental
1489 Stonebrook Street
Azusa, CA 91702-

Site

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Telephone: (626)712-0589
Attn: Gabriele Baader

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Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 8141A, Organophosphorus Compounds by Gas Chromatography

QC Batch No: 102208-1

Our Lab I.D.			Method Blank	226447	226448	226449	
Client Sample I.D.				SP1	SP2	SP3	
Date Sampled				10/15/2008	10/15/2008	10/15/2008	
Date Prepared			10/20/2008	10/20/2008	10/20/2008	10/20/2008	
Preparation Method			3545	3545	3545	3545	
Date Analyzed			10/22/2008	10/22/2008	10/22/2008	10/22/2008	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Azinphos-methyl	0.650	5.00	ND	ND	ND	ND	
Bolstar (Sulprofos)	1.49	5.00	ND	ND	ND	ND	
Chlorpyrifos	1.00	5.00	ND	ND	ND	ND	
Coumaphos	1.64	5.00	ND	ND	ND	ND	
Demeton	0.902	5.00	ND	ND	ND	ND	
Diazinon	0.913	5.00	ND	ND	ND	ND	
Dichlorvos (DDVP, Diclorovos)	0.650	5.00	ND	ND	ND	ND	
Disulfoton	0.913	5.00	ND	ND	ND	ND	
Ethoprop	0.900	5.00	ND	ND	ND	ND	
Fensulfothion	1.00	10.0	ND	ND	ND	ND	
Fenthion	1.00	5.00	ND	ND	ND	ND	
Merphos	1.22	5.00	ND	ND	ND	ND	
Methyl parathion (Parathion methyl)	0.600	5.00	ND	ND	ND	ND	
Mevinphos	0.820	5.00	ND	ND	ND	ND	
Naled	1.00	5.00	ND	ND	ND	ND	
Phorate (Phosphorodithioic acid)	0.970	5.00	ND	ND	ND	ND	
Ronnel	1.19	5.00	ND	ND	ND	ND	
Tetrachlorvinphos (Stirophos)	1.00	5.00	ND	ND	ND	ND	
Tokuthion (Prothiofos)	0.803	5.00	ND	ND	ND	ND	
Trichloronate	0.963	5.00	ND	ND	ND	ND	

Our Lab I.D.				226447	226448	226449	
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery							
Tributylphosphate	50-170		94	93	118	77	

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ANALYTICAL RESULTS

Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 8141A, Organophosphorus Compounds by Gas Chromatography
QUALITY CONTROL REPORT

QC Batch No: 102208-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS/LCSD % Limit			
Chlorpyrifos	124	123	<1	40-130	30	97	40-130			
Diazinon	148	145	2.0	40-130	30	109	40-130			
Methyl parathion (Parathion methyl)	157	151	3.9	40-130	30	106	40-130			
Tetrachlorvinphos (Stirophos)	216	181	17.6	40-130	30	83	40-130			

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ANALYTICAL RESULTS

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Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 8151A, Chlorinated Herbicides by Gas Chromatography

QC Batch No: 102208-1

Our Lab I.D.			Method Blank	226447	226448	226449	
Client Sample I.D.				SP1	SP2	SP3	
Date Sampled				10/15/2008	10/15/2008	10/15/2008	
Date Prepared			10/20/2008	10/20/2008	10/20/2008	10/20/2008	
Preparation Method							
Date Analyzed			10/22/2008	10/22/2008	10/22/2008	10/22/2008	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
2,4-D	0.0600	1.10	ND	ND	ND	ND	
2,4-DB	0.550	5.00	ND	ND	ND	ND	
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	0.440	1.20	ND	ND	ND	ND	
2,4,5,-TP (Silvex)	0.440	1.20	ND	ND	ND	ND	
Dalapon	0.100	0.500	ND	ND	ND	ND	
Dicamba	0.100	0.600	ND	ND	ND	ND	
Dichloroprop	0.200	0.800	ND	ND	ND	ND	
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	0.400	1.10	ND	ND	ND	ND	
MCPA	86.0	200	ND	ND	ND	ND	
MCPP	103	150	ND	ND	ND	ND	
Pentachlorophenol	0.0400	1.00	ND	ND	ND	ND	
4-Nitrophenol	1.89	5.00	ND	ND	ND	ND	

Our Lab I.D.				226447	226448	226449	
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery							
DCAA	50-170		146	129	138	119	

QUALITY CONTROL REPORT

QC Batch No: 102208-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS/LCSD % Limit			
2,4-D	129	124	3.6	50-180	30	121	50-180			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	130	125	3.9	68-160	30	128	68-160			
2,4,5,-TP (Silvex)	132	123	7.1	42-180	30	125	42-180			

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ANALYTICAL RESULTS

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Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 8260B, Volatile Organic Compounds

QC Batch No: 101608-1B

Our Lab I.D.			Method Blank	226447	226448	226449	
Client Sample I.D.				SP1	SP2	SP3	
Date Sampled				10/15/2008	10/15/2008	10/15/2008	
Date Prepared			10/16/2008	10/16/2008	10/16/2008	10/16/2008	
Preparation Method			5035	5035	5035	5035	
Date Analyzed			10/16/2008	10/16/2008	10/16/2008	10/16/2008	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Acetone	12.7	50.0	ND	ND	ND	ND	
Benzene	0.930	2.00	ND	ND	ND	ND	
Bromobenzene (Phenyl bromide)	3.39	10.0	ND	ND	ND	ND	
Bromochloromethane (Chlorobromomethane)	0.380	10.0	ND	ND	ND	ND	
Bromodichloromethane (Dichlorobromomethane)	0.630	10.0	ND	ND	ND	ND	
Bromoform (Tribromomethane)	3.39	50.0	ND	ND	ND	ND	
Bromomethane (Methyl bromide)	2.75	30.0	ND	ND	ND	ND	
2-Butanone (MEK, Methyl ethyl ketone)	5.83	50.0	ND	ND	ND	ND	
n-Butylbenzene	2.05	10.0	ND	ND	ND	ND	
sec-Butylbenzene	3.04	10.0	ND	ND	ND	ND	
tert-Butylbenzene	1.34	10.0	ND	ND	ND	ND	
Carbon disulfide	5.53	10.0	ND	ND	ND	ND	
Carbon tetrachloride (Tetrachloromethane)	2.48	10.0	ND	ND	ND	ND	
Chlorobenzene	0.890	10.0	ND	ND	ND	ND	
Chloroethane	2.15	30.0	ND	ND	ND	ND	
2-Chloroethyl vinyl ether	5.53	50.0	ND	ND	ND	ND	
Chloroform (Trichloromethane)	1.24	10.0	ND	ND	ND	ND	
Chloromethane (Methyl chloride)	1.74	30.0	ND	ND	ND	ND	
4-Chlorotoluene (p-Chlorotoluene)	1.34	10.0	ND	ND	ND	ND	
2-Chlorotoluene (o-Chlorotoluene)	2.35	10.0	ND	ND	ND	ND	
1,2-Dibromo-3-chloropropane (DBCP)	2.69	50.0	ND	ND	ND	ND	
Dibromochloromethane	0.650	10.0	ND	ND	ND	ND	
1,2-Dibromoethane (EDB, Ethylene dibromide)	2.75	10.0	ND	ND	ND	ND	
Dibromomethane	2.30	10.0	ND	ND	ND	ND	
1,2-Dichlorobenzene (o-Dichlorobenzene)	1.03	10.0	ND	ND	ND	ND	
1,3-Dichlorobenzene (m-Dichlorobenzene)	1.65	10.0	ND	ND	ND	ND	

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ANALYTICAL RESULTS

Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 8260B, Volatile Organic Compounds

QC Batch No: 101608-1B

Our Lab I.D.			Method Blank	226447	226448	226449	
Client Sample I.D.				SP1	SP2	SP3	
Date Sampled				10/15/2008	10/15/2008	10/15/2008	
Date Prepared			10/16/2008	10/16/2008	10/16/2008	10/16/2008	
Preparation Method			5035	5035	5035	5035	
Date Analyzed			10/16/2008	10/16/2008	10/16/2008	10/16/2008	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
1,4-Dichlorobenzene (p-Dichlorobenzene)	2.23	10.0	ND	ND	ND	ND	
Dichlorodifluoromethane	2.07	30.0	ND	ND	ND	ND	
1,1-Dichloroethane	1.30	10.0	ND	ND	ND	ND	
1,2-Dichloroethane	1.57	10.0	ND	ND	ND	ND	
1,1-Dichloroethene (1,1-Dichloroethylene)	2.60	10.0	ND	ND	ND	ND	
cis-1,2-Dichloroethene	1.60	10.0	ND	ND	ND	ND	
trans-1,2-Dichloroethene	2.16	10.0	ND	ND	ND	ND	
1,2-Dichloropropane	0.660	10.0	ND	ND	ND	ND	
1,3-Dichloropropane	0.920	10.0	ND	ND	ND	ND	
2,2-Dichloropropane	1.36	10.0	ND	ND	ND	ND	
1,1-Dichloropropene	1.12	10.0	ND	ND	ND	ND	
cis-1,3-Dichloropropene	0.980	10.0	ND	ND	ND	ND	
trans-1,3-Dichloropropene	0.960	10.0	ND	ND	ND	ND	
Ethylbenzene	1.00	2.00	ND	ND	ND	ND	
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	2.77	30.0	ND	ND	ND	ND	
2-Hexanone	3.18	50.0	ND	ND	ND	ND	
Isopropylbenzene	1.42	10.0	ND	ND	ND	ND	
p-Isopropyltoluene (4-Isopropyltoluene)	3.86	10.0	ND	ND	ND	ND	
MTBE	2.90	5.00	ND	ND	ND	ND	
4-Methyl-2-pentanone (MIBK, Methyl isobutyl ketone)	3.14	50.0	ND	ND	ND	ND	
Methylene chloride (Dichloromethane, DCM)	3.31	50.0	ND	ND	ND	ND	
Naphthalene	1.14	10.0	ND	ND	ND	ND	
n-Propylbenzene	1.14	10.0	ND	ND	ND	ND	
Styrene	0.800	10.0	ND	ND	ND	ND	
1,1,1,2-Tetrachloroethane	1.28	10.0	ND	ND	ND	ND	
1,1,2,2-Tetrachloroethane	3.25	10.0	ND	ND	ND	ND	
Tetrachloroethene (Tetrachloroethylene)	0.930	10.0	ND	ND	ND	ND	
Toluene (Methyl benzene)	1.00	2.00	ND	ND	ND	ND	
1,2,3-Trichlorobenzene	1.23	10.0	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	2.82	10.0	ND	ND	ND	ND	
1,1,1-Trichloroethane	2.03	10.0	ND	ND	ND	ND	
1,1,2-Trichloroethane	1.74	10.0	ND	ND	ND	ND	

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ANALYTICAL RESULTS

Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 8260B, Volatile Organic Compounds

QC Batch No: 101608-1B

Our Lab I.D.			Method Blank	226447	226448	226449	
Client Sample I.D.				SP1	SP2	SP3	
Date Sampled				10/15/2008	10/15/2008	10/15/2008	
Date Prepared			10/16/2008	10/16/2008	10/16/2008	10/16/2008	
Preparation Method			5035	5035	5035	5035	
Date Analyzed			10/16/2008	10/16/2008	10/16/2008	10/16/2008	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
Trichloroethene (TCE)	1.15	10.0	ND	ND	ND	ND	
Trichlorofluoromethane	3.15	10.0	ND	ND	ND	ND	
1,2,3-Trichloropropane	1.74	10.0	ND	ND	ND	ND	
1,2,4-Trimethylbenzene	3.19	10.0	ND	ND	ND	ND	
1,3,5-Trimethylbenzene	1.23	10.0	ND	ND	ND	ND	
Vinyl acetate	10.8	50.0	ND	ND	ND	ND	
Vinyl chloride (Chloroethene)	2.79	30.0	ND	ND	ND	ND	
o-Xylene	1.00	2.00	ND	ND	ND	ND	
m- & p-Xylenes	1.80	4.00	ND	ND	ND	ND	

Our Lab I.D.				226447	226448	226449	
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		100	117	118	107	
Dibromofluoromethane	70-120		92	96	96	96	
Toluene-d8	70-120		98	96	96	94	

QUALITY CONTROL REPORT

QC Batch No: 101608-1B

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC				
Benzene	98	95	3.1	75-120	15	97				
Chlorobenzene	92	89	3.3	75-120	15	95				
1,1-Dichloroethene (1,1-Dichloroethylene)	87	83	4.7	75-120	15	92				
MTBE	119	111	7.0	75-120	15	119				
Toluene (Methyl benzene)	96	93	3.2	75-120	15	94				
Trichloroethene (TCE)	99	96	3.1	75-120	15	95				

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ANALYTICAL RESULTS

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Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 8260B, TPH GROs(Gasoline Range Organics)

QC Batch No: 101608-1B

Our Lab I.D.			Method Blank	226447	226448	226449	
Client Sample I.D.				SP1	SP2	SP3	
Date Sampled				10/15/2008	10/15/2008	10/15/2008	
Date Prepared			10/16/2008	10/16/2008	10/16/2008	10/16/2008	
Preparation Method			5035	5035	5035	5035	
Date Analyzed			10/16/2008	10/16/2008	10/16/2008	10/16/2008	
Matrix			Soil	Soil	Soil	Soil	
Units			ug/kg	ug/kg	ug/kg	ug/kg	
Dilution Factor			1	1	1	1	
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**	**Results**	
TPH GROs (C6 to C10)	200	500	ND	ND	ND	ND	

Our Lab I.D.				226447	226448	226449	
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**	**% Rec.**	
Surrogate Percent Recovery							
Bromofluorobenzene	70-120		100	117	118	107	
Dibromofluoromethane	70-120		92	96	96	96	
Toluene-d8	70-120		98	96	96	94	

QUALITY CONTROL REPORT

QC Batch No: 101608-1B

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC				
Benzene	98	95	3.1	75-120	15	97				
Chlorobenzene	92	89	3.3	75-120	15	95				
1,1-Dichloroethene (1,1-Dichloroethylene)	87	83	4.7	75-120	15	92				
MTBE	119	111	7.0	75-120	15	119				
Toluene (Methyl benzene)	96	93	3.2	75-120	15	94				
Trichloroethene (TCE)	99	96	3.1	75-120	15	95				

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Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 8270C, Semivolatile Organics

QC Batch No: 101608-1

Our Lab I.D.			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			10/16/2008				
Preparation Method			3550B				
Date Analyzed			10/16/2008				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acenaphthene	13.8	330	ND				
Acenaphthylene	16.1	330	ND				
Anthracene	9.90	330	ND				
Benz(a)anthracene (Benzo(a)anthracene)	12.8	330	ND				
Benzo(a)pyrene	18.9	330	ND				
Benzo(b)fluoranthene	21.8	330	ND				
Benzo(ghi)perylene	18.4	330	ND				
Benzo(k)fluoranthene	19.0	330	ND				
Benzoic acid	36.7	1700	ND				
Benzyl alcohol	22.6	660	ND				
Bis(2-chloroethoxy)methane	19.6	330	ND				
Bis(2-chloroethyl)ether	20.3	330	ND				
Bis(2-chloroisopropyl) ether	17.3	330	ND				
Bis(2-ethylhexyl) phthalate	11.1	330	ND				
4-Bromophenyl phenyl ether	14.6	330	ND				
Butyl benzyl phthalate (Benzyl butyl phthalate)	13.3	330	ND				
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	23.2	660	ND				
4-Chloroaniline	20.0	660	ND				
2-Chloronaphthalene	19.5	330	ND				
2-Chlorophenol (o-Chlorophenol)	18.8	330	ND				
4-Chlorophenyl phenyl ether	17.2	330	ND				
Chrysene	14.4	330	ND				
Di-n-butyl phthalate	10.1	330	ND				
Di-n-octyl phthalate (Dioctyl ester)	14.7	330	ND				
Dibenz(a,h)anthracene	16.1	330	ND				
Dibenzofuran	15.7	330	ND				
1,3-Dichlorobenzene (m-Dichlorobenzene)	20.2	330	ND				

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ANALYTICAL RESULTS

Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 8270C, Semivolatile Organics

QC Batch No: 101608-1

Our Lab I.D.			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			10/16/2008				
Preparation Method			3550B				
Date Analyzed			10/16/2008				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
1,2-Dichlorobenzene (o-Dichlorobenzene)	17.8	330	ND				
1,4-Dichlorobenzene	18.4	330	ND				
3,3'-Dichlorobenzidine	14.6	660	ND				
2,4-Dichlorophenol	24.1	1700	ND				
Diethyl phthalate (Diethyl ester)	13.9	330	ND				
2,4-Dimethylphenol	22.4	330	ND				
Dimethyl phthalate (Dimethyl ester)	15.5	330	ND				
2,4-Dinitrophenol	128	1700	ND				
2,4-Dinitrotoluene	17.3	330	ND				
2,6-Dinitrotoluene (2,6-DNT)	16.0	330	ND				
Fluoranthene	8.00	330	ND				
Fluorene	14.2	330	ND				
Hexachlorobenzene	9.70	330	ND				
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	15.9	330	ND				
Hexachlorocyclopentadiene	16.5	660	ND				
Hexachloroethane	22.6	330	ND				
Indeno(1,2,3-cd)pyrene	16.8	330	ND				
Isophorone	20.1	330	ND				
2-methyl-4,6-Dinitrophenol	31.2	1700	ND				
2-Methylnaphthalene	19.1	330	ND				
2-Methylphenol (o-Cresol, 2-Cresol)	21.2	330	ND				
4-Methylphenol (p-Cresol, 4-Cresol)	22.5	330	ND				
N-Nitroso-Di-n-propylamine	22.7	330	ND				
N-Nitrosodiphenylamine	11.4	330	ND				
Naphthalene	18.9	330	ND				
2-Nitroaniline	16.7	1700	ND				
3-Nitroaniline	17.5	1700	ND				
4-Nitroaniline	12.9	1700	ND				
Nitrobenzene (NB)	18.7	330	ND				
2-Nitrophenol (o-Nitrophenol)	26.0	330	ND				
4-Nitrophenol	26.0	1700	ND				
Pentachlorophenol	22.7	1700	ND				
Phenanthrene	10.9	330	ND				
Phenol	16.9	330	ND				

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ANALYTICAL RESULTS

Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 8270C, Semivolatile Organics

QC Batch No: 101608-1

Our Lab I.D.			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			10/16/2008				
Preparation Method			3550B				
Date Analyzed			10/16/2008				
Matrix			Soil				
Units			ug/kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Pyrene	8.20	330	ND				
1,2,4-Trichlorobenzene	16.6	330	ND				
2,4,5-Trichlorophenol	23.6	330	ND				
2,4,6-Trichlorophenol	19.4	330	ND				

Our Lab I.D.							
Surrogates	**% Rec.Limit**		**% Rec.**				
Surrogate Percent Recovery							
2-Fluorophenol	21-105		72				
Phenol-d6	10-107		54				
2,4,6-Tribromophenol	10-123		74				
Nitrobenzene-d5	35-114		61				
2-Fluorobiphenyl	18-116		69				
Terphenyl-d14	33-141		61				

QUALITY CONTROL REPORT

QC Batch No: 101608-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Acenaphthene	64	60	6.5	43-118	<30	95	84	12.3	43-118	<30
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	72	86	17.7	23-117	<30	85	98	14.2	23-117	<30
2-Chlorophenol (o-Chlorophenol)	44	48	8.7	27-123	<30	75	61	20.6	27-123	<30
1,4-Dichlorobenzene	80	66	19.2	36-105	<30	73	59	21.2	36-105	<30
2,4-Dinitrotoluene	64	67	4.6	24-120	<30	76	97	24.3	24-120	<30
N-Nitroso-Di-n-propylamine	57	61	6.8	41-116	<30	72	55	26.8	41-116	<30
4-Nitrophenol	41	46	11.5	10-133	<30	26	26	<1	10-133	<30
Pentachlorophenol	70	88	22.8	9-118	<30	62	49	23.4	9-118	<30
Phenol	61	47	25.9	12-110	<30	60	51	16.2	12-110	<30
Pyrene	95	94	1.1	26-127	<30	84	65	25.5	26-127	<30
1,2,4-Trichlorobenzene	75	89	17.1	39-98	<30	72	88	20.0	39-98	<30

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Environmental Testing Services
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ANALYTICAL RESULTS

Ordered By

Baader Environmental
1489 Stonebrook Street
Azusa, CA 91702-

Site

750 East 49th Street
Los Angeles, CA 90011

Telephone: (626)712-0589
Attn: Gabriele Baader

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Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 8270C, Semivolatile Organics

QC Batch No: 101608-1

Our Lab I.D.			226447	226448	226449		
Client Sample I.D.			SP1	SP2	SP3		
Date Sampled			10/15/2008	10/15/2008	10/15/2008		
Date Prepared			10/16/2008	10/16/2008	10/16/2008		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			10/16/2008	10/16/2008	10/16/2008		
Matrix			Soil	Soil	Soil		
Units			ug/kg	ug/kg	ug/kg		
Dilution Factor			2	2	2		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Acenaphthene	27.6	660	ND	ND	ND		
Acenaphthylene	32.2	660	ND	ND	ND		
Anthracene	19.8	660	ND	ND	ND		
Benz(a)anthracene (Benzo(a)anthracene)	25.6	660	ND	ND	ND		
Benzo(a)pyrene	37.8	660	ND	ND	ND		
Benzo(b)fluoranthene	43.6	660	ND	ND	ND		
Benzo(ghi)perylene	36.8	660	ND	ND	ND		
Benzo(k)fluoranthene	38.0	660	ND	ND	ND		
Benzoic acid	73.4	3400	ND	ND	ND		
Benzyl alcohol	45.2	1320	ND	ND	ND		
Bis(2-chloroethoxy)methane	39.2	660	ND	ND	ND		
Bis(2-chloroethyl)ether	40.6	660	ND	ND	ND		
Bis(2-chloroisopropyl) ether	34.6	660	ND	ND	ND		
Bis(2-ethylhexyl) phthalate	22.2	660	ND	ND	ND		
4-Bromophenyl phenyl ether	29.2	660	ND	ND	ND		
Butyl benzyl phthalate (Benzyl butyl phthalate)	26.6	660	ND	ND	ND		
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	46.4	1320	ND	ND	ND		
4-Chloroaniline	40.0	1320	ND	ND	ND		
2-Chloronaphthalene	39.0	660	ND	ND	ND		
2-Chlorophenol (o-Chlorophenol)	37.6	660	ND	ND	ND		
4-Chlorophenyl phenyl ether	34.4	660	ND	ND	ND		
Chrysene	28.8	660	ND	ND	ND		
Di-n-butyl phthalate	20.2	660	ND	ND	ND		
Di-n-octyl phthalate (Dioctyl ester)	29.4	660	ND	ND	ND		
Dibenz(a,h)anthracene	32.2	660	ND	ND	ND		
Dibenzofuran	31.4	660	ND	ND	ND		
1,3-Dichlorobenzene (m-Dichlorobenzene)	40.4	660	ND	ND	ND		

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Environmental Testing Services
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ANALYTICAL RESULTS

Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 8270C, Semivolatile Organics

QC Batch No: 101608-1

Our Lab I.D.			226447	226448	226449		
Client Sample I.D.			SP1	SP2	SP3		
Date Sampled			10/15/2008	10/15/2008	10/15/2008		
Date Prepared			10/16/2008	10/16/2008	10/16/2008		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			10/16/2008	10/16/2008	10/16/2008		
Matrix			Soil	Soil	Soil		
Units			ug/kg	ug/kg	ug/kg		
Dilution Factor			2	2	2		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
1,2-Dichlorobenzene (o-Dichlorobenzene)	35.6	660	ND	ND	ND		
1,4-Dichlorobenzene	36.8	660	ND	ND	ND		
3,3'-Dichlorobenzidine	29.2	1320	ND	ND	ND		
2,4-Dichlorophenol	48.2	3400	ND	ND	ND		
Diethyl phthalate (Diethyl ester)	27.8	660	ND	ND	ND		
2,4-Dimethylphenol	44.8	660	ND	ND	ND		
Dimethyl phthalate (Dimethyl ester)	31.0	660	ND	ND	ND		
2,4-Dinitrophenol	256	3400	ND	ND	ND		
2,4-Dinitrotoluene	34.6	660	ND	ND	ND		
2,6-Dinitrotoluene (2,6-DNT)	32.0	660	ND	ND	ND		
Fluoranthene	16.0	660	ND	ND	ND		
Fluorene	28.4	660	ND	ND	ND		
Hexachlorobenzene	19.4	660	ND	ND	ND		
Hexachlorobutadiene (1,3-Hexachlorobutadiene)	31.8	660	ND	ND	ND		
Hexachlorocyclopentadiene	33.0	1320	ND	ND	ND		
Hexachloroethane	45.2	660	ND	ND	ND		
Indeno(1,2,3-cd)pyrene	33.6	660	ND	ND	ND		
Isophorone	40.2	660	ND	ND	ND		
2-methyl-4,6-Dinitrophenol	62.4	3400	ND	ND	ND		
2-Methylnaphthalene	38.2	660	ND	ND	ND		
2-Methylphenol (o-Cresol, 2-Cresol)	42.4	660	ND	ND	ND		
4-Methylphenol (p-Cresol, 4-Cresol)	45.0	660	ND	ND	ND		
N-Nitroso-Di-n-propylamine	45.4	660	ND	ND	ND		
N-Nitrosodiphenylamine	22.8	660	ND	ND	ND		
Naphthalene	37.8	660	ND	ND	ND		
2-Nitroaniline	33.4	3400	ND	ND	ND		
3-Nitroaniline	35.0	3400	ND	ND	ND		
4-Nitroaniline	25.8	3400	ND	ND	ND		
Nitrobenzene (NB)	37.4	660	ND	ND	ND		
2-Nitrophenol (o-Nitrophenol)	52.0	660	ND	ND	ND		
4-Nitrophenol	52.0	3400	ND	ND	ND		
Pentachlorophenol	45.4	3400	ND	ND	ND		
Phenanthrene	21.8	660	ND	ND	ND		
Phenol	33.8	660	ND	ND	ND		

AMERICAN SCIENTIFIC LABORATORIES, LLC
Environmental Testing Services
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ANALYTICAL RESULTS

Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 8270C, Semivolatile Organics

QC Batch No: 101608-1

Our Lab I.D.			226447	226448	226449		
Client Sample I.D.			SP1	SP2	SP3		
Date Sampled			10/15/2008	10/15/2008	10/15/2008		
Date Prepared			10/16/2008	10/16/2008	10/16/2008		
Preparation Method			3550B	3550B	3550B		
Date Analyzed			10/16/2008	10/16/2008	10/16/2008		
Matrix			Soil	Soil	Soil		
Units			ug/kg	ug/kg	ug/kg		
Dilution Factor			2	2	2		
Analytes	**MDL**	**PQL**	**Results**	**Results**	**Results**		
Pyrene	16.4	660	ND	ND	ND		
1,2,4-Trichlorobenzene	33.2	660	ND	ND	ND		
2,4,5-Trichlorophenol	47.2	660	ND	ND	ND		
2,4,6-Trichlorophenol	38.8	660	ND	ND	ND		

Comment(s):
226447:226448:226449: Elevated PQL's due to matrix.

Our Lab I.D.			226447	226448	226449		
Surrogates	**% Rec.Limit**		**% Rec.**	**% Rec.**	**% Rec.**		
Surrogate Percent Recovery							
2-Fluorophenol	21-105		76	79	76		
Phenol-d6	10-107		59	62	60		
2,4,6-Tribromophenol	10-123		55	59	83		
Nitrobenzene-d5	35-114		72	75	70		
2-Fluorobiphenyl	18-116		61	62	50		
Terphenyl-d14	33-141		91	83	85		

QUALITY CONTROL REPORT

QC Batch No: 101608-1

Analytes	MS % REC	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit
Acenaphthene	64	60	6.5	43-118	<30	95	84	12.3	43-118	<30
4-Chloro-3-methylphenol (p-Chloro-m-cresol)	72	86	17.7	23-117	<30	85	98	14.2	23-117	<30
2-Chlorophenol (o-Chlorophenol)	44	48	8.7	27-123	<30	75	61	20.6	27-123	<30
1,4-Dichlorobenzene	80	66	19.2	36-105	<30	73	59	21.2	36-105	<30
2,4-Dinitrotoluene	64	67	4.6	24-120	<30	76	97	24.3	24-120	<30
N-Nitroso-Di-n-propylamine	57	61	6.8	41-116	<30	72	55	26.8	41-116	<30
4-Nitrophenol	41	46	11.5	10-133	<30	26	26	<1	10-133	<30
Pentachlorophenol	70	88	22.8	9-118	<30	62	49	23.4	9-118	<30
Phenol	61	47	25.9	12-110	<30	60	51	16.2	12-110	<30
Pyrene	95	94	1.1	26-127	<30	84	65	25.5	26-127	<30
1,2,4-Trichlorobenzene	75	89	17.1	39-98	<30	72	88	20.0	39-98	<30

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Environmental Testing Services
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ANALYTICAL RESULTS

Ordered By

Baader Environmental
1489 Stonebrook Street
Azusa, CA 91702-

Telephone: (626)712-0589
Attn: Gabriele Baader

Site

750 East 49th Street
Los Angeles, CA 90011

Page: **22**

Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 6010B, STLC Lead

QC Batch No: 102708-1

Our Lab I.D.		Method Blank	226447	226448	226449	
Client Sample I.D.			SP1	SP2	SP3	
Date Sampled			10/15/2008	10/15/2008	10/15/2008	
Date Prepared		10/24/2008	10/24/2008	10/24/2008	10/24/2008	
Preparation Method						
Date Analyzed		10/27/2008	10/27/2008	10/27/2008	10/27/2008	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/L	mg/L	mg/L	mg/L	
Dilution Factor		1	1	1	1	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	
ICP Metals						
Lead (Soluble)	0.500	ND	5.50	3.05	3.21	

QUALITY CONTROL REPORT

QC Batch No: 102708-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
ICP Metals										
Lead (Soluble)	105	106	<1	80-120	20					

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ANALYTICAL RESULTS

Ordered By

Baader Environmental
1489 Stonebrook Street
Azusa, CA 91702-

Telephone: (626)712-0589
Attn: Gabriele Baader

Site

750 East 49th Street
Los Angeles, CA 90011

Page: **23**

Project ID: 2008-16
Project Name: LAUSD 49th S. ES

ASL Job Number	Submitted	Client
39501	10/16/2008	BAADER

Method: 6010B, TCLP LEAD

QC Batch No: 102408-1

Our Lab I.D.		Method Blank	226447	226448	226449	
Client Sample I.D.			SP1	SP2	SP3	
Date Sampled			10/15/2008	10/15/2008	10/15/2008	
Date Prepared		10/23/2008	10/23/2008	10/23/2008	10/23/2008	
Preparation Method		3010A	3010A	3010A	3010A	
Date Analyzed		10/24/2008	10/24/2008	10/24/2008	10/24/2008	
Matrix		Soil	Soil	Soil	Soil	
Units		mg/L	mg/L	mg/L	mg/L	
Dilution Factor		1	1	1	1	
Analytes	**PQL**	**Results**	**Results**	**Results**	**Results**	
ICP Metals						
Lead (Soluble)	0.500	ND	ND	ND	ND	

QUALITY CONTROL REPORT

QC Batch No: 102408-1

Analytes	LCS % REC	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit					
ICP Metals										
Lead (Soluble)	108	102	5.7	80-120	20					

Weck Laboratories, Inc.
Analytical Laboratory Services - Since 1964

Report Date: Monday, October 20, 2008
Received Date: Thursday, October 16, 2008
Received Time: 2:20 pm

Turnaround Time: Normal

Client: American Scientific Laboratories
2520 N. San Fernando Road
Los Angeles, CA 90065-1324

Phone: (323) 223-9700
FAX: (323) 223-9500

Attn: Molky Brar

Project: 39501

P.O.#:

Certificate of Analysis

Work Order: 8101642-01 **Sample ID: 226447** **Matrix: Solid**

Sampled by: Client **Sampled: 10/15/08 00:00** **Sample Note:**

Analyte	Result	MDL	Qualifier	Units	Reporting Limit	Dil	Method	Prepared	Analyzed	Batch
Arsenic, Total	**2.2**	0.14		mg/kg	0.50	1	EPA 6020	10/17/08	10/17/08 ppy	W8J0800
Thallium, Total	**0.35**	0.055	J	mg/kg	0.50	1	EPA 6020	10/17/08	10/17/08 ppy	W8J0800

Work Order: 8101642-02 **Sample ID: 226448** **Matrix: Solid**

Sampled by: Client **Sampled: 10/15/08 00:00** **Sample Note:**

Analyte	Result	MDL	Qualifier	Units	Reporting Limit	Dil	Method	Prepared	Analyzed	Batch
Arsenic, Total	**11**	0.14		mg/kg	0.50	1	EPA 6020	10/17/08	10/17/08 ppy	W8J0800
Thallium, Total	**0.25**	0.055	J	mg/kg	0.50	1	EPA 6020	10/17/08	10/17/08 ppy	W8J0800

Work Order: 8101642-03 **Sample ID: 226449** **Matrix: Solid**

Sampled by: Client **Sampled: 10/15/08 00:00** **Sample Note:**

Analyte	Result	MDL	Qualifier	Units	Reporting Limit	Dil	Method	Prepared	Analyzed	Batch
Arsenic, Total	**3.7**	0.14		mg/kg	0.50	1	EPA 6020	10/17/08	10/17/08 ppy	W8J0800
Thallium, Total	**0.23**	0.055	J	mg/kg	0.50	1	EPA 6020	10/17/08	10/17/08 ppy	W8J0800

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Certificate of Analysis

Weck Laboratories, Inc

Metals (Non-Aqueous) by EPA 6000/7000 Series Methods - Quality Control

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Batch W8J0800 - EPA 6020									
Blank (W8J0800-BLK1)					Prepared & Analyzed: 10/17/08				
Thallium, Total		0.210	J	mg/kg					
Arsenic, Total		ND		mg/kg					
LCS (W8J0800-BS1)					Prepared & Analyzed: 10/17/08				
Thallium, Total		47.8		mg/kg	50.0	96	82-126		
Arsenic, Total		49.9		mg/kg	50.0	100	66-117		
LCS Dup (W8J0800-BSD1)					Prepared & Analyzed: 10/17/08				
Thallium, Total		48.6		mg/kg	50.0	97	82-126	2	20
Arsenic, Total		50.4		mg/kg	50.0	101	66-117	1	20
Matrix Spike (W8J0800-MS1)		Source: 8101641-06			Prepared & Analyzed: 10/17/08				
Thallium, Total	ND	46.4		mg/kg	49.5	94	79-129		
Arsenic, Total	3.90	52.7		mg/kg	49.5	99	59-123		
Matrix Spike Dup (W8J0800-MSD1)		Source: 8101641-06			Prepared & Analyzed: 10/17/08				
Thallium, Total	ND	45.1		mg/kg	48.1	94	79-129	3	20
Arsenic, Total	3.90	51.6		mg/kg	48.1	99	59-123	2	20

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Certificate of Analysis

Notes:
The Chain of Custody document is part of the analytical report.
Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless otherwise specified.
ND = NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL).
Sub = Subcontracted analysis, original report enclosed.
Dil = Dilution Factor
MDL = Method Detection Limit
MDA = Minimum Detectable Activity

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services.
The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).
For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

Authorized Signature

Contact: Kim G Tu (Project Manager)

ELAP # 1132
LACSD # 10143
NELAC # 04229CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Flags for Data Qualifiers:

J = Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

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8101642

Weck Laboratories, Inc.

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CHAIN OF CUSTODY RECORD

Page 1 Of 1

CLIENT NAME: American Scientific Labs

ADDRESS: 3520 N. San Fernando Road L.A. CA 90065

PROJECT MANAGER: Molly Brau

SAMPLER:

PROJECT: 39501

PHONE #: 323 228 9700

FAX #: 323 223 9500

E MAIL:

P.O.#:

ANALYSIS REQUESTED

As & Tl by 6020

SPECIAL HANDLING

- ☐ Same Day Rush 150%
- ☐ 24 Hour Rush 100%
- ☐ 48 - 72 Hour Rush 75%
- ☐ 4 - 5 Day Rush 30%
- ☐ Rush Extraction 50%
- ☑ 10 - 15 Business Days
- ☑ QA/QC Package

Charges Will Apply For Weekends And Holidays

Method of Shipment _____

ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL TYPE	SAMPLE IDENTIFICATION/SITE LOCATION	# OF CONT.	As & Tl by 6020	COMMENTS
	10-15-08		Soil	226447	1 Jar	X	Report with MDL/PQL
	"		"	226448	"	X	
	"		"	226449	"	X	

RELINQUISHED BY:		DATE / TIME	RECEIVED BY:		
SIGNATURE	PRINT NAME		SIGNATURE	PRINT NAME	
[signature]		10-16-08 2:25	Alice Lee		10/16/8 14:20
SIGNATURE	PRINT NAME		SIGNATURE	PRINT NAME	
SIGNATURE	PRINT NAME		SIGNATURE	PRINT NAME	

SAMPLE CONDITION:

Actual Temperature: 8.7

Received On Ice Y / N

Preserved Y / N

Evidence Seals Present Y / N

Container Attacked Y / N

Preserved at Lab Y / N

SAMPLE TYPE CODE:

AQ= Aqueous
NA= Non Aqueous
SL= Sludge
DW = Drinking Water
WW = Waste Water
RW = Rain Water
GW = Ground Water
SO = Soil
SW = Solid Waste
OL = Oil
OT = Other Matrix

PRESCHEDULED RUSH ANALYSES WILL TAKE PRIORITY OVER UNSCHEDULED RUSH REQUESTS. CLIENT AGREES TO TERMS AND CONDITIONS (SEE BACK OF THIS FORM).

SPECIAL REQUIREMENTS / BILLING INFORMATION

TAT

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Converse Consultants
Over 50 Years of Dedication in Geotechnical Engineering and Environmental Sciences

July 27, 2009

Mr. Rosendo Plasencia
Los Angeles Unified School District
1000 South Fremont Avenue
Building A10, 3rd Floor, Unit 10
Alhambra, CA 91803

Subject: **Export Soil Sampling Report**
49th Street Elementary School
750 East 49th Street
Los Angeles, CA 90011
Converse Project No. 09-41-154-01

Mr. Plasencia:

We have received and reviewed the analytical results of the soil samples collected from the soil stockpile at 49th Street Elementary School, located at 750 East 49th Street, in Los Angeles, California (Site), in accordance with our Proposal dated March 30, 2009.

The volume of stockpiled soil material to be exported from the Site was reported to be approximately 30 cubic yards. Observations of the stockpile on July 15, 2009 confirmed this estimate to be accurate. On July 15, 2009, three (3) discrete soil samples were collected for various depths of the stockpile at locations depicted on Figure 1 – Stockpile Location.

The laboratory was requested to prepare one (1) composite sample from the set of three (3) discrete samples. One (1) composite sample and one (1) discrete sub-sample were analyzed in accordance with our Proposal dated March 30, 2009, which was prepared in accordance with the Los Angeles Unified School District (LAUSD) Specification Section 01440 – Environmental Import/Export Materials Testing (Section 01440), revision dated August 1, 2008, and approved by the LAUSD – Office of Environmental Health and Safety (OEHS).

Soil for the analyses was collected in laboratory-supplied 4 oz. glass jars, and sub-samples were collected in accordance with EPA Method 5035 using EnCore sample containers from location 49th-1A. The sample containers were stored in a chilled container and transported to American Environmental Testing Laboratory (AETL) in Burbank under chain-of-custody documentation for analysis. Analyses for Total Petroleum Hydrocarbons in the gasoline range (TPH-gas) and Volatile Organic Compounds (VOCs) were performed from the discrete samples collected in the EnCore sample containers, and all other analyses were performed from the laboratory-prepared composite samples. In addition, a portion of the soil samples from each location were collected into sealable plastic bags and screened in the field for the presence of VOCs

using a Photo-ionization Detector (PID). No VOCs were detected in any of the samples screened in the field.

Analytical results of the stockpile samples have been compared to hazardous waste disposal threshold criteria, Department of Toxic Substance Control (DTSC) health-risk based screening levels, and to criteria presented in LAUSD Section 01440.

The laboratory analytical results are presented on Tables 1 and 2, and summarized as follows:

- Metals – All reported metals are below their respective Total Threshold Limit Concentrations (TTLC). The reported arsenic concentration of 10.5 milligrams per kilogram (mg/kg) is below the DTSC screening level of 12.0 mg/kg. The reported lead concentration of 17.8 mg/kg is below the DTSC screening level of 255 mg/kg for lead.
- Total Petroleum Hydrocarbons (TPH) was not reported in the gasoline (C4-C12) or diesel (C13-C22) ranges. However, TPH was reported in the heavy hydrocarbon (C23-C40) range with a concentration of 42.1 mg/kg, which is below the California Regional Water Quality Control Board (CRWQCB) Maximum Soil Screening Level (MSSL) of 1,000 mg/kg for heavy range hydrocarbons. The combined diesel and heavy range hydrocarbon concentration (42.1 mg/kg) is also below the acceptance criteria level specified in LAUSD Section 01440 of 1,000 mg/kg for diesel and heavy range hydrocarbons.
- Three (3) Organochlorine Pesticides (OCPs) were reported in the soil sample. Chlordane, DDE, and DDT were reported with concentrations of 2.61, 1.84, and 3.77 micrograms per kilogram (ug/kg), respectively. All reported OCPs are below their respective TTLC value.
- Organophosphorous Pesticides (OPPs) were not reported in the soil sample.
- Chlorinated Herbicides (CHs) were not reported in the soil sample.
- Polychlorinated bi-phenyls (PCBs) were not reported in the soil sample.
- Volatile Organic Compounds (VOCs) were not reported in the soil sample.
- Semi-Volatile Organic Compounds (SVOCs) were not reported in the soil sample.

Results of the sample analyses indicate that all constituents are below their respective TTLC concentrations, and therefore the soil is considered to not be hazardous for disposal purposes.

Based on LAUSD Section 01440, the soil may not be acceptable for use onsite or at other LAUSD school sites due to the detections of OCPs at any concentration without further evaluation and possible health risk screening. The acceptance criteria for

metals, TPH, and OCP concentrations vary between locations that may accept this soil, so the analytical data should be presented for acceptance.

This report has been prepared for the exclusive use of Los Angeles Unified School District in accordance with the terms and conditions under which these services were provided. Any reliance on this report by third parties shall be at third party's sole risk. Our services have been performed in accordance with applicable state and local ordinances, and generally accepted practices in the geosciences. No other warranty, either expressed or implied, is made.

Converse Consultants is not responsible or liable for the accuracy or completeness of available information provided by others. Site exploration identifies actual conditions only at those points where samples are taken, when they are taken.

Data derived through sampling and analytical testing are extrapolated by geoscientists who then render an opinion about overall conditions. Actual conditions in the areas not sampled may differ from the predictions. This report should not be regarded as a guarantee that no further contamination, beyond that which was detected in our investigation, is present beneath the property. In the event that changes to the property occur, or additional, relevant information about the property is brought to our attention, the recommendations contained in this report may not be valid unless these changes and additional relevant information are reviewed and the recommendations of this report are modified in writing.

Attached are summary tables for all reported constituents and the final laboratory analytical report for the sample.

We appreciate this opportunity to be of service. Please feel free to contact Norman Eke at (626) 930-1260, should you have any questions.

Sincerely,

CONVERSE CONSULTANTS

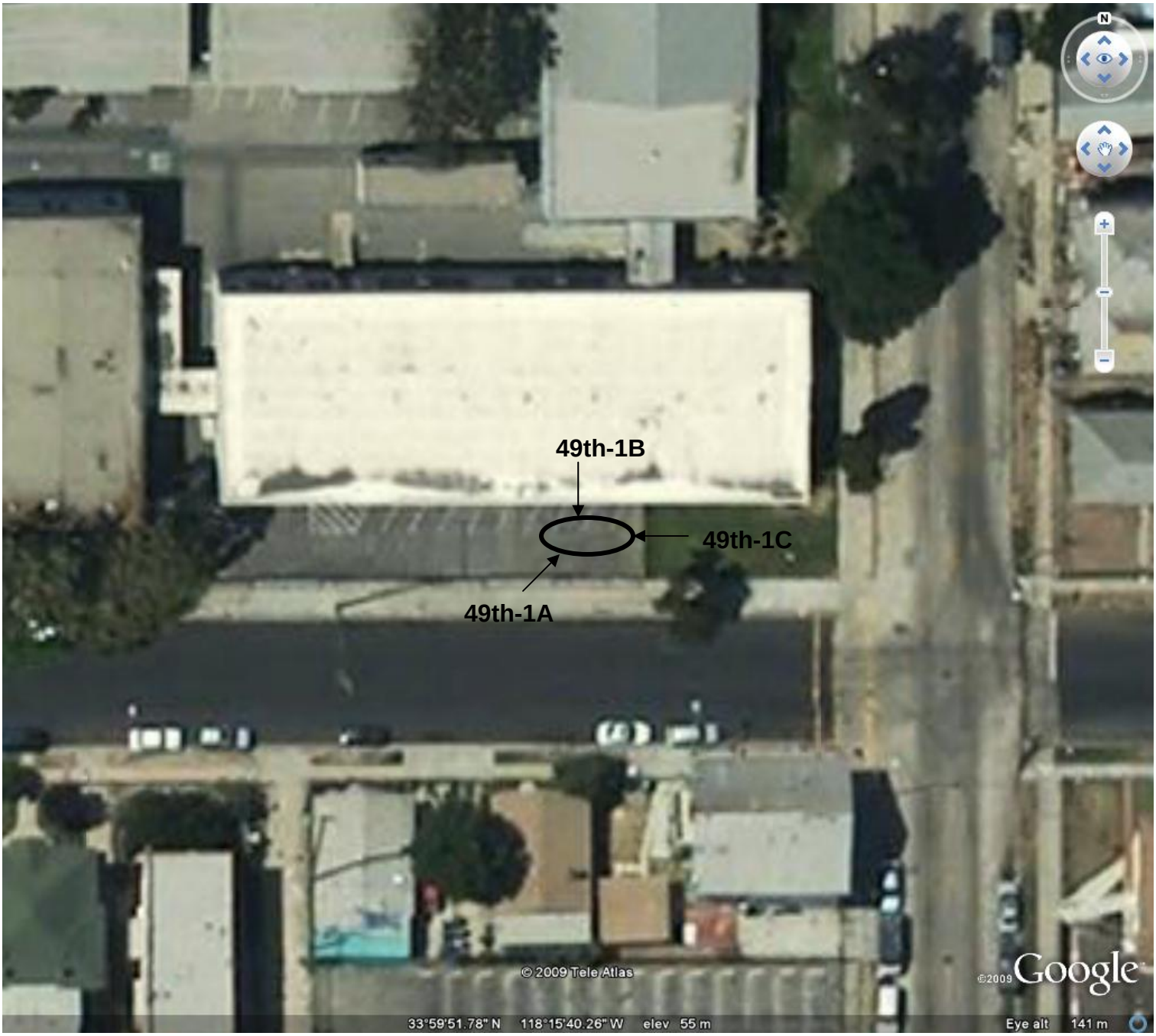
Amanda Liu
Staff Environmental Scientist

Mark Schluter, PG
Senior Geologist



Attch: Figure 1 – Stockpile Location
Table 1 – Summary of Analytical Results for Metals
Table 2 – Summary of Non-Metals Analytical Results
Final Laboratory Report

Dist: 1/Addressee via electronic mail



STOCKPILE LOCATION

Los Angeles Unified School District

49th Street Elementary School
750 East 49th Street
Los Angeles, CA 90011

Project No:

09-41-154-01

Converse Consultants

FIGURE **1**

Table 1
Summary Analytical Results for Metal Constituents
49th Street Elementary School
Los Angeles, California

Sample ID	49th-1	Guidance Levels				Regulatory Levels		
Sample Date	7/15/2009	**CHHSL-r**	**CHHSL-i**	**RSL-r**	**RSL-i**	**TTLC**	**STLC**	**TCLP**
Units	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/L	mg/L
Antimony	ND	30	380	31	410	500	15	--
Arsenic*	**10.5**	0.07	0.24	0.39	1.6	500	5	5
Barium	**103**	5,200	63,000	15,000	190,000	10,000	100	100
Beryllium	ND	150	1700	160	2,000	75	0.75	--
Cadmium	ND	1.7	7.5	70	810	100	1	1
Chromium (Total)	**12.8**	100,000	100,000	280	1,400	2,500	5	5
Chromium (VI)**	ND	17	37	39	200	500	5	--
Cobalt	**8.00**	660	3200	23	300	8,000	80	--
Copper	**12.4**	3,000	38,000	3,100	41,000	2,500	25	--
Lead	**17.8**	150	3500	400	800	1,000	5	5
Mercury^	ND	18	180	6.7	28	20	0.2	0
Molybdenum	ND	380	4800	390	5,100	3,500	350	--
Nickel	**8.75**	1,600	16,000	1,600	20,000	2,000	20	--
Selenium	ND	380	4800	390	5,100	100	1	1
Silver	ND	380	4800	390	5,100	500	5	5
Thallium*	ND	5	63	5.1	66	700	7	--
Vanadium	**30.8**	530	6700	390	5,200	2,400	24	--
Zinc	**115**	23,000	100,000	23,000	310,000	5,000	250	--

Samples analyzed in accordance with EPA Method 6010
* = Reported concentration analyzed in accordance with EPA Method 6020
** = Reported concentration analyzed in accordance with EPA Method 7199
^ = Reported concentration analyzed in accordance with EPA Method 7471
mg/kg = Milligrams per Kilogram
mg/L = Milligrams per Liter
ND = Not Detected at or above Practical Quantification Limits (PQLs)

CHHSL-r = California Human Health Screening Levels for Residential Soils
CHHSL-i = California Human Health Screening Levels for Industrial Soils
RSL-r = Regional Screening Levels for Residential Soils
RSL-i = Regional Screening Levels for Industrial Soils
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
TCLP = Toxicity Characteristic Leaching Procedure

J = Indicates analyte was detected. However, Analyte concentration is an estimated value which is between the method detection limit (MDL) and the practical quantitation limit (PQL).

Table 2
Summary Analytical Results for Non-Metal Constituents
49th Street Elementary School
Los Angeles, California

Constituent		Total Petroleum Hydrocarbon (TPH)			OCPS				OPPs	CHs	PCBs	VOCs	SVOCs
		C4-C12 (Gasoline) (mg/kg)	C13-C22 (Diesel) (mg/kg)	C23-C40 (Motor Oil) (mg/kg)	Chlordane (ug/kg)	DDE (ug/kg)	DDT (ug/kg)	All Others (ug/kg)	All (mg/kg)	All (mg/kg)	All (ug/kg)	All (ug/kg)	All (ug/kg)
Sample ID	**Date**												
49th-1/49th-1A	7/15/2009	ND	ND	**42.1**	**2.61**	**1.84J**	**3.77**	ND	ND	ND	ND	ND	ND
Guidance Levels													
RSL-r		NA	NA	NA	**1,600**	**1,700**	**1,700**	NA	NA	NA	NA	NA	NA
RSL-i		NA	NA	NA	**6,500**	**7,000**	**7,000**	NA	NA	NA	NA	NA	NA
CHHSL-r		NA	NA	NA	**430**	**1,600**	**1,600**	NA	NA	NA	NA	NA	NA
CHHSL-i		NA	NA	NA	**1,700**	**6,300**	**6,300**	NA	NA	NA	NA	NA	NA
Regulatory Levels													
TTLC		NA	NA	NA	**2,500**	**1,000**	**1,000**	NA	NA	NA	NA	NA	NA
STLC (mg/L)		NA	NA	NA	**250**	**100**	**100**	NA	NA	NA	NA	NA	NA
TCLP (mg/L)		NA	NA	NA	**30**	NA	NA	NA	NA	NA	NA	NA	NA
MSSLs		**100***	**100***	**1000***	NA	NA	NA	NA	NA	NA	NA	NA	NA

ND = Not Detected at or above PQL
NA = Not Applicable
PQL = Practical Quantitation Limit
MDL = Method Detection Limit
mg/kg = Milligrams per Kilograms
µg/kg = Micrograms per Kilograms
mg/L = Milligrams per Liter
OCPs = Organochlorine Pesticides
OPPs = Organophosphorus Pesticides
CHs = Chlorinated Herbicides
PCBs = Polychlorinated Biphenyls
J = Trace Concentration Between the MDL and PQL
VOCs = Volatile Organic Compounds
SVOCs = Semi-volatile Organic Compounds
RSL-r = Regional Screening Levels for Residential Soils
RSL-i = Regional Screening Levels for Industrial Soils
CHHSL-r = California Human Health Screening Levels for Residential Soils
CHHSL-i = California Human Health Screening Levels for Industrial Soils
TTLC = Total Threshold Limit Concentration
STLC = Soluble Threshold Limit Concentration
TCLP = Toxicity Characteristic Leaching Procedure
MSSLs = Maximum Soil Screening Levels
* = MSSL Values for soil less than 20 feet above groundwater

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Converse Consultants
222 E. Huntington Drive Suite 211
Monrovia, CA 91016-8006

Telephone: (626)930-1200
Attention: Michael Van Fleet

Number of Pages	**33**
Date Received	**07/15/2009**
Date Reported	**07/22/2009**

Job Number	Order Date	Client
53458	07/15/2009	CONVRS

Project ID: 09-41-154-01
Project Name: 49th Street Elementary School
Site: 49th Street Elementary School

Enclosed please find results of analyses of 2 soil samples which were analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: _____

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.

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CHAIN OF CUSTODY RECORD

Nº 51141

COMPANY: Converse Consultants
PROJECT MANAGER: M Van Fleet
COMPANY ADDRESS: 222 E. Huntington Dr. Suite 211, Monrovia
PHONE: 626-930-1200
FAX: 626-930-1212
PROJECT NAME: 49th Street ES
PROJECT #: 09-41-154-01
SITE NAME AND ADDRESS:
PO #:
AETL JOB No. 53458
Page 1 of 1

	SAMPLE ID	LAB ID	DATE	TIME	MATRIX	CONTAINER NUMBER/SIZE	PRES.
1	49th - 1	53458.01		-	Soil	-	-
2	49th - 1A	53458.02	7/15/09	11:45		1 Jar/3 Encore	ICE
3	49th - 1B	53458.03		11:45		1 Jar	
4	49th - 1C	53458.04		11:45		1 Jar	
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

ANALYSIS REQUESTED

8015M - TPHgas	8260B - VOCs	8015M - TPHdc	8270 - SVOCs	8082 - PCBs	6010B/7471 - Metals	6020 - Arsenic/Thallium	7199 - Hex Cr	8081A - OCPs	8141A - OPPs	8151A - CHs
X	X	X	X	X	X	X	X	X	X	X
X	X	X								

TEST INSTRUCTIONS & COMMENTS

Composite Sample 49th-1 to be prepared by lab from Samples 49th-1A, 1B, -1C

SAMPLE RECEIPT - TO BE FILLED BY LABORATORY

TOTAL NUMBER OF CONTAINERS	6	PROPERLY COOLED (Y) N / NA	
CUSTODY SEALS Y / (N) / NA		SAMPLES INTACT (Y) N / NA	
RECEIVED IN GOOD COND. (Y) N		SAMPLES ACCEPTED (Y) N	

TURN AROUND TIME

☒ NORMAL ☐ RUSH ☐ SAME DAY ☐ NEXT DAY ☐ 2 DAYS ☐ 3 DAYS

	1.	2.	3.
RELINQUISHED BY SAMPLER:	Signature: M Van Fleet Printed Name: Michael Van Fleet Date: 7/15/09 Time: 15:25	Signature: Printed Name: Date: Time:	Signature: Printed Name: Date: Time:
RECEIVED BY:	Signature: Printed Name: Date: Time:	Signature: Printed Name: Date: Time:	Signature: Printed Name: Julius Hermanto Date: 07/15/09 Time: 1525

DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

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ANALYTICAL RESULTS

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Monrovia, CA 91016-8006

Telephone: (626)930-1200
Attn: Michael Van Fleet

Site

49th Street Elementary School

Page: 2

Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 071609

Our Lab I.D.			Method Blank	**53458.01**			
Client Sample I.D.				49th-1			
Date Sampled				07/15/2009			
Date Prepared			07/16/2009	07/16/2009			
Preparation Method			3550B	3550B			
Date Analyzed			07/16/2009	07/16/2009			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Diesel (C13-C22)	5.0	10.0	ND	ND			
TPH as Heavy Hydrocarbons (C23-C40)	5.0	10.0	ND	42.1			
TPH Total as Diesel and Heavy HC.C13-C40	5.0	10.0	ND	42.1			
Our Lab I.D.			Method Blank	**53458.01**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Chlorobenzene	75-125		104	104			

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Page: 3

Site

49th Street Elementary School

Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071609

Our Lab I.D.			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			07/16/2009				
Preparation Method			3550B				
Date Analyzed			07/17/2009				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Acenaphthene	0.25	0.50	ND				
Acenaphthylene	0.25	0.50	ND				
Anthracene	0.25	0.50	ND				
Azobenzene	0.25	0.50	ND				
Benzidine	0.25	0.50	ND				
Benzo(a)anthracene	0.25	0.50	ND				
Benzo(a)pyrene	0.25	0.50	ND				
Benzo(b)fluoranthene	0.25	0.50	ND				
Benzo(g,h,i)perylene	0.25	0.50	ND				
Benzo(k)fluoranthene	0.25	0.50	ND				
Benzoic Acid	0.25	0.50	ND				
Benzyl Alcohol	0.25	0.50	ND				
Bis(2-Chloroethoxy)methane	0.25	0.50	ND				
Bis(2-Chloroethyl)ether	0.25	0.50	ND				
Bis(2-chloroisopropyl) ether	0.25	0.50	ND				
Bis(2-ethylhexyl) phthalate	0.25	0.50	ND				
4-Bromophenyl phenyl ether	0.25	0.50	ND				
Butyl benzyl phthalate	0.25	0.50	ND				
4-Chloro-3-methylphenol	0.25	0.50	ND				
4-Chloroaniline	0.25	0.50	ND				
2-Chloronaphthalene	0.25	0.50	ND				
2-Chlorophenol	0.25	0.50	ND				
4-Chlorophenyl phenyl ether	0.25	0.50	ND				
Chrysene	0.25	0.50	ND				
Di-n-butyl phthalate	0.25	0.50	ND				
Di-n-octyl phthalate (Dioctyl ester)	0.25	0.50	ND				
Dibenzo(a,h)anthracene	0.25	0.50	ND				

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ANALYTICAL RESULTS

Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071609

Our Lab I.D.			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			07/16/2009				
Preparation Method			3550B				
Date Analyzed			07/17/2009				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Dibenzofuran	0.25	0.50	ND				
1,2-Dichlorobenzene	0.25	0.50	ND				
1,3-Dichlorobenzene	0.25	0.50	ND				
1,4-Dichlorobenzene	0.25	0.50	ND				
3,3'-Dichlorobenzidine	0.25	0.50	ND				
2,4-Dichlorophenol	0.25	0.50	ND				
Diethyl phthalate (Diethyl ester)	0.25	0.50	ND				
Dimethyl phthalate (Dimethyl ester)	0.25	0.50	ND				
2,4-Dimethylphenol	0.25	0.50	ND				
4,6-Dinitro-2-methylphenol	0.25	0.50	ND				
2,4-Dinitrophenol	0.25	0.50	ND				
2,4-Dinitrotoluene	0.25	0.50	ND				
2,6-Dinitrotoluene (2,6-DNT)	0.25	0.50	ND				
Fluoranthene	0.25	0.50	ND				
Fluorene	0.25	0.50	ND				
Hexachlorobenzene	0.25	0.50	ND				
Hexachlorobutadiene	0.25	0.50	ND				
Hexachlorocyclopentadiene	0.25	0.50	ND				
Hexachloroethane	0.25	0.50	ND				
Indeno(1,2,3-cd)pyrene	0.25	0.50	ND				
Isophorone	0.25	0.50	ND				
2-Methylnaphthalene	0.25	0.50	ND				
4-Methylphenol	0.25	0.50	ND				
2-Methylphenol (2-Cresol)	0.25	0.50	ND				
3-Methylphenol (3-Cresol)	0.25	0.50	ND				
N-Nitroso-Di-n-propylamine	0.25	0.50	ND				
Naphthalene	0.25	0.50	ND				
2-Nitroaniline	0.25	0.50	ND				
3-Nitroaniline	0.25	0.50	ND				
4-Nitroaniline	0.25	0.50	ND				
Nitrobenzene (NB)	0.25	0.50	ND				
4-Nitrophenol	0.25	0.50	ND				
2-Nitrophenol (o-Nitrophenol)	0.25	0.50	ND				
N-nitrosodiphenylamine	0.25	0.50	ND				

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ANALYTICAL RESULTS

Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071609

Our Lab I.D.			Method Blank				
Client Sample I.D.							
Date Sampled							
Date Prepared			07/16/2009				
Preparation Method			3550B				
Date Analyzed			07/17/2009				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			1				
Analytes	**MDL**	**PQL**	**Results**				
Pentachlorophenol	0.25	0.50	ND				
Phenanthrene	0.25	0.50	ND				
Phenol	0.25	0.50	ND				
Pyrene	0.25	0.50	ND				
1,2,4-Trichlorobenzene	0.25	0.50	ND				
2,4,5-Trichlorophenol	0.25	0.50	ND				
2,4,6-Trichlorophenol	0.25	0.50	ND				
Our Lab I.D.			Method Blank				
Surrogates	**%Rec.Limit**		**% Rec.**				
2-Fluorophenol	25-121		60.3				
2-Fluorobiphenyl	30-115		80.8				
Nitrobenzene-d5	23-120		75.6				
Phenol-d6	21-113		58.9				
p-Terphenyl-D14	18-137		105				
2,4,6-Tribromophenol	19-122		69.7				

American Environmental Testing Laboratory Inc.

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ANALYTICAL RESULTS

Ordered By

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49th Street Elementary School

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Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071609

Our Lab I.D.			**53458.01**				
Client Sample I.D.			49th-1				
Date Sampled			07/15/2009				
Date Prepared			07/16/2009				
Preparation Method			3550B				
Date Analyzed			07/17/2009				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			2				
Analytes	**MDL**	**PQL**	**Results**				
Acenaphthene	0.50	1.00	ND				
Acenaphthylene	0.50	1.00	ND				
Anthracene	0.50	1.00	ND				
Azobenzene	0.50	1.00	ND				
Benzidine	0.50	1.00	ND				
Benzo(a)anthracene	0.50	1.00	ND				
Benzo(a)pyrene	0.50	1.00	ND				
Benzo(b)fluoranthene	0.50	1.00	ND				
Benzo(g,h,i)perylene	0.50	1.00	ND				
Benzo(k)fluoranthene	0.50	1.00	ND				
Benzoic Acid	0.50	1.00	ND				
Benzyl Alcohol	0.50	1.00	ND				
Bis(2-Chloroethoxy)methane	0.50	1.00	ND				
Bis(2-Chloroethyl)ether	0.50	1.00	ND				
Bis(2-chloroisopropyl) ether	0.50	1.00	ND				
Bis(2-ethylhexyl) phthalate	0.50	1.00	ND				
4-Bromophenyl phenyl ether	0.50	1.00	ND				
Butyl benzyl phthalate	0.50	1.00	ND				
4-Chloro-3-methylphenol	0.50	1.00	ND				
4-Chloroaniline	0.50	1.00	ND				
2-Chloronaphthalene	0.50	1.00	ND				
2-Chlorophenol	0.50	1.00	ND				
4-Chlorophenyl phenyl ether	0.50	1.00	ND				
Chrysene	0.50	1.00	ND				
Di-n-butyl phthalate	0.50	1.00	ND				
Di-n-octyl phthalate (Dioctyl ester)	0.50	1.00	ND				
Dibenzo(a,h)anthracene	0.50	1.00	ND				

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ANALYTICAL RESULTS

Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071609

Our Lab I.D.			**53458.01**				
Client Sample I.D.			49th-I				
Date Sampled			07/15/2009				
Date Prepared			07/16/2009				
Preparation Method			3550B				
Date Analyzed			07/17/2009				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			2				
Analytes	**MDL**	**PQL**	**Results**				
Dibenzofuran	0.50	1.00	ND				
1,2-Dichlorobenzene	0.50	1.00	ND				
1,3-Dichlorobenzene	0.50	1.00	ND				
1,4-Dichlorobenzene	0.50	1.00	ND				
3,3'-Dichlorobenzidine	0.50	1.00	ND				
2,4-Dichlorophenol	0.50	1.00	ND				
Diethyl phthalate (Diethyl ester)	0.50	1.00	ND				
Dimethyl phthalate (Dimethyl ester)	0.50	1.00	ND				
2,4-Dimethylphenol	0.50	1.00	ND				
4,6-Dinitro-2-methylphenol	0.50	1.00	ND				
2,4-Dinitrophenol	0.50	1.00	ND				
2,4-Dinitrotoluene	0.50	1.00	ND				
2,6-Dinitrotoluene (2,6-DNT)	0.50	1.00	ND				
Fluoranthene	0.50	1.00	ND				
Fluorene	0.50	1.00	ND				
Hexachlorobenzene	0.50	1.00	ND				
Hexachlorobutadiene	0.50	1.00	ND				
Hexachlorocyclopentadiene	0.50	1.00	ND				
Hexachloroethane	0.50	1.00	ND				
Indeno(1,2,3-cd)pyrene	0.50	1.00	ND				
Isophorone	0.50	1.00	ND				
2-Methylnaphthalene	0.50	1.00	ND				
4-Methylphenol	0.50	1.00	ND				
2-Methylphenol (2-Cresol)	0.50	1.00	ND				
3-Methylphenol (3-Cresol)	0.50	1.00	ND				
N-Nitroso-Di-n-propylamine	0.50	1.00	ND				
Naphthalene	0.50	1.00	ND				
2-Nitroaniline	0.50	1.00	ND				
3-Nitroaniline	0.50	1.00	ND				
4-Nitroaniline	0.50	1.00	ND				
Nitrobenzene (NB)	0.50	1.00	ND				
4-Nitrophenol	0.50	1.00	ND				
2-Nitrophenol (o-Nitrophenol)	0.50	1.00	ND				
N-nitrosodiphenylamine	0.50	1.00	ND				

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ANALYTICAL RESULTS

Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071609

Our Lab I.D.			**53458.01**				
Client Sample I.D.			49th-I				
Date Sampled			07/15/2009				
Date Prepared			07/16/2009				
Preparation Method			3550B				
Date Analyzed			07/17/2009				
Matrix			Soil				
Units			mg/Kg				
Dilution Factor			2				
Analytes	**MDL**	**PQL**	**Results**				
Pentachlorophenol	0.50	1.00	ND				
Phenanthrene	0.50	1.00	ND				
Phenol	0.50	1.00	ND				
Pyrene	0.50	1.00	ND				
1,2,4-Trichlorobenzene	0.50	1.00	ND				
2,4,5-Trichlorophenol	0.50	1.00	ND				
2,4,6-Trichlorophenol	0.50	1.00	ND				

Comment(s):
53458.01: Analyzed under dilution due to matrix interference

Our Lab I.D.			**53458.01**				
Surrogates	**%Rec.Limit**		**% Rec.**				
2-Fluorophenol	25-121		54.6				
2-Fluorobiphenyl	30-115		80.0				
Nitrobenzene-d5	23-120		72.2				
Phenol-d6	21-113		50.8				
p-Terphenyl-D14	18-137		93.6				
2,4,6-Tribromophenol	19-122		73.8				

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Site

49th Street Elementary School

Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 071709

Our Lab I.D.			Method Blank	53458.01			
Client Sample I.D.				49th-1			
Date Sampled				07/15/2009			
Date Prepared			07/17/2009	07/17/2009			
Preparation Method			3550B	3550B			
Date Analyzed			07/17/2009	07/17/2009			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Aldrin	1.0	2.0	ND	ND			
Chlordane (Total)	1.0	2.0	ND	2.61			
Chlordane (alpha)	1.0	2.0	ND	1.29J			
4,4'-DDD (DDD)	1.0	2.0	ND	ND			
4,4'-DDE (DDE)	1.0	2.0	ND	1.84J			
4,4'-DDT (DDT)	1.0	2.0	ND	3.77			
Dieldrin	1.0	2.0	ND	ND			
Endosulfan I	1.0	2.0	ND	ND			
Endosulfan II	1.0	2.0	ND	ND			
Endosulfan sulfate	1.0	2.0	ND	ND			
Endrin	1.0	2.0	ND	ND			
Endrin aldehyde	1.0	2.0	ND	ND			
Endrin ketone	1.0	2.0	ND	ND			
Chlordane (gamma)	1.0	2.0	ND	1.32J			
Heptachlor	1.0	2.0	ND	ND			
Heptachlor epoxide	1.0	2.0	ND	ND			
alpha-Hexachlorocyclohexane (Alpha-BHC)	1.0	2.0	ND	ND			
beta-Hexachlorocyclohexane (Betta-BHC)	1.0	2.0	ND	ND			
delta-Hexachlorocyclohexane (Delta-BHC)	1.0	2.0	ND	ND			
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	1.0	2.0	ND	ND			
Methoxychlor	5.0	10.0	ND	ND			
Toxaphene	85.0	170.0	ND	ND			

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ANALYTICAL RESULTS

Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

Our Lab I.D.			Method Blank	53458.01			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Decachlorobiphenyl	30-150		110	139			
Tetrachloro-m-xylene	30-150		112	133			

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Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 071709

Our Lab I.D.			Method Blank	**53458.01**			
Client Sample I.D.				49th-1			
Date Sampled				07/15/2009			
Date Prepared			07/17/2009	07/17/2009			
Preparation Method			3550B	3550B			
Date Analyzed			07/17/2009	07/17/2009			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Aroclor-1016 (PCB-1016)	25.0	50.0	ND	ND			
Aroclor-1221 (PCB-1221)	25.0	50.0	ND	ND			
Aroclor-1232 (PCB-1232)	25.0	50.0	ND	ND			
Aroclor-1242 (PCB-1242)	25.0	50.0	ND	ND			
Aroclor-1248 (PCB-1248)	25.0	50.0	ND	ND			
Aroclor-1254 (PCB-1254)	25.0	50.0	ND	ND			
Aroclor-1260 (PCB-1260)	25.0	50.0	ND	ND			
Aroclor-1262 (PCB-1262)	25.0	50.0	ND	ND			
Aroclor-1268 (PCB-1268)	25.0	50.0	ND	ND			
Our Lab I.D.			Method Blank	**53458.01**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Tetrachloro-m-xylene	30-150		115	143			

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49th Street Elementary School

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Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8141A), Organophosphorus Compounds by GC

QC Batch No: 071709

Our Lab I.D.			Method Blank	53458.01			
Client Sample I.D.				49th-1			
Date Sampled				07/15/2009			
Date Prepared			07/17/2009	07/17/2009			
Preparation Method			3550B	3550B			
Date Analyzed			07/21/2009	07/21/2009			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Azinphos-methyl	50	50	ND	ND			
Bolstar (Sulprofos)	50	50	ND	ND			
Chloropyrifos (Dursban)	50	50	ND	ND			
Coumaphos	50	50	ND	ND			
Demeton-O & S	50	50	ND	ND			
Diazinon	50	50	ND	ND			
Dichlorvos (DDVP, Diclorovos)	50	50	ND	ND			
Disulfoton	50	50	ND	ND			
Ethoprop	50	50	ND	ND			
Fensulfothion	50	50	ND	ND			
Fenthion	50	50	ND	ND			
Merphos	50	50	ND	ND			
Methyl parathion (Parathion methyl)	50	50	ND	ND			
Mevinphos	100	100	ND	ND			
Naled	100	100	ND	ND			
Phorate (Phosphorodithioic acid)	50	50	ND	ND			
Ronnel	50	50	ND	ND			
Tetrachlorvinphos (Stirophos)	50	50	ND	ND			
Tokuthion (Prothiofos)	50	50	ND	ND			
Trichloronate	50	50	ND	ND			

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ANALYTICAL RESULTS

Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8141A), Organophosphorus Compounds by GC

Our Lab I.D.			Method Blank	53458.01			
Surrogates	%Rec.Limit		% Rec.	% Rec.			
Tributylphosphate	40-140		96.0	99.0			

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49th Street Elementary School

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Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8151A), Chlorinated Herbicides by GC

QC Batch No: 072009

Our Lab I.D.			Method Blank	**53458.01**			
Client Sample I.D.				49th-1			
Date Sampled				07/15/2009			
Date Prepared			07/20/2009	07/20/2009			
Preparation Method			3550B	3550B			
Date Analyzed			07/21/2009	07/21/2009			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
2,4,5-T	20	20	ND	ND			
2,4,5-TP	20	20	ND	ND			
2,4-D	200	200	ND	ND			
2,4-DB	200	200	ND	ND			
Dalapon	500	500	ND	ND			
Dicamba	20	20	ND	ND			
Dichloroprop	200	200	ND	ND			
Dinoseb	100	100	ND	ND			
MCPA	20000	20000	ND	ND			
MCPP	20000	20000	ND	ND			
Our Lab I.D.			Method Blank	**53458.01**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
DCAA	50-150		99.0	98.0			

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49th Street Elementary School

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Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 072109

Our Lab I.D.			Method Blank	53458.01			
Client Sample I.D.				49th-1			
Date Sampled				07/15/2009			
Date Prepared			07/21/2009	07/21/2009			
Preparation Method			3050B	3050B			
Date Analyzed			07/21/2009	07/21/2009			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Antimony	1.0	5.0	ND	ND			
Arsenic	1.0	5.0	ND	9.85			
Barium	2.5	5.0	ND	103			
Beryllium	1.3	2.5	ND	ND			
Cadmium	1.3	2.5	ND	ND			
Chromium	2.5	5.0	ND	12.8			
Cobalt	2.5	5.0	ND	8.00			
Copper	2.5	5.0	ND	12.4			
Lead	2.5	5.0	ND	17.8			
Mercury (By EPA 7471)	0.1	0.2	ND	ND			
Molybdenum	2.5	5.0	ND	ND			
Nickel	2.5	5.0	ND	8.75			
Selenium	1.0	5.0	ND	ND			
Silver	2.5	5.0	ND	ND			
Thallium	1.0	5.0	ND	ND			
Vanadium	2.5	5.0	ND	30.8			
Zinc	2.5	5.0	ND	115			

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Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Analytes			Chromium (VI)	Arsenic	Thallium	
Methods of Analyses			(7199)	(6020B)	(6020B)	
Date Prepared			07/16/2009	07/21/2009	07/21/2009	
Date Analyzed			07/16/2009	07/21/2009	07/21/2009	
Matrix			Soil	Soil	Soil	
QC Batch Number			071609	072109	072109	
Units			mg/Kg	mg/Kg	mg/Kg	
Method Detection Limit			0.20	0.30	0.30	
Practical Quantitation Limit			0.20	1.00	1.00	
Dilution Factor			1	1	1	
Lab ID	**Sample ID**	**Sampled**	**Results**	**Results**	**Results**	
53458.01	49th-1	07/15/2009	ND	10.5	ND	
N/A	Method Blank	07/15/2009	ND	ND	ND	

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Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720093A1

Our Lab I.D.			Method Blank	53458.02			
Client Sample I.D.				49th-1A			
Date Sampled				07/15/2009			
Date Prepared			07/20/2009	07/20/2009			
Preparation Method			5035A	5035A			
Date Analyzed			07/20/2009	07/20/2009			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acetone	25	50	ND	ND			
Benzene	1.0	10.0	ND	ND			
Bromobenzene (Phenyl bromide)	5.0	10.0	ND	ND			
Bromochloromethane	5.0	10.0	ND	ND			
Bromodichloromethane	5.0	10.0	ND	ND			
Bromoform (Tribromomethane)	25	50	ND	ND			
Bromomethane (Methyl bromide)	15	30	ND	ND			
2-Butanone (MEK)	25	50	ND	ND			
n-Butylbenzene	5.0	10.0	ND	ND			
sec-Butylbenzene	5.0	10.0	ND	ND			
tert-Butylbenzene	5.0	10.0	ND	ND			
Carbon Disulfide	25	50	ND	ND			
Carbon tetrachloride	5.0	10.0	ND	ND			
Chlorobenzene	5.0	10.0	ND	ND			
Chloroethane	15	30	ND	ND			
2-Chloroethyl vinyl ether	50	50	ND	ND			
Chloroform (Trichloromethane)	5.0	10.0	ND	ND			
Chloromethane (Methyl chloride)	15	30	ND	ND			
2-Chlorotoluene	5.0	10.0	ND	ND			
4-Chlorotoluene	5.0	10.0	ND	ND			
1,2-Dibromo-3-chloropropane (DBCP)	25	50	ND	ND			
Dibromochloromethane	5.0	10.0	ND	ND			
1,2-Dibromoethane (EDB)	5.0	10.0	ND	ND			
Dibromomethane	5.0	10.0	ND	ND			
1,2-Dichlorobenzene	5.0	10.0	ND	ND			
1,3-Dichlorobenzene	5.0	10.0	ND	ND			
1,4-Dichlorobenzene	5.0	10.0	ND	ND			

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ANALYTICAL RESULTS

Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720093A1

Our Lab I.D.			Method Blank	53458.02			
Client Sample I.D.				49th-1A			
Date Sampled				07/15/2009			
Date Prepared			07/20/2009	07/20/2009			
Preparation Method			5035A	5035A			
Date Analyzed			07/20/2009	07/20/2009			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Dichlorodifluoromethane	15	30	ND	ND			
1,1-Dichloroethane	5.0	10.0	ND	ND			
1,2-Dichloroethane (EDC)	5.0	10.0	ND	ND			
1,1-Dichloroethene	5.0	10.0	ND	ND			
cis-1,2-Dichloroethene	5.0	10.0	ND	ND			
trans-1,2-Dichloroethene	5.0	10.0	ND	ND			
1,2-Dichloropropane	5.0	10.0	ND	ND			
1,3-Dichloropropane	5.0	10.0	ND	ND			
2,2-Dichloropropane	5.0	10.0	ND	ND			
1,1-Dichloropropene	5.0	10.0	ND	ND			
cis-1,3-Dichloropropene	5.0	10.0	ND	ND			
trans-1,3-Dichloropropene	5.0	10.0	ND	ND			
Ethylbenzene	1.0	10.0	ND	ND			
Hexachlorobutadiene	15	30	ND	ND			
2-Hexanone	25	50	ND	ND			
Isopropylbenzene	5.0	10.0	ND	ND			
p-Isopropyltoluene	5.0	10.0	ND	ND			
4-Methyl-2-pentanone (MIBK)	25	50	ND	ND			
Methyl-tert-butyl ether (MTBE)	2.0	10.0	ND	ND			
Methylene chloride (DCM)	25	50	ND	ND			
Naphthalene	5.0	10.0	ND	ND			
n-Propylbenzene	5.0	10.0	ND	ND			
Styrene	5.0	10.0	ND	ND			
1,1,1,2-Tetrachloroethane	5.0	10.0	ND	ND			
1,1,2,2-Tetrachloroethane	5.0	10.0	ND	ND			
Tetrachloroethene	5.0	10.0	ND	ND			
Toluene (Methyl benzene)	1.0	10.0	ND	ND			
1,2,3-Trichlorobenzene	5.0	10.0	ND	ND			
1,2,4-Trichlorobenzene	5.0	10.0	ND	ND			
1,1,1-Trichloroethane	5.0	10.0	ND	ND			
1,1,2-Trichloroethane	5.0	10.0	ND	ND			
Trichloroethene	5.0	10.0	ND	ND			
Trichlorofluoromethane	5.0	10.0	ND	ND			
1,2,3-Trichloropropane	5.0	10.0	ND	ND			

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ANALYTICAL RESULTS

Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720093A1

Our Lab I.D.			Method Blank	**53458.02**			
Client Sample I.D.				49th-IA			
Date Sampled				07/15/2009			
Date Prepared			07/20/2009	07/20/2009			
Preparation Method			5035A	5035A			
Date Analyzed			07/20/2009	07/20/2009			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
1,2,4-Trimethylbenzene	5.0	10.0	ND	ND			
1,3,5-Trimethylbenzene	5.0	10.0	ND	ND			
Vinyl Acetate	25	50	ND	ND			
Vinyl chloride (Chloroethene)	15	30	ND	ND			
o-Xylene	1.0	10.0	ND	ND			
m,p-Xylenes	1.0	20.0	ND	ND			
Our Lab I.D.			Method Blank	**53458.02**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		118	115			
Dibromofluoromethane	75-125		103	103			
Toluene-d8	75-125		109	103			

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49th Street Elementary School

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Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 071609

Our Lab I.D.			Method Blank	**53458.02**			
Client Sample I.D.				49th-1A			
Date Sampled				07/15/2009			
Date Prepared			07/16/2009	07/16/2009			
Preparation Method			5035A	5035A			
Date Analyzed			07/16/2009	07/16/2009			
Matrix			Soil	Soil			
Units			mg/Kg	mg/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
TPH as Gasoline and Light HC. (C4-C12)	0.100	1.000	ND	ND			
Our Lab I.D.			Method Blank	**53458.02**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Bromofluorobenzene	75-125		113	101			

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49th Street Elementary School

Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 072109; Dup or Spiked Sample: 53488.07; LCS: Clean Sand; QC Prepared: 07/21/2009; QC Analyzed: 07/21/2009; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Antimony	ND	50.0	49.0	98.0	50.0	50.5	101	3.0	80-120	<15
Arsenic	1.95	50.0	53.0	102	50.0	53.0	102	<1	80-120	<15
Barium	145	50.0	191	92.0	50.0	191	92.0	<1	80-120	<15
Beryllium	ND	50.0	55.0	110	50.0	55.0	110	<1	80-120	<15
Cadmium	1.65	50.0	50.5	97.7	50.0	51.0	98.7	1.0	80-120	<15
Chromium	25.4	50.0	75.0	99.2	50.0	75.0	99.2	<1	80-120	<15
Cobalt	8.60	50.0	57.0	96.8	50.0	57.5	97.8	1.0	80-120	<15
Copper	21.1	50.0	73.6	105	50.0	73.6	105	<1	80-120	<15
Lead	5.80	50.0	52.0	92.4	50.0	52.5	93.4	1.1	80-120	<15
Mercury (By EPA 7471)	ND	0.500	0.540	108	0.500	0.540	108	<1	80-120	<15
Molybdenum	ND	50.0	52.0	104	50.0	52.5	105	<1	80-120	<15
Nickel	24.7	50.0	72.0	94.6	50.0	73.0	96.6	2.1	80-120	<15
Selenium	ND	50.0	51.0	102	50.0	51.0	102	<1	80-120	<15
Silver	ND	50.0	45.4	90.8	50.0	45.4	90.8	<1	80-120	<15
Thallium	ND	50.0	40.8	81.6	50.0	41.5	83.0	1.7	80-120	<15
Vanadium	48.1	50.0	98.6	101	50.0	98.6	101	<1	80-120	<15
Zinc	68.5	50.0	117	97.0	50.0	117	97.0	<1	80-120	<15

QC Batch No: 072109; Dup or Spiked Sample: 53488.07; LCS: Clean Sand; QC Prepared: 07/21/2009; QC Analyzed: 07/21/2009; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Antimony	50.0	50.0	100	80-120						
Arsenic	50.0	51.5	103	80-120						
Barium	50.0	51.5	103	80-120						
Beryllium	50.0	57.0	114	80-120						
Cadmium	50.0	53.5	107	80-120						
Chromium	50.0	53.0	106	80-120						
Cobalt	50.0	52.5	105	80-120						
Copper	50.0	51.0	102	80-120						
Lead	50.0	50.5	101	80-120						

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Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (6010B/7000CAM), CAM Title 22 Metals (SW-846)

QC Batch No: 072109; Dup or Spiked Sample: 53488.07; LCS: Clean Sand; QC Prepared: 07/21/2009; QC Analyzed: 07/21/2009; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Mercury (By EPA 7471)	0.500	0.525	105	80-120						
Molybdenum	50.0	52.0	104	80-120						
Nickel	50.0	52.5	105	80-120						
Selenium	50.0	52.5	105	80-120						
Silver	50.0	46.6	93.1	80-120						
Thallium	50.0	51.0	102	80-120						
Vanadium	50.0	53.0	106	80-120						
Zinc	50.0	53.5	107	80-120						

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Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (6020B), Arsenic and Thallium metals by ICP/MS

QC Batch No: 072109; Dup or Spiked Sample: 53457.01; LCS: Clean Sand; QC Prepared: 07/21/2009; QC Analyzed: 07/21/2009; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Arsenic	0.650	10.0	9.30	86.5	10.0	9.15	85.0	1.7	80-120	<15
Thallium	ND	10.0	9.00	90.0	10.0	9.30	93.0	3.3	80-120	<15

QC Batch No: 072109; Dup or Spiked Sample: 53457.01; LCS: Clean Sand; QC Prepared: 07/21/2009; QC Analyzed: 07/21/2009; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Arsenic	10.0	9.90	99.0	80-120						
Thallium	10.0	9.85	98.5	80-120						

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Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (7199), Chromium Hexavalent by Ion Chromatography

QC Batch No: 071609; Dup or Spiked Sample: 53457.01; LCS: Clean Sand; QC Prepared: 07/16/2009; QC Analyzed: 07/16/2009; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Chromium (VI)	0.00	0.250	0.255	102	0.250	0.253	101	<1	75-125	<20

QC Batch No: 071609; Dup or Spiked Sample: 53457.01; LCS: Clean Sand; QC Prepared: 07/16/2009; QC Analyzed: 07/16/2009; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Chromium (VI)	0.250	0.245	98.0	80-120						

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Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8081A), Organochlorine Pesticides by GC

QC Batch No: 071709; Dup or Spiked Sample: 53450.01; LCS: Clean Sand; QC Prepared: 07/17/2009; QC Analyzed: 07/17/2009; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aldrin	0.00	20.0	23.2	116	20.0	23.2	116	<1	40-150	<40
4,4'-DDT (DDT)	0.00	50.0	58.5	117	50.0	62.0	124	5.8	40-150	<40
Dieldrin	0.00	50.0	54.5	109	50.0	56.0	112	2.7	40-150	<40
Endrin	0.00	50.0	59.5	119	50.0	61.0	122	2.5	40-150	<40
Heptachlor	0.00	20.0	25.4	127	20.0	25.4	127	<1	40-150	<40
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	0.00	20.0	22.4	112	20.0	22.2	111	<1	40-150	<40
Surrogates										
Decachlorobiphenyl	0.00	50.0	65.0	130	50.0	65.5	131	<1	30-150	<40
Tetrachloro-m-xylene	0.00	50.0	67.5	135	50.0	67.5	135	<1	30-150	<40

QC Batch No: 071709; Dup or Spiked Sample: 53450.01; LCS: Clean Sand; QC Prepared: 07/17/2009; QC Analyzed: 07/17/2009; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Aldrin	20.0	20.2	101	40-150						
4,4'-DDT (DDT)	50.0	58.5	117	40-150						
Dieldrin	50.0	49.8	99.6	40-150						
Endrin	50.0	55.0	110	40-150						
Heptachlor	20.0	22.8	114	40-150						
gamma-Hexachlorocyclohexane (Gamma-BHC, Lindane)	20.0	20.6	103	40-150						
Surrogates										
Decachlorobiphenyl	50.0	59.0	118	30-150						
Tetrachloro-m-xylene	50.0	56.0	112	30-150						

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Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8082), Polychlorinated Biphenyls (PCBs) by GC

QC Batch No: 071709; Dup or Spiked Sample: 53456.16; LCS: Clean Sand; QC Prepared: 07/17/2009; QC Analyzed: 07/17/2009; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Aroclor-1260 (PCB-1260)	0.00	500	520	104	500	540	108	3.8	50-150	<50
Surrogates										
Tetrachloro-m-xylene	0.00	50.0	61.5	123	50.0	56.0	112	9.4	30-150	<20

QC Batch No: 071709; Dup or Spiked Sample: 53456.16; LCS: Clean Sand; QC Prepared: 07/17/2009; QC Analyzed: 07/17/2009; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Aroclor-1260 (PCB-1260)	500	555	111	50-150						
Surrogates										
Tetrachloro-m-xylene	50.0	57.5	115	30-150						

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Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8141A), Organophosphorus Compounds by GC

QC Batch No: 071709; Dup or Spiked Sample: B071709; LCS: Clean Sand; QC Prepared: 07/17/2009; QC Analyzed: 07/21/2009; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Bolstar (Sulprofos)	0.00	2,500	1,830	73.0	2,500	1,800	72.0	1.4	40-140	<30
Ethoprop	0.00	2,500	1,650	66.0	2,500	1,650	66.0	<1	40-140	<30
Phorate (Phosphorodithioic acid)	0.00	2,500	1,780	71.0	2,500	1,750	70.0	1.4	40-140	<30
Ronnel	0.00	2,500	1,680	67.0	2,500	1,750	70.0	4.4	40-140	<30

QC Batch No: 071709; Dup or Spiked Sample: B071709; LCS: Clean Sand; QC Prepared: 07/17/2009; QC Analyzed: 07/21/2009; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Bolstar (Sulprofos)	250	200	80.0	40-140						
Ethoprop	250	183	73.0	40-140						
Phorate (Phosphorodithioic acid)	250	195	78.0	40-140						
Ronnel	250	243	97.0	40-140						

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49th Street Elementary School

Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8151A), Chlorinated Herbicides by GC

QC Batch No: 072009; Dup or Spiked Sample: B072009; LCS: Clean Sand; QC Prepared: 07/20/2009; QC Analyzed: 07/21/2009; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
2,4,5-T	0.00	500	410	82.0	500	440	88.0	7.1	50-150	<20
2,4-D	0.00	5,000	4,650	93.0	5,000	4,850	97.0	4.2	50-150	<20
Dinoseb	0.00	2,500	2,150	86.0	2,500	2,150	86.0	<1	50-150	<20

QC Batch No: 072009; Dup or Spiked Sample: B072009; LCS: Clean Sand; QC Prepared: 07/20/2009; QC Analyzed: 07/21/2009; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
2,4,5-T	50.0	30.0	60.0	50-150						
2,4,5-TP	50.0	31.0	62.0	50-150						
2,4-D	500	340	68.0	50-150						
2,4-DB	500	365	73.0	50-150						
Dalapon	1,250	838	67.0	50-150						
Dicamba	50.0	31.5	63.0	50-150						
Dichloroprop	500	365	73.0	50-150						
Dinoseb	250	183	73.0	50-150						
MCPA	50,000	42,000	84.0	50-150						
MCPP	50,000	49,500	99.0	50-150						

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Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8260B), Volatile Organic Compounds by GC/MS (SW846)

QC Batch No: 0720093A1; Dup or Spiked Sample: B0720093A1; LCS: Clean Sand; QC Prepared: 07/20/2009; QC Analyzed: 07/20/2009; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Benzene	0.00	50.0	43.7	87.4	50.0	45.0	90.0	2.93	75-125	<20
Chlorobenzene	0.00	50.0	47.9	95.8	50.0	50.5	101	5.28	75-125	<20
1,1-Dichloroethene	0.00	50.0	39.8	79.6	50.0	38.2	76.4	4.10	75-125	<20
Methyl-tert-butyl ether (MTBE)	0.00	50.0	49.3	98.6	50.0	48.5	97.0	1.64	75-125	<20
Toluene (Methyl benzene)	0.00	50.0	40.3	80.6	50.0	41.8	83.6	3.65	75-125	<20
Trichloroethene	0.00	50.0	52.0	104	50.0	52.0	104	<1	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	50.0	41.1	82.1	50.0	41.1	82.1	<1	75-125	<20
Dibromofluoromethane	0.00	50.0	47.3	94.6	50.0	45.3	90.6	4.23	75-125	<20
Toluene-d8	0.00	50.0	44.4	88.7	50.0	45.5	91.0	2.59	75-125	<20

QC Batch No: 0720093A1; Dup or Spiked Sample: B0720093A1; LCS: Clean Sand; QC Prepared: 07/20/2009; QC Analyzed: 07/20/2009; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Benzene	50.0	42.0	84.0	75-125						
Chlorobenzene	50.0	42.0	84.0	75-125						
1,1-Dichloroethene	50.0	39.2	78.4	75-125						
Methyl-tert-butyl ether (MTBE)	50.0	47.4	94.8	75-125						
Toluene (Methyl benzene)	50.0	37.0	74.0	75-125						
Trichloroethene	50.0	49.4	98.8	75-125						
LCS										
Chloroform (Trichloromethane)	50.0	46.9	93.8	75-125						
Ethylbenzene	50.0	47.4	94.8	75-125						
1,1,1-Trichloroethane	50.0	62.8	126	75-125						
o-Xylene	50.0	49.1	98.2	75-125						
m,p-Xylenes	100	95.4	95.4	75-125						
Surrogates										
Bromofluorobenzene	50.0	43.2	86.5	75-125						
Dibromofluoromethane	50.0	49.2	98.3	75-125						
Toluene-d8	50.0	44.0	88.1	75-125						

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QUALITY CONTROL RESULTS

Ordered By

Converse Consultants
222 E. Huntington Drive
Suite 211
Monrovia, CA 91016-8006

Telephone: (626)930-1200
Attn: Michael Van Fleet

Site

49th Street Elementary School

Page: 30

Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071609; Dup or Spiked Sample: 53468.04; LCS: Clean Sand; QC Prepared: 07/16/2009; QC Analyzed: 07/17/2009; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
Acenaphthene	0.00	5.00	3.95	79.0	5.00	3.55	71.0	10.7	46-118	<20
4-Chloro-3-methylphenol	0.00	10.0	8.15	81.5	10.0	7.20	72.0	12.4	39-98	<20
2-Chlorophenol	0.00	10.0	6.70	67.0	10.0	5.85	58.5	13.5	27-123	<20
1,4-Dichlorobenzene	0.00	5.00	3.40	68.0	5.00	2.90	58.0	15.9	36-97	<20
2,4-Dinitrotoluene	0.00	5.00	3.40	68.0	5.00	3.10	62.0	9.2	24-96	<20
N-Nitroso-Di-n-propylamine	0.00	5.00	3.35	67.0	5.00	3.00	60.0	11.0	41-116	<20
4-Nitrophenol	0.00	10.0	5.00	50.0	10.0	4.70	47.0	6.2	10-80	<20
Pentachlorophenol	0.00	10.0	6.45	64.5	10.0	5.95	59.5	8.1	40-125	<20
Phenol	0.00	10.0	6.50	65.0	10.0	5.65	56.5	14.0	12-89	<20
Pyrene	0.00	5.00	4.30	86.0	5.00	3.95	79.0	8.5	26-127	<20
1,2,4-Trichlorobenzene	0.00	5.00	4.15	83.0	5.00	3.65	73.0	12.8	39-98	<20
Surrogates										
2-Fluorophenol	0.00	5.00	2.85	57.0	5.00	2.51	50.2	12.7	25-121	<20
2-Fluorobiphenyl	0.00	2.50	1.98	79.0	2.50	1.80	72.0	9.3	30-115	<20
Nitrobenzene-d5	0.00	2.50	1.82	72.8	2.50	1.67	66.8	8.6	23-120	<20
p-Terphenyl-D14	0.00	2.50	2.23	89.2	2.50	2.02	80.8	9.9	18-137	<20
Phenol-d6	0.00	5.00	3.06	61.2	5.00	2.71	54.2	12.1	24-113	<20
2,4,6-Tribromophenol	0.00	5.00	3.81	76.1	5.00	3.47	69.3	9.4	19-122	<20

QC Batch No: 071609; Dup or Spiked Sample: 53468.04; LCS: Clean Sand; QC Prepared: 07/16/2009; QC Analyzed: 07/17/2009; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Acenaphthene	5.00	4.45	89.0	31-137						
4-Chloro-3-methylphenol	10.0	9.05	90.5	40-99						
2-Chlorophenol	10.0	7.25	72.5	25-102						
1,4-Dichlorobenzene	5.00	3.65	73.0	28-104						
2,4-Dinitrotoluene	5.00	4.35	87.0	28-89						
N-Nitroso-Di-n-propylamine	5.00	3.75	75.0	41-126						
4-Nitrophenol	10.0	7.85	78.5	11-114						
Pentachlorophenol	10.0	6.55	65.5	17-125						

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QUALITY CONTROL RESULTS

Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (8270C), Semivolatile Organic Compounds by GC/MS (SW-846)

QC Batch No: 071609; Dup or Spiked Sample: 53468.04; LCS: Clean Sand; QC Prepared: 07/16/2009; QC Analyzed: 07/17/2009; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
Phenol	10.0	7.20	72.0	26-90						
Pyrene	5.00	5.05	101	35-142						
1,2,4-Trichlorobenzene	5.00	4.35	87.0	38-107						
Surrogates										
2-Fluorophenol	5.00	3.21	64.1	25-121						
2-Fluorobiphenyl	2.50	2.21	88.4	30-115						
Nitrobenzene-d5	2.50	2.04	81.6	23-120						
p-Terphenyl-D14	2.50	2.60	104	18-137						
Phenol-d6	5.00	3.49	69.7	24-113						
2,4,6-Tribromophenol	5.00	4.33	86.5	19-122						

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QUALITY CONTROL RESULTS

Ordered By

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Suite 211
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Telephone: (626)930-1200
Attn: Michael Van Fleet

Site

49th Street Elementary School

Page: 32

Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (M8015D), TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 071609; Dup or Spiked Sample: 53468.05; LCS: Clean Sand; QC Prepared: 07/16/2009; QC Analyzed: 07/16/2009; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Diesel (C13-C22)	0.00	500	425	85.0	500	461	92.2	8.1	75-125	<20
Surrogates										
Chlorobenzene	0.00	100	94.4	94.4	100	100	100	5.8	75-125	<20

QC Batch No: 071609; Dup or Spiked Sample: 53468.05; LCS: Clean Sand; QC Prepared: 07/16/2009; QC Analyzed: 07/16/2009; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Diesel (C13-C22)	500	469	93.8	75-125						
Surrogates										
Chlorobenzene	100	97.3	97.3	75-125						

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Site

49th Street Elementary School

Page: 33

Project ID: 09-41-154-01
Project Name: 49th Street Elementary School

AETL Job Number	Submitted	Client
53458	07/15/2009	CONVRS

Method: (M8015G), TPH as Gasoline and Light Hydrocarbons Using GC/FID

QC Batch No: 071609; Dup or Spiked Sample: 53457.02; LCS: Clean Sand; QC Prepared: 07/16/2009; QC Analyzed: 07/16/2009; Units: mg/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
TPH as Gasoline and Light HC. (C4-C12)	0.00	2.50	2.38	95.0	2.50	2.25	90.0	5.4	75-125	<20
Surrogates										
Bromofluorobenzene	0.00	0.0500	0.0560	112	0.0500	0.0475	95.0	16.4	75-125	<20

QC Batch No: 071609; Dup or Spiked Sample: 53457.02; LCS: Clean Sand; QC Prepared: 07/16/2009; QC Analyzed: 07/16/2009; Units: mg/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS/LCSD % Limit						
TPH as Gasoline and Light HC. (C4-C12)	2.50	2.50	100	75-125						
Surrogates										
Bromofluorobenzene	0.0500	0.0510	102	75-125						

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Data Qualifiers and Descriptors

Data Qualifier:

*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

DATE: 12-27-2021

TANYA MACLEAN

TETRA TECH

17885 VON KARMAN AVENUE, SUITE 500

IRVINE, CALIFORNIA 92614

102-ENV-T37254.13

TEXAS ENVIRONMENTAL RESEARCH

126 SCEPTRE DRIVE TEL: (972) 772-4283
ROCKWALL, TEXAS 75032 FAX: (972) 772-4283

ENVIRONMENTAL LIEN AND OTHER ACTIVITY USE LIMITATIONS (AUL) SEARCH

THE ATTACHED REPORT IS BEING PROVIDED TO APPLICANT SOLELY FOR THE PURPOSE OF FACILITATING LANDOWNER OR PURCHASE DEFENSES WHICH MAY BE AVAILABLE UNDER THE LIABILITY ACT OF 1980, AS AMENDED. IT IS PROVIDED FOR THE SOLE USE AND BENEFIT OF APPLICANT AND MAY NOT BE USED OR RELIED UPON BY ANY OTHER PARTY FOR ANY REASON.

NOTE: THIS SEARCH REPRESENTS SURFACE CONVEYANCES ONLY. TOTAL LIABILITY OF TEXAS ENVIRONMENTAL RESEARCH COMPANY IS LIMITED TO THE AMOUNT PAID FOR THIS REPORT.

THIS REPORT WAS PREPARED FOR THE PURPOSE OF ASSISTING IN AN ENVIRONMENTAL HAZARD INSPECTION OF THE FOLLOWING DESCRIBED PROPERTY.

LEGAL DESCRIPTION: PARCEL: 5108-011-909 AND 5108-011-910, 750 EAST 49TH STREET, LOS ANGELES COUNTY, CALIFORNIA.

CURRENT OWNER: LA UNIFIED SCHOOL DISTRICT.

DATE : SEPTEMBER 25, 1969

INSTRUMENT: WARRANTY DEED

GRANTOR : LA UNIFIED SCHOOL, TRUSTEES

GRANTEE : LA UNIFIED SCHOOL DISTRICT

FILE NO. : 652871

DATE : AUGUST 14, 1943

INSTRUMENT: WARRANTY DEED

GRANTOR : CITY OF LOS ANGELES

GRANTEE : LA UNIFIED SCHOOL, TRUSTEES

FILE NO. : 289153

DATE : MARCH 11, 1937

INSTRUMENT: WARRANTY DEED

GRANTOR : J.A. MCKINLEY

GRANTEE : CITY OF LOS ANGELES

FILE NO. : 876291

EASEMENTS : UTILITY EASEMENT.

ENVIRONMENTAL LIEN AND AUL SEARCH

AFTER COMPLETING AN ENVIRONMENTAL LIEN AND OTHER ACTIVITY AND USE LIMITATION SEARCH A FINDING THAT NO ENVIRONMENTAL LIENS OR AUL'S HAVE BEEN FILED OF PUBLIC RECORD AND THAT IT HAS BEEN DETERMINED THAT THE PROPERTY RESEARCHED IN THIS REPORT COMPLIES WITH ASTM E 1527-21-SEC. 8.3.4.9 AND SECTION 6.2

THIS REPORT MEETS OR EXCEEDS A.S.T.M. E 1527-21.

Preliminary Environmental Screening of Proposed Project at Existing School Site

Appendix A: Environmental Existing School Screening Criteria Checklist	Project: 49th Street Elementary School 750 E. 49th Street, Los Angeles, CA 90011		
Selection Criteria	**Yes**	**No**	**Comments**
Powerlines/Electromagnetic Fields [CCR, Title 5, 14010(c)]			
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from 50-133 kV powerlines/electromagnetic fields within 100 feet of the Site?		**X**	Based on the Site reconnaissance, overhead electrical lines were observed along East 50th Street, bordering the Site to the south. The voltage rating of these lines is unknown. Because the proposed project is within the existing school campus, it would not create or exacerbate safety risks from high voltage power transmission lines.
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from 220-230 kV powerlines/electromagnetic fields within 150 feet of the Site?		**X**	
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from 500-550 kV powerlines/electromagnetic fields within 350 feet of the Site?		**X**	
Railroads [CCR, Title 5, 14010(d)]			
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from railroads within 1,500 feet of the Site?		**X**	No railroad tracks were observed within 1,500 feet of the Site. The project would not create or exacerbate safety risks from railroads.
Traffic Noise [CCR, Title 5, 14010(e)]			
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from adjacent roads or freeways that will adversely affect the educational program?		**X**	The project is within the existing campus and therefore will not place students nearer to adjacent roadways or freeways, and will not create or exacerbate noise impacts to students.
Faults [CCR, Title 5, 14010(f)]			
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from an active earthquake fault or fault trace which may be on-Site?		**X**	The project is not anticipated to create any new significant safety hazards or exacerbate any existing safety hazards to students in regards to an active earthquake fault or fault trace which may be on-Site. A review of the available Alquist-Priolo Special Studies Zone mapping at the California Geological Survey, California Earthquake Hazards Zone Application (EQ Zapp) indicated that the Site is not located within an Alquist-Priolo Special Studies Zone. No further review of mapped or unmapped faults in the area was included in the scope of work.
Flood or Inundation Area [CCR, Title 5, 14010(g)]			
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from flooding or dam inundation?		**X**	The Federal Emergency Management Administration (FEMA) Flood Insurance Rate Map (FIRM) and Environmental Data Resources, Inc. (EDR) database report were reviewed to determine if the Site is located in a designated flood hazard area. Based on the review of the applicable FEMA FIRM and EDR database report, the Site is not located in either a 100- or a 500-year potential flood hazard area. According to the Zone Information and Map Access System (ZIMAS) website, the Site is not identified as within a Tsunami Inundation Zone. According to the United States Army Corps of Engineers, no dams in the Los Angeles County area have emergency plans that identify the Site area as lying within the within a possible flood inundation area. No aboveground water reservoirs were observed or noted on topographic maps within one mile of the Site. The proposed project is within the existing campus and does not change the Site elevation or drainage patterns, and therefore would not create or exacerbate the risk of flood or inundation.
Liquefaction and Landslides [CCR, Title 5, 14010(i)]			
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from liquefaction or landslides?		**X**	The project is not anticipated to create any new significant safety hazards or exacerbate any existing safety hazards to students in regards to liquefaction and landslides. A review of the available mapping of liquefaction and landslide hazard zones at the California Geological Survey, California Earthquake Hazards Zone Application (EQ Zapp) indicated that the Site is not located within a known liquefaction or landslide hazard zone. According to the ZIMAS website, the Site is not identified as within a Landslide or Liquefaction Zone. The proposed project is within the existing campus, and therefore would not create or exacerbate the risk of liquefaction or landslide.

Preliminary Environmental Screening of Proposed Project at Existing School Site

Appendix A: Environmental Existing School Screening Criteria Checklist	Project: 49th Street Elementary School 750 E. 49th Street, Los Angeles, CA 90011		
Selection Criteria	**Yes**	**No**	**Comments**
Pipelines and Above-Ground Tanks [CCR, Title 5, 14010(h)]			
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from nearby above-ground water or fuel storage tanks?		X	No aboveground tanks were noted in the Site vicinity. The project is within the existing campus and therefore unlikely to exacerbate safety risks to students related to off-Site aboveground tanks.
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from above-ground or underground pipelines located within 1,500 feet of the Site?		X	There are no high pressure gas or hazardous liquid pipelines within 1,500 feet of the Site based on review of the National Pipeline Mapping System (NPMS) public viewer website. Pipelines were not observed on or near the Site during the Site reconnaissance. The project is within the existing campus and, therefore, unlikely to exacerbate safety risks to students related to offsite pipelines.
Traffic and Pedestrian Safety [CCR, Title 5, 14010(l)]			
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from an adjacent major arterial street?		X	LAUSD will complete comprehensive modernization of the existing school site and there will be no expected increase in student population, nor increase in pedestrians and traffic on adjacent streets.
Compatible Zoning [CCR, Title 5, 14010(m)]			
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from the zoning surrounding the Site?		X	The project is within the existing campus and therefore has no impact on the surrounding zoning.
Light, Wind, Air Pollution [CCR, Title 5, 14010(q)]			
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from light, wind or air pollution?		X	The project and existing campus are not located with 500 feet of a major transportation corridor. No major stationary source of emissions was noted within 500 feet of the Site. However, a search of SCAQMD records was not requested for the area surrounding the Site. LAUSD OEHS reported that the Site is not on its Priority List of Schools Most at Risk from Air Pollution. OEHS reported that the Site is not in the vicinity of any previously identified high-risk facility.
Easements [CCR, Title 5, 14010(r)]			
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from easements on or adjacent to the site which may restrict access or building placement?		X	No documents were provided by LAUSD that showed building easements that could be used to evaluate access or building placement restrictions. No easements that could create new significant safety hazardous were reported by LAUSD.
Border Zone Property [CCR, Title 5, 14010(t)]			
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from a significant disposal of hazardous waste within 2,000 ft. of the Site?		X	According to the EDR database report, no facilities within 2,000 feet of the Site are classified as hazardous waste disposal sites. In addition, the Site is not classified as a Border Zone property according to the ZIMAS website.
Cellular Phone Towers [LAUSD Board Resolution]			
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from a cellular phone tower on or adjacent to the Site?		X	No telecommunication towers were observed on or adjacent to the Site.
Air Pollution [LAUSD Board Resolution]			
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from a major transportation corridor (freeway, major rail line) within 500 feet?		X	No major transportation corridors are located within 500 feet of the Site.
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from a major stationary source of emissions within 500 feet?		X	No major stationary source of emissions was noted within 500 feet of the Site. However, a search of SCAQMD records was not requested for the area surrounding the Site.
Is the school on the Priority List of Schools Most at Risk from Air Pollution?		X	LAUSD OEHS reported that the Site is not on its Priority List of Schools Most at Risk from Air Pollution.
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from a high-risk facility previously identified by OEHS?		X	OEHS reported that the Site is not in the vicinity of any previously identified high-risk facility.
Methane Zone			
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from a known methane zone or oil field?		X	Based on a review of the City of Los Angeles Methane Zone Map and the ZIMAS website, the Site is not located within either a Methane Zone or a Methane Buffer Zone.

Preliminary Environmental Screening of Proposed Project at Existing School Site

Appendix A: Environmental Existing School Screening Criteria Checklist	Project: 49th Street Elementary School 750 E. 49th Street, Los Angeles, CA 90011		
Selection Criteria	**Yes**	**No**	**Comments**
Oil Wells			
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from an on-Site oil well?		**X**	No oil wells were found within the Site nor within 0.25 mile of the Site.
Airports			
Will the project create any new significant safety hazards or exacerbate any existing safety hazards to students from an airport within two nautical miles of the Site?		**X**	The project is not located with 2 nautical miles of an airport.

APPENDIX E
RECORDS OF COMMUNICATION

TETRA TECH

17885 Von Karman Avenue, Suite 500
Irvine, CA 92614
Direct #: (949) 809-5080 | Main #: (949) 809-5000 | Main Fax #: (949) 809-5010

December 17, 2021

California Environmental Protection Agency
Department of Toxic Substances Control
9211 Oakdale Avenue
Chatsworth, CA 91311

Phone: (818) 717-6500
Fax: (818) 717-6526
ChatsworthFileRoom@dtsc.ca.gov

Re: Request to Review California EPA, DTSC, Files

Attn: Records Clerk

We are representing a client with interests in properties located in Los Angeles, California. The concern is for knowledge of hazardous materials investigations and regulatory status of the property. This letter is intended as a formal request for photocopies of files that the California EPA, DTSC, may have for the property at the following locations:

- 676 and 750 E. 49th Street, Los Angeles, CA 90011
- 677, 685, 687, 689, 695, 693, 701, and 711 E. 50th Street, Los Angeles, CA 90011

We are also concerned with any activity and use limitations [such as institutional controls (e.g. deed restrictions, restrictive covenants, restrictive easements, or restrictive zoning) or engineering controls (e.g. capping, slurry walls, or point of use water treatment)] or environmental liens associated with the property.

Please contact us if no records are found, or so we can arrange to come in and review the files. If there are any questions regarding this request, please call me directly at (949) 809-5080. Thank you for your time and help.

Sincerely,
Tetra Tech, Inc.

Tanya MacLean

Tanya MacLean
tanya.maclean@tetratech.com

17885 Von Karman Avenue, Suite 500
Irvine, CA 92614
Direct #: (949) 809-5080 | Main #: (949) 809-5000 | Main Fax #: (949) 809-5010

October 7, 2021

California Environmental Protection Agency
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, California 90630

Phone: (714) 484-5300
Fax: (714) 484-5302
CypressFileRoom@dtsc.ca.gov

Re: Request to Review California EPA, DTSC, Files

Attn: Julie Johnson

We are representing a client with interests in properties located in Los Angeles, California. The concern is for knowledge of hazardous materials investigations and regulatory status of the property. This letter is intended as a formal request for photocopies of files that the California EPA, DTSC, may have for the property at the following location:

- 676 and 750 E. 49th Street, Los Angeles, CA 90011
- 677, 685, 687, 689, 695, 693, 701, and 711 E. 50th Street, Los Angeles, CA 90011

We are also concerned with any activity and use limitations [such as institutional controls (e.g. deed restrictions, restrictive covenants, restrictive easements, or restrictive zoning) or engineering controls (e.g. capping, slurry walls, or point of use water treatment)] or environmental liens associated with the property.

Please contact us if no records are found, or so we can arrange to come in and review the files. If there are any questions regarding this request, please call me directly at (949) 809-5080. Thank you for your time and help.

Sincerely,
Tetra Tech, Inc.

Tanya MacLean

Tanya MacLean
tanya.maclean@tetratech.com

Public Record Requests

City of Los Angeles
Make request All requests Documents
Signed in

Signed in as **Tanya Maclean**

My settings Sign out

Request a public record

Documents, photos, emails, texts, videos, data and other records.

Everything in this request box will be displayed publicly if the agency makes your request public.

Copies of industrial wastewater permits/violations (if any) for the following property with multiple historical addresses:

- **Current address**: 750 East 29th Street, Los Angeles, CA 90011
- **Historical addresses:** 676 E. 49th Street, Los Angeles, CA 90011 & 677, 685, 687, 689, 695, 693, 701, and 711 E. 50th Street, Los Angeles, CA 90011

If you are looking for information related to the Board of Police Commission, including: agenda, minutes, vehicle tow, vehicle impound, please visit the Board of Police Commission web link below.

http://www.lapdonline.org/police_commission

Looking for information about permits issued by Public Works: Bureau of Engineering? Click HERE for instructions on how to search for BOE permit information.

Looking for information about permits issued by the Police Commission? **STOP** and contact the Commission directly HERE. Permit inquiries cannot be answered through this system.

Upload and attach files (optional)

Choose file(s)

*** Department**
Public Works: Bureau of Sanitation
Select a department (require

Your information

Who can see my personal information?

Email
tanya.maclean@tetratech.co
Name
Tanya MacLean
Phone
9498095080
Street address
17885 Von Karman Avenue, Suite 500
City
Irvine
State
California
Zip
92614
Company
Tetra Tech

Make request

* Indicates required field

This record request portal is currently being used by:

- **City Clerk**
- **Police Department**
- **Fire Department (CPRA requests only)**
- **Controller**
- **City Administrative Officer**
- **Department of Transportation**
- **General Services**
- **Neighborhood Empowerment**
- **Public Works (Street Lighting)**
- **Public Works (Sanitation)**
- **Public Works (Engineering)**
- **Council District 4 (Nithya Raman)**
- **Council District 5 (Paul Koretz)**
- **Council District 13 (Mitch O'Farrell)**

For all other city departments' records please go to their respective webpage and contact them directly.

Popular Resources

- **Open Data**
- **Council & Committee Meetings**
- **Archives & Records**

REQUESTS FOR NON-PARTICIPATING DEPARTMENTS

If you have a request for a department not on that list, visit that department's website and follow the instructions there for submitting a request. Requests submitted through this portal for non-participating departments will be closed out.

REQUESTS FOR MULTIPLE DEPARTMENTS

If you would like to submit a request to multiple departments, please submit a separate request to each department.

INCLUDING DOCUMENTS WITH REQUESTS

If you would like to include a document with your request you can upload it to the request after the request has been submitted.

ANONYMOUS REQUESTS

You are not required to include any contact information with a request, however if you submit an anonymous request you will not receive updates about your request or be able to log in to access documents. The only way you will be able to receive responsive documents is if the department posts them publicly on the portal or if you contact the department directly. If the department needs clarification on your request and has no way to contact you your request may be closed out without a response.

Public Record Requests

City of Los Angeles
Make request All requests Documents
Signed in

Signed in as **Tanya Maclean**

My settings Sign out

Request a public record

Documents, photos, emails, texts, videos, data and other records.

Everything in this request box will be displayed publicly if the agency makes your request public.

Copies of LAFD Records for the following property:

- LAUSD - 49th Street School - Facility ID #11423 - 750 E. 49th Street, Los Angeles, CA 90011 (listed on inactive hazardous materials inventory list)

Records for information on hazardous materials and/or underground storage tanks should be routed to the Los Angeles Fire Department. Please select "Fire" as the department for your request.

Looking for your own or your client's LAPD crime/arrest history? Contact the Records & Identification Division directly.

Upload and attach files (optional)

Choose file(s)

*** Department**
Fire Department (CPRA requests only)
Select a department (require

Your information

Who can see my personal information?

Email
tanya.maclean@tetratech.co
Name
Tanya MacLean
Phone
9498095080
Street address
17885 Von Karman Avenue, Suite 500
City
Irvine
State
California
Zip
92614
Company
Tetra Tech

Make request

* Indicates required field

This record request portal is currently being used by:

- **City Clerk**
- **Police Department**
- **Fire Department (CPRA requests only)**
- **Controller**
- **City Administrative Officer**
- **Department of Transportation**
- **General Services**
- **Neighborhood Empowerment**
- **Public Works (Street Lighting)**
- **Public Works (Sanitation)**
- **Public Works (Engineering)**
- **Council District 4 (Nithya Raman)**
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ANONYMOUS REQUESTS

You are not required to include any contact information with a request, however if you submit an anonymous request you will not receive updates about your request or be able to log in to access documents. The only way you will be able to receive responsive documents is if the department posts them publicly on the portal or if you contact the department directly. If the department needs clarification on your request and has no way to contact you your request may be closed out without a response.

MacLean, Tanya

From: MacLean, Tanya
Sent: Friday, December 17, 2021 11:17 AM
To: rb4-publicrecords@waterboards.ca.gov
Subject: Records Request

I would like to review LARWQCB files for the property with the following addresses:

- 676 and 750 E. 49th Street, Los Angeles, CA 90011
- 677, 685, 687, 689, 695, 693, 701, and 711 E. 50th Street, Los Angeles, CA 90011

Please contact me so I can arrange to come in and review the files or if no files are found. If there are any questions regarding this request, please call me directly at 949.809.5080.

Thank you in advance for your time and help,
Tanya

Tanya MacLean | Due Diligence Scientist
Direct **+1 (949) 809-5080** | Business **+1 (949) 809-5000** | Mobile **+1 (949) 310-2760** | Fax **+1 (949) 809-5010** |
tanya.maclean@tetratech.com

Tetra Tech, Inc. | Complex World, Clear Solutions™ |
17885 Von Kaman Avenue, Suite 500, Irvine, CA 92614 | tetratech.com |

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Please consider the environment before printing. Read more

TETRA TECH

Department of Toxic Substances Control

Meredith Williams, Ph.D.
Director
5796 Corporate Avenue
Cypress, California 90630

Jared Blumenfeld
Secretary for
Environmental Protection

Gavin Newsom
Governor

December 20, 2021

Tanya MacLean
TETRA TECH
Tanya.maclean@tetratech.com

PR4-121721-05
676, 750 E 49TH STREET AND 677, 685, 687, 689, 695, 693, 701, 711 E 50TH STREET, LOS ANGELES, CA

Dear Requestor:

We have received your Public Records Act Request from the Department of Toxic Substances Control (DTSC). After a thorough review of our files, no site records were found pertaining to the sites/facilities referenced above.

A large number of our records are available on EnviroStor, an online database that provides non-confidential, public access to DTSCs Data Management System. It tracks our cleanup, permitting, enforcement and investigation efforts at hazardous waste facilities and sites with known or suspected contamination issues. EnviroStor is available 24/7, 365 days a year. The data reflects the latest updates as they are entered in the system. Access it from your computer or smartphone, the local library – anywhere Internet access is available. Just go to www.envirostor.dtsc.ca.gov. You'll find a step-by-step tour of EnviroStor under the "How to Use EnviroStor" menu on the website.

If you have any questions or would like further information regarding your request, please contact me at 714-4845337 or via email at CypressFileRoom@dtsc.ca.gov.

Sincerely,

Julie Johnson
Julie Johnson
Regional Records Coordinator

MacLean, Tanya

From: Schmid, Andrea@Waterboards <Andrea.Schmid@Waterboards.ca.gov> on behalf of WB-RB4-PublicRecords <RB4-PublicRecords.RB4-PublicRecords@waterboards.ca.gov>
Sent: Tuesday, December 21, 2021 11:23 AM
To: MacLean, Tanya; WB-RB4-PublicRecords
Cc: Schmid, Andrea@Waterboards
Subject: RE: Records Request / Tracking No. 2021121703

⚠ **CAUTION:** This email originated from an external sender. Verify the source before opening links or attachments. ⚠

The Los Angeles Regional Board has reviewed its files and has concluded that it does not have any records that are responsive to your request.

Andrea Schmid
Staff Services Analyst
Los Angeles Regional Water Quality Control Board
320 West 4th St., Suite 200, Los Angeles, CA 90013
andrea.schmid@waterboards.ca.gov

Public Records and Freedom of Information Act
Rb4-Publicrecords@waterboards.ca.gov

****
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From: MacLean, Tanya <Tanya.MacLean@tetratech.com>
Sent: Friday, December 17, 2021 11:17 AM
To: WB-RB4-PublicRecords <RB4-PublicRecords.RB4-PublicRecords@waterboards.ca.gov>
Subject: Records Request

EXTERNAL:

I would like to review LARWQCB files for the property with the following addresses:

- 676 and 750 E. 49th Street, Los Angeles, CA 90011
- 677, 685, 687, 689, 695, 693, 701, and 711 E. 50th Street, Los Angeles, CA 90011

Please contact me so I can arrange to come in and review the files or if no files are found. If there are any questions regarding this request, please call me directly at 949.809.5080.

Thank you in advance for your time and help,
Tanya

Tanya MacLean | Due Diligence Scientist
Direct **+1 (949) 809-5080** | Business **+1 (949) 809-5000** | Mobile **+1 (949) 310-2760** | Fax **+1 (949) 809-5010** |
tanya.maclean@tetratech.com

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17885 Von Kaman Avenue, Suite 500, Irvine, CA 92614 | tetratech.com |

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 Please consider the environment before printing. Read more



MacLean, Tanya

From: publicrecords@lacity.org <support@nextrequest.com>
Sent: Monday, December 27, 2021 9:17 AM
To: MacLean, Tanya
Subject: Your City of Los Angeles public records request #21-11300 has been closed.

⚠ **CAUTION:** This email originated from an external sender. Verify the source before opening links or attachments. ⚠

-- Attach a non-image file and/or reply ABOVE THIS LINE with a message, and it will be sent to staff on this request. --

City of Los Angeles Public Records

Record request #21-11300 has been closed. The closure reason supplied was:

Industrial Waste Management Division found no records pertaining to your request at this time. This request has been closed.

View Request 21-11300

https://lacity.nextrequest.com/requests/21-11300

POWERED BY NEXTREQUEST

The All in One Records Requests Platform

Questions about your request? Reply to this email or sign in to contact staff at City of Los Angeles.

Technical support: See our help page

MacLean, Tanya

From: publicrecords@lacity.org <support@nextrequest.com>
Sent: Monday, December 27, 2021 2:24 PM
To: MacLean, Tanya
Subject: Your City of Los Angeles public records request #21-11301 has been closed.

⚠ **CAUTION:** This email originated from an external sender. Verify the source before opening links or attachments. ⚠

-- Attach a non-image file and/or reply ABOVE THIS LINE with a message, and it will be sent to staff on this request. --

City of Los Angeles Public Records

Record request #21-11301 has been closed and published. The closure reason supplied was:

Dear Requester,

Unfortunately, the requested facility yielded no search results. If this is an inactive hazardous materials site, please be advised that our department only keeps records pertaining to the storage of hazardous materials for up to five years. If the site in question has been inactive for longer than those 5 years, it's possible all related files have been expunged.

We also urge you to please visit the CALEPA Regulated Site Portal which is a website that combines data about environmentally regulated sites and facilities in California into a single, searchable database and interactive map. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials.

Respectfully,

The Los Angeles Fire Department

View Request 21-11301

https://lacity.nextrequest.com/requests/21-11301



POWERED BY NEXTREQUEST

The All in One Records Requests Platform

Questions about your request? Reply to this email or sign in to contact staff at City of Los Angeles.

Technical support: See our help page

TETRA TECH

17885 Von Karman Avenue, Suite 500
Irvine, CA 92614
Direct #: (949) 809-5080 | Main #: (949) 809-5000 | Main Fax #: (949) 809-5010

January 14, 2022

California Environmental Protection Agency
Department of Toxic Substances Control
9211 Oakdale Avenue
Chatsworth, CA 91311

Phone: (818) 717-6500
Fax: (818) 717-6526
ChatsworthFileRoom@dtsc.ca.gov

Re: Request to Review California EPA, DTSC, Files

Attn: Records Clerk

We are representing a client with interests in properties located in Los Angeles, California. The concern is for knowledge of hazardous materials investigations and regulatory status of the property. This letter is intended as a formal request for photocopies of files that the California EPA, DTSC, may have for the property at the following property with multiple historical addresses:

- 676-794 East 49th Street (even numbers only), Los Angeles, CA 90011
- 677-795 East 50th Street (odd numbers only), Los Angeles, CA 90011
- 4917-4927 McKinley Avenue (odd numbers only), Los Angeles, CA 90011

We are also concerned with any activity and use limitations [such as institutional controls (e.g. deed restrictions, restrictive covenants, restrictive easements, or restrictive zoning) or engineering controls (e.g. capping, slurry walls, or point of use water treatment)] or environmental liens associated with the property.

Please contact us if no records are found, or so we can arrange to come in and review the files. If there are any questions regarding this request, please call me directly at (949) 809-5080. Thank you for your time and help.

Sincerely,
Tetra Tech, Inc.

Tanya MacLean

Tanya MacLean
tanya.maclean@tetratech.com

TETRA TECH

17885 Von Karman Avenue, Suite 500
Irvine, CA 92614
Direct #: (949) 809-5080 | Main #: (949) 809-5000 | Main Fax #: (949) 809-5010

January 14, 2022

California Environmental Protection Agency
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, California 90630

Phone: (714) 484-5300
Fax: (714) 484-5302
CypressFileRoom@dtsc.ca.gov

Re: Request to Review California EPA, DTSC, Files

Attn: Julie Johnson

We are representing a client with interests in properties located in Los Angeles, California. The concern is for knowledge of hazardous materials investigations and regulatory status of the property. This letter is intended as a formal request for photocopies of files that the California EPA, DTSC, may have for the property with multiple historical addresses:

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Please contact us if no records are found, or so we can arrange to come in and review the files. If there are any questions regarding this request, please call me directly at (949) 809-5080. Thank you for your time and help.

Sincerely,
Tetra Tech, Inc.

Tanya MacLean

Tanya MacLean
tanya.maclean@tetratech.com

MacLean, Tanya

From: MacLean, Tanya
Sent: Friday, January 14, 2022 8:26 AM
To: rb4-publicrecords@waterboards.ca.gov
Subject: RE: Records Request

I would like to review LARWQCB files for the property with multiple historical addresses:

- 676-794 East 49th Street (even numbers only), Los Angeles, CA 90011
- 677-795 East 50th Street (odd numbers only), Los Angeles, CA 90011
- 4917-4927 McKinley Avenue (odd numbers only), Los Angeles, CA 90011

Please contact me so I can arrange to come in and review the files or if no files are found. If there are any questions regarding this request, please call me directly at 949.809.5080.

Thank you in advance for your time and help,
Tanya

Tanya MacLean | Due Diligence Scientist
Direct **+1 (949) 809-5080** | Business **+1 (949) 809-5000** | Mobile **+1 (949) 310-2760** | Fax **+1 (949) 809-5010** |
tanya.maclean@tetratech.com

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Please consider the environment before printing. Read more

TETRA TECH

TETRA TECH

USER QUESTIONNAIRE FOR PHASE I ENVIRONMENTAL SITE ASSESSMENT

Instructions for User Questionnaire:

1. Please complete the following questionnaire, sign, date, and return to:
   Tetra Tech
   17885 Von Karman Avenue, Suite 500
   Irvine, CA, 92614
   Phone: (949) 809-5000
   Fax: (949) 809-5010
   Attention: Steven Grod or Tanya MacLean
   E-mail: Steven.Grod@tetratech.com or Tanya.MacLean@tetratech.com

2. Wherever you answer "YES" please provide all relevant information either on the following pages or provide copies of relevant documents, reports, documents, and/or correspondence.

3. If you cannot provide the answer to a question, please indicate a person to contact who would be able to provide this information and include contact information for this individual (phone number, e-mail, etc.).

4. This questionnaire is intended for the User to provide Tetra Tech, Inc. with the information required to comply with ASTM E1527-21.

5. The User of the Phase I Environmental Site Assessment may not be able to qualify as an innocent landowner under the ASTM standard unless the information in this questionnaire is provided.

6. Please provide complete copies of all prior reports for the property to Tetra Tech. If already provided to Tetra Tech, please note.

7. Please note that this completed questionnaire will be included in the appendix of the Phase I Environmental Site Assessment report to be issued by Tetra Tech, Inc. By signing, dating, and returning this document to Tetra Tech, Inc., you are acknowledging and agreeing to the inclusion of this document in Tetra Tech Inc.'s Phase I ESA report.

TETRA TECH

QUESTIONNAIRE FOR PHASE I ENVIRONMENTAL SITE ASSESSMENT

Site Name: 49th Street Elementary School

Address: 750 East 49th Street

City, State, Zip Code: Los Angeles, CA 90011

APNs: 5108-011-909 and 5108-011-910

Reason for Phase I ESA: Due diligence

Signature:

Steven Morrill

Signature

Steven Morrill, Site Assessment Project Manager/CP

Print Name and Title

OEHS, Site Assessment

Company Name (Please Print)

February 25, 2022

Date

TETRA TECH

1. **Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25)**

Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

Yes___ No X

If yes, please provide as much detail as possible about the liens against the property and provide copies of any related reports or paperwork.

2. **Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26)**

Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

Yes___ No X

If yes, please provide as much detail as possible about the AULs present and provide copies of any related reports or paperwork.

3. Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28)

Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Yes___ No_X_

If yes, please provide as much detail as possible about the specialized knowledge or experience and provide copies of any related reports or paperwork.

_____

_____

_____

_____

_____

_____

4. Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29)

Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

Yes___ No_X_

If there is a difference, please provide as much detail as possible about the difference between the expected and actual purchase price, and any reasons this difference may be present.

_____

_____

_____

_____

_____

_____

TETRA TECH

5. Commonly known or reasonably ascertainable information about the property (40 CFR 312.30)

Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example:

(a.) Do you know the past uses of the property?

Yes___ No_X_

(b.) Do you know of specific chemicals that are present or once were present at the property?

Yes___ No_X_

(c.) Do you know of spills or other chemical releases that have taken place at the property?

Yes___ No_X_

(d.) Do you know of any environmental cleanups that have taken place at the property?

Yes___ No_X_

If yes, please provide as much detail as possible and provide copies of any related reports or paperwork.

6. The degree of obviousness of the presence of likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)

Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of releases at the property?

Yes_X_ No____

If yes, please provide as much detail as possible about the indicators of releases, and provide copies of any related reports or paperwork.

LAUSD school sites typically have environmental concerns with arsenic, lead, and OCPs in shallow soil.

TETRA TECH

7. Is/Are/Were there any of the following?

	YES	NO
Chain-of-Title Report		X
Environmental Liens/Activity and Use Limitations (AULs)		X
Hazardous Materials Business Plan		X
Emergency Response Plan		X
Spill Prevention Control and Contingency (SPCC) Plan		X
Community Right-to-Know Plan		X
Environmental Assessments (complete copies including all appendices)	X	
Risk Assessments (complete copies including all appendices)		X
Compliance Audits		X
Environmental Permits / Registrations for Aboveground / Underground Storage Tanks Wastewater Storage / Treatment Systems, Hazardous Materials / Waste, and National Pollution Discharge Elimination System (NPDES)		X
Governmental Environmental Agency Notices of Violation (NOVs)		X
Regulatory Agency Correspondence		X
Notices/Conditions of Non-Compliance with Environmental Regulations		X
Pending, Threatened, or Past Environmental Litigation		X
Pending, Threatened, or Past Environmental Administrative Proceedings		X
Safety Data Sheets (SDSs)		X
Hazardous Waste Manifests / Reports		X
Hydrogeological Reports		X
Geotechnical Reports		X
Historic Maps or Drawings	X	
Aerial Photographs		X
Historical Photographs		X
Fire Insurance Maps		X

If you answered YES to any of the items on this questionnaire, please provide all information and copies of relevant documents to Tetra Tech or note if already provided to Tetra Tech.

Soil export reports and vault maps provided to Tetra Tech.

APPENDIX F
RESUMES

Tanya MacLean

Due Diligence Scientist – Environmental Scientist

EDUCATION

BS, Environmental Science, Minor in Biology, University of Waterloo – Waterloo, Ontario, Canada, 2000

AREA OF EXPERTISE

Environmental Assessment

TRAINING/CERTIFICATIONS

OSHA 40-hour Hazardous Waste Site Health and Safety Training (29 CFR 1910.120)

OSHA 8-hour HAZWOPER Training (29 CFR 1910.120)

OFFICE

Irvine, California

YEARS OF EXPERIENCE

15 years

YEARS WITHIN FIRM

15 years

CONTACT

Direct: (949) 809-5080
tanya.maclean@tetratech.com

EXPERIENCE SUMMARY

Ms. MacLean has been primarily responsible for conducting Phase I Environmental Site Assessments (ESAs) and tenant audits since August 2005. Specific duties involve the completion of historical public record/photo reviews, review and evaluation of computer-compiled government agency databases, on-site reconnaissance, interviews, review of hydrogeological and wetlands information, preliminary asbestos-containing materials (ACM) surveys, preliminary lead-based paint surveys, data interpretation, evaluation of recognized environmental conditions (RECs) and environmental concerns, and report preparation. Ms. MacLean has also performed field oversight of groundwater monitoring activities for a former industrial property.

RELEVANT EXPERIENCE

SITE ASSESSMENT

- **Phase I ESA, Confidential Client, Kern County, California, 2020.** Performed inspection, agency review, and report write-up and data compilation for a Phase I ESA in 2020 for a property in Kern County, CA. Property was comprised of a design, research and development, and manufacturing facility totaling 9.32 acres.
- **Phase I ESA, Confidential Client, Los Angeles County, California, 2020.** Performed inspection, agency review, and report write-up and data compilation for a Phase I ESA in 2020 for a property in Los Angeles County, CA. Property was comprised of a research and development facility totaling approximately 10,000 square feet.
- **Phase I ESA, Confidential Client, San Bernardino County, California, 2020.** Performed inspection, agency review, and report write-up and data compilation for a Phase I ESA in 2020 for a property in San Bernardino County, CA. Property was comprised of a sand and gravel processing facility totaling approximately 100 acres.
- **Phase I ESA, Confidential Client, Los Angeles County, California, 2020.** Performed inspection, agency review, and report write-up and data compilation for a Phase I ESA in 2020 for a property in Los Angeles County, CA. Property was comprised of school facility totaling approximately 28 acres.
- **Phase I ESA, Confidential Client, Los Angeles County, California, 2020.** Performed inspection, agency review, and report write-up and data compilation for a Phase I ESA in 2020 for a property in Los Angeles County, CA. Property was comprised of agricultural property totaling approximately 14 acres.

- **Phase I ESA, Confidential Client, Ventura County, California, 2016, 2018, and 2019.** Performed inspections, agency reviews, and report write-up and data compilation for Phase I ESAs in 2016, 2018, and 2019 for a property in Ventura County, CA. Property was comprised of a wind energy facility totaling approximately 1,500 acres.
- **Phase I ESA, Confidential Client, Clark County, Nevada, 2013 and 2014.** Performed inspections, agency reviews, and report write-up and data compilation for Phase I ESAs in 2013 and 2014 for a property in Clark County, NV. Property was comprised of a natural gas-powered, combined-cycle electricity generating facility totaling 90 acres.
- **Phase I ESAs, Los Angeles Department of Water and Power (LADWP), Multiple locations in Los Angeles/Kern/Inyo Counties, CA, 2008 and 2009.** Performed inspections, agency reviews, and report write-up and data compilation Phase I ESAs for a total of 31 properties to date for LADWP including a 23-Site portfolio in the Bishop/Big Pine area of Inyo County.
- **Phase I ESA, Various Clients, Southern California, Arizona, Nevada, and Oregon**, **2005-present.** Performing inspections, agency reviews, and report write-up and data compilation for Phase I Environmental Site Assessments for various clients, including lending institutions, large corporations, and private clients on hundreds of sites including gasoline stations, dry cleaners, large industrial properties, and commercial and residential properties.
- **Tenant Inspection Program, Nationwide, 2005-Present.** Performing inspections, data entry, and report write-up, review, and finalizing for tenant audits of warehouse, light industrial, and commercial facilities at a number of business parks in Arizona, California, Colorado, Florida, Georgia, Illinois, Nevada, New Jersey, North Carolina, Oregon, Pennsylvania, Tennessee, Texas, and Washington.

TETRA TECH

Steven Grod
Senior Project Manager

EXPERIENCE SUMMARY

Mr. Grod has over 25 years of experience in the conducting of environmental studies in the United States. This experience includes property transfer evaluation of individual residential, commercial, industrial, manufacturing, and energy properties, portfolios primarily across the western United States, and soil and groundwater characterization. Currently, Mr. Grod serves as a Senior Project Manager of Tetra Tech Inc.'s Irvine, California office. As Senior Project Manager, Mr. Grod is responsible for performing and/or overseeing/ supervising environmental assessments, environmental sampling, compliance audits, regulatory records research and review, subsurface investigations, and preparation of AutoCAD-based drawings.

RELEVANT EXPERIENCE

ENVIRONMENTAL ASSESSMENT

- **Phase I Environmental Site Assessments (ESAs).** Manages and/or performs Phase I ESAs for a variety of properties including residential, commercial, industrial, manufacturing, oil field, and energy properties. Property types have included energy facilities (wind, solar, steam and power cogeneration [natural gas-powered combined-cycle electricity generating], and hydro-electric facilities), multi-tenant/strip mall shopping centers, multi-level anchor-store shopping malls, high-rise office buildings, dry cleaners, gasoline/service stations, metal and powder coating facilities, wire manufacturing facilities, injection molding facilities, medical and biological research and development facilities, aerospace facilities, computer parts manufacturing facilities, an ink manufacturing facility, plastics manufacturing facilities, and a construction company equipment yard and maintenance facility (located within an oil field; with oil wells on-Site).
- **Tenant Inspection Program, Nationwide, 2005-Present.** Manages the performance of quarterly tenant inspection reviews of approximately 150 million square feet of tenant space in 29 major city regions nationwide. Has conducted tenant inspections at properties in the following regions: Los Angeles CA, Northern California, Atlanta GA, Dallas TX, Denver CO, Harrisburg PA, Kansas City KS, and Portland OR. Also performs data entry, report write-up, review, and finalizing reports.
- **TC LA Healthcare Development, Inc., Commercial Property, Pasadena, CA.** Project Manager for a Phase I ESA of an approximately 0.45-acre Site occupied by multiple tenants including food establishments and a gym. Historical uses of the Site included residential and light industrial uses (including a facility that performed dry cleaning). Several previous subsurface investigations as well as remedial activities were performed with respect to volatile organic compounds (VOCs) in soil gas, and a no further action letter for the case was subsequently issued by the California Regional Water Quality Control Board – Los Angeles Region (LARWQCB). Several historical uses at adjacent properties were considered to be off-Site recognized environmental conditions (RECs) to the Site including a dry cleaner, bulk oil storage and depot facilities, and an industrial property that included plating and manufacturing activities. Soil and soil gas sampling and analyses were subsequently performed at the Site.
- **Velco Tool & Die, Inc., Light Industrial Property, Lake Forest, CA.** Project Manager for a Phase I ESA of an approximately 3.2-acre Site occupied by two tenants that were in process of moving out of the building. A majority of the Site building was occupied by a company that designed and developed prototype radio-controlled model cars and trucks. Equipment formerly used by the tenant included a computer numerical controlled (CNC) milling machine, a manual milling machine, a manual lathe, a band saw, a belt sander, and a drill press, which were used for prototype development activities. Several

EDUCATION

BS, Oceanography, Humboldt State University, Arcata, CA

AREA OF EXPERTISE

Environmental Assessment

TRAINING/CERTIFICATIONS

OSHA 40-hour Hazardous Waste Site Health and Safety Training (29 CFR 1910.120)

OSHA 8-hour HAZWOPER Training (29 CFR 1910.120)

AHERA Certified Building Inspector

OFFICE

Irvine, California

YEARS OF EXPERIENCE

30

YEARS WITHIN FIRM

17

CONTACT

Direct Phone: (949) 809-5076

Steven.Grod@tetratech.com

areas of minor staining were observed on the concrete floor in the warehouse area of the Site building, including minor lubrication oil staining areas of less than approximately 10 square feet in the former area of the CNC milling machine, white staining below a sink, and white/rusty staining below a piece of unidentified equipment wrapped for shipping. The observed staining was considered to be a *de minimis* condition. The project was completed on time and within budget. Historical uses of the Site included agricultural and light industrial uses. Based on the results of the Phase I ESA, no further assessment or investigation was recommended.

- **TC LA Development, Inc. and LA Brickyard, LLC, Industrial Property, Compton, CA.** Project Manager for a Phase I ESA of an approximately 60-acre Site occupied by a number of tenants whose activities include asphalt and concrete recycling operations, brick storage, a small redi-mix-type facility, pipe storage, and a truck maintenance facility. Historical uses of the Site included agricultural land, clay mining, and brick manufacturing and storage. Two localized areas of groundwater at the Site were historically reported to have somewhat elevated concentrations of benzene and trichloroethene (TCE). Based on the results of the Phase I ESA, Tetra Tech was contracted by the client to perform additional work/investigation which included a remedial action plan, human health risk assessment, soil management plan, groundwater monitoring, underground storage tank removals, remedial action completion report, corrective measures report, and groundwater monitoring well abandonment. The additional work/investigation was performed with oversight by the Los Angeles County Fire Department, Health Hazardous Materials Division-Site Mitigation Unit (LACFD HHMD-SMU), which issued a Site-wide no further action letter for the project. The client filed a notice of environmental condition and environmental restriction for the Site with the Los Angeles County Recorder's office for an area on the Site where impacted soil was to remain in place. The Site was subsequently redeveloped with two industrial warehouse buildings.
- **City of Industry, Municipal Park Properties, Los Angeles County, CA.** Project Manager for a Phase I ESA portfolio of seven municipal park Sites totaling approximately 87 acres. The Phase I ESAs were part of a multi-benefit stormwater capture project for the Upper San Gabriel River Enhanced Watershed Management Program. In general, historical records indicated fill material of unknown origin was located at the Sites and considered to be a potential environmental concern. Based on the results of the Phase I ESA, sampling and analyses of fill material for chemicals of potential concern (COPCs) was recommended.
- **Palmdale School District, Vacant School Facility, Palmdale, CA.** Project Manager for a Phase I ESA of an approximately 28-acre vacant school Site. The Site was developed with three buildings, basketball courts, a partially constructed running track/football field that was overgrown with vegetation, a partially constructed baseball field that was overgrown with vegetation, a storm water basin, and vacant land that is overgrown with vegetation. The Site was undeveloped land prior to construction of the school. Non-hazardous debris (wood, plastic, paper debris, etc.) was observed scattered throughout the undeveloped southern portion of the Site. Dirt piles were observed on the western part of the undeveloped southern portion of the Site and adjacent to two metal shipping containers with trusses inside. No obvious indicators of hazardous substances were observed in the surficial areas of the dirt piles. When the school becomes active and operational, wastewater from the science laboratories would be discharged to two underground neutralization tanks prior to discharge to the municipal sewer system. Since the school had never been occupied, the underground neutralization tanks had never been used. The project was completed on time and within budget. Based on the results of the Phase I ESA, no further assessment or investigation was recommended.
- **City of Industry, Municipal Park Properties, Los Angeles County, CA.** Project Manager for a Phase I ESA portfolio of seven municipal park Sites totaling approximately 87 acres. The Phase I ESAs were part of a multi-benefit stormwater capture project for the Upper San Gabriel River Enhanced Watershed Management Program. In general, historical records indicated fill material of unknown origin was located at the Sites and considered to be a potential environmental concern. Based on the results of the Phase I ESA, sampling and analyses of fill material for chemicals of potential concern (COPCs) was recommended.
- **The Trust For Public Land, Three Agricultural Ranch Properties, Imperial County, CA.** Project Manager for three Phase I ESAs of active agricultural ranch properties totaling approximately 1,553-acres. The Sites were undeveloped land prior to use as agricultural ranch properties. Based on the results of the Phase I ESAs, Tetra Tech recommended removing and disposing stained soil by a diesel aboveground storage tank (AST) and where farming equipment was parked/stored in accordance with all applicable local, state, and federal regulations and laws, including post-remediation confirmation soil sampling/analysis. Tetra Tech also recommended that if a higher degree of confidence was needed by the client with respect to on-Site farm equipment maintenance areas and septic systems, a subsurface investigation should be conducted.
- **Environmental Sampling.** Performed or assisted with AHERA, modified AHERA, and comprehensive asbestos surveys in residential, commercial and industrial buildings, modified HUD lead-based paint sampling utilizing wipe sampling and chip sampling techniques, lead-based paint surveys using gamma ray spectrometer, radon gas sampling, and lead in drinking water sampling, soil and groundwater sampling.
- **Regulatory Agency Records Reviews.** Reviewing of records for Sites that have included National Priority List (NPL; also known as Superfund) sites. Additional regulatory agency records reviews have been performed for cases pertaining to soil, soil gas, and/or groundwater impacted with hazardous substances that are overseen by regional and local regulatory agencies. Specific property types for the cases have included a former oil refinery, existing and former landfills, dry cleaning facilities, gasoline/service stations, historical manufacturing facilities, and aerospace/related facilities.

TETRA TECH

Mark Feldman, CHG CEG
Principal Geologist

Mr. Feldman is a geologist and geochemist with 29 years of professional experience focusing on the characterization, remediation, and regulatory closure of environmentally impacted properties. His experience ranges from environmental due diligence investigations to characterization and remediation of large, complex sites with multiple environmental concerns and a significant regulatory component. Mr. Feldman's broad range of experience and strong technical background enable him to work effectively with colleagues in other disciplines, including engineers, toxicologists, biologists, and chemists, as well as clients and the regulatory community. Mr. Feldman manages projects and serves as a senior technical resource.

Education:
MS, Geology, Arizona State University, Tempe, AZ

BS, Geology, University of California, Los Angeles, CA

Registrations/Certifications:
California, Professional Geologist, No. 7349

California, Certified Hydrogeologist, No. HG747

California, Certified Engineering Geologist, No. EG2387

Professional Affiliations

Member, Geological Society of America

Member, National Ground Water Association

Years of Experience:
Twenty-nine

Years with Tetra Tech:
Twenty-three

RELEVANT EXPERIENCE

Former Aluminum Plant, Torrance, California – Project manager and technical lead for investigation and remedial planning for a former aluminum forging and extrusion facility impacted by chlorinated solvents, hexavalent chromium, and 1,4-dioxane. The site is regulated under RCRA. The initial work performed or led by Mr. Feldman included installation of background monitoring wells and development of a Groundwater Corrective Measures Study (the functional equivalent of a Feasibility Study). The Tetra Tech team worked closely with the client and regulatory agency personnel to complete the study under a tight approval deadline. The final document won praise for timeliness and quality from both the client and the agency. Subsequent work at this site has included development of a Human Health Risk Assessment Addendum to address potential vapor intrusion issues; development and implementation of a Remedial Design Investigation, a focused investigation designed to fill significant data gaps in the conceptual site model; cooperative groundwater modeling with consultants for an adjacent site for settlement purposes; development of the Statement of Basis (the functional equivalent of a Record of Decision) and CEQA Initial Study for the groundwater remedy; performing additional soil vapor and indoor air sampling to address changes in the inhalation toxicity factors for TCE; aquifer testing; development of a Corrective Measures Implementation Work Plan; and routine groundwater monitoring and site maintenance.

Former Rocket Motor Test Facility, Riverside County, California — Project manager and technical lead for investigation of a former rocket motor test facility with multiple areas of perchlorate-, chlorinated solvent-, and 1,4-dioxane-impacted soil and/or groundwater. The lead regulatory agency for this project is the California Department of Toxic Substances Control (DTSC). Work performed or led by Mr. Feldman has included a major soil and groundwater investigation to fill data gaps in the conceptual site model using the USEPA Triad approach; characterization of groundwater in an off-site riparian corridor; aquifer testing, including three constant rate aquifer tests and slug tests on more than 50 groundwater monitoring wells; numerical groundwater flow and contaminant transport modeling; a quantitative monitored natural attenuation evaluation; human health and ecological risk assessments; design and implementation of a treatability study to evaluate in situ bioremediation of perchlorate in soil and groundwater; development of the Feasibility Study which established the proposed remedy; development of the Remedial Action Plan and Environmental Impact Report for the proposed remedy; development of the 30% Design for the proposed remedy, and routine groundwater monitoring and site maintenance.

Former Aerospace Facility, Costa Mesa, California — Project manager and technical lead for characterization and remediation of a former aerospace manufacturing facility with multiple areas of chlorinated solvent-impacted soil gas, soil, and groundwater, which was being considered for residential development. Cone penetration testing and discrete-depth groundwater sampling found a groundwater plume characterized by persistent, moderately high TCE concentrations underlain by a relatively small area with TCE concentrations near 100,000 µg/L. Other areas of the site were also investigated, and were found to have not contributed significantly to groundwater contamination. An in situ chemical

oxidation (ISCO) treatability study using potassium permanganate was subsequently conducted and was used as the basis for developing a Corrective Action Plan to address groundwater remediation and a Soil Management Plan to address the potential for discovery of previously unknown contamination during site redevelopment. After full-scale ISCO implementation and post-remediation groundwater monitoring, the site was closed by the Santa Ana RWQCB.

Superfund Site, San Fernando Valley, California — Technical lead for two projects at a federal Superfund site in the San Fernando Valley. The lead agencies for this site are the USEPA and the Los Angeles Regional Water Quality Control Board. The first project was an investigation to address high residual VOC concentrations detected in soil vapor after the cessation of vapor extraction at the site. Work consisted of two rounds of soil sampling and deep soil vapor monitoring probe installation to define the extent of residual VOCs in soil and soil vapor located in the immediate vicinity of fine-grained soil horizons at two former source areas. Ongoing work includes the vapor extraction testing and the design of a focused vapor extraction system to address the residual contamination. The second project is a focused feasibility study to address the impacts of the emerging compounds 1,4-dioxane and hexavalent chromium on the pump-and-treat remedy for the site. This work has included refinement of the conceptual site model, groundwater modeling to evaluate various groundwater extraction scenarios, and the development of remedial improvement alternatives to address

Vehicle Maintenance Facility, Los Angeles, California — Project manager and technical lead for site characterization and remedial action plan development at an active vehicle maintenance facility with PCE-impacted groundwater. The lead agency for this site is the Los Angeles Regional Water Quality Control Board. Previous investigations found relatively high, persistent concentrations of PCE in groundwater at the site, which is located immediately downgradient from a former dry cleaning facility. Site characterization work included direct-push soil and groundwater sampling to complete characterization of on-site PCE impacts, and a soil gas survey to assess potential vapor intrusion concerns. These results, combined with the results of previous investigations, strongly suggested that the source of the PCE was the former dry cleaning facility rather than releases from the site. The lead agency subsequently issued an investigation order pursuant to the California Water Code to the owner of the upgradient dry cleaner, and subsequent investigations found PCE concentrations greater than 1,000,000 µg/kg in soil at the dry cleaner. A remedial action plan to address on-site migration of the off-site PCE source and on-site impacts due to fuel releases is currently under development.

High-Rise Condominium Project, San Diego, California — Project manager and technical lead for the characterization and remediation of metals-impacted soil at a property in downtown San Diego that was being redeveloped as a high-rise condominium complex. The lead agency for this site was the San Diego County Department of Environmental Health. Work for this project included developing a site mitigation plan, characterizing the extent of impacted soils, developing site-specific cleanup goals for lead and cadmium, and remediation of the site by excavation and off-site disposal of the impacted soil in two phases: one for the on-site area, and one for the area beneath the adjacent public sidewalks. On-site x-ray fluorescence analysis of lead was used throughout this project to expedite the identification and removal of lead-impacted soils. Based on the results of post-remediation confirmation sampling, the site was closed by the lead regulatory agency.

Former Dry Cleaning Facility, Northridge, California — Technical lead for characterization and remediation of PCE-impacted soil at a former dry cleaning facility. The lead agency for this site was the Los Angeles Regional Water Quality Control Board. Work included characterization of the extent of PCE-impacted soil, developing remedial cost estimates for use by legal counsel in a cost-recovery lawsuit, conducting a vapor extraction feasibility study, developing site-specific cleanup goals for the protection of water resources, developing a remedial action plan which addressed both water quality and human health concerns, and developing a vapor extraction system design which addressed impacts to both shallow clayey soils and deeper sandy soils, and which could be used without modification after the completion of remediation to mitigate potential vapor intrusion concerns. After operating the vapor extraction system for approximately two years and conducting post-remediation rebound testing, the site was closed by the lead agency.

Active Printed Circuit Board Manufacturing Facility, Canoga Park, California — Project manager and technical lead for the characterization and remediation of soil impacted by lead, chromium, nickel, and copper at an active printed circuit board manufacturing facility. The lead agency for this site was the California Department of Toxic Substances Control. Work performed included precision locating and leak testing of a PVC floor drain system, investigation of numerous potential release locations, and excavation and off-site disposal of all identified areas of metals-impacted soil. All work on this project was performed while the plant was operating or during scheduled maintenance shutdowns. As a result, the client was able to satisfy all regulatory agency requirements and obtain site closure while maintaining production quotas.

Former Aerospace Manufacturing Facility, Pomona, California — Project manager and technical lead for characterization, remediation, and closure of a 20-acre former aerospace manufacturing facility which was being redeveloped for single-family residential development. The lead agency for the site was the Los Angeles County Fire Department. Investigation of the site found several areas of low-level chlorinated solvent, petroleum hydrocarbon, and metals impacts in soil. These data were used as the basis for conducting a human health risk assessment with oversight from the California Office of Environmental Health Hazard Assessment (OEHHA). Based on the risk assessment results, a vapor extraction system was installed and operated for a period of one month to remediate two chlorinated solvent hot spots. Soil closure was then granted by the Los Angeles County Fire Department. To satisfy Los Angeles Regional Water Quality Control Board concerns regarding groundwater, three monitoring wells installed and sampled. These results were used as the basis for obtaining groundwater closure for the site from the Los Angeles Regional Water Quality Control Board and the Los Angeles County Fire Department.

Multiple Oil Field Projects, Huntington Beach, California — Project manager and technical lead for ten projects involving the redevelopment of 200 acres of former oil field property in Huntington Beach, California as residential communities. The lead agency for these sites was the Huntington Beach Fire Department. Mr. Feldman's responsibilities included overall project management and technical direction of the project, acting as primary client contact, and serving as regulatory agency liaison on behalf of the client. Soil remediation for all of these projects was performed in conjunction with mass grading, and involved excavation, segregation, and blending of up to 20,000 cubic yards of soil per day. Based on the results of post-remediation confirmation sampling, all of the sites were closed and have since been redeveloped.

Former Burn Dump, Vista, California — Task manager for investigation of a former burn dump landfill which had been repurposed as a Little League baseball field. The lead agency for this site was the California Department of Toxic Substances Control. Potential concerns at the site included burn waste with high lead concentrations that was locally exposed at the ground surface, potential groundwater impacts from the waste, potential methane and VOC impacts in soil gas, and potential dioxin impacts, both on-site and in an adjacent creek. Work included excavating test pits and drilling soil borings to assess the extent of burn waste, inert waste, and construction debris that had been used as fill prior to constructing the baseball field; installing groundwater monitoring wells; conducting a soil gas survey to evaluate both methane and VOCs; and conducting surface water and sediment sampling. The investigation successfully characterized the extent of the former burn pits and other waste, and found that groundwater, sediment, and soil gas were not significantly impacted. The investigation results were used to develop a plan for capping the former landfill.

Former Tank Farm, Richmond, California — Project manager and technical lead for a project involving the redevelopment of a former tank farm property as a multifamily residential community. The lead agency for this site was the San Francisco Bay Regional Water Quality Control Board. The property had been mired in regulatory red tape for years as a result of earlier remediation activities, which included placing petroleum-impacted soil in "repositories" which were subsequently classified as Class II landfills by the lead agency. Mr. Feldman developed an approach for obtaining agency closure for the site which included redrawing parcel boundaries to exclude the "repositories" from the site, conducting additional soil sampling in areas where impacted soil had been left in place during the prior remediation activities, and conducting a human health risk assessment to show that impacted soil remaining in place was not

significant health risk. Based on this work, the lead agency issued a closure letter for the property, which allowed the client to obtain financing for the redevelopment project.

Environmental Due Diligence, 13,000-Acre Portfolio, California — Mr. Feldman managed environmental due diligence investigations related to the acquisition of a portfolio of California properties totaling approximately 13,000 acres. The portfolio included former oil field properties, commercial and residential properties, and undeveloped land. This project involved performing 36 Phase I Environmental Site Assessments, 11 Phase II investigations, 10 geotechnical investigations, remediation cost estimating, assisting the client in negotiating environmental indemnifications with the seller, and providing extensive technical support to legal counsel.

Environmental Due Diligence, 1,300-Acre Portfolio, Multiple States — Mr. Feldman managed environmental due diligence investigations related to the acquisition of a portfolio of ten properties totaling 1,300 acres in California, Texas, and Mississippi. The portfolio included several properties located within the Norton Air Force Base NPL site, and a property formerly used by the U.S. Army for munitions manufacturing and testing during World War II. In addition, several properties included wetlands and/or threatened and endangered species habitat. Mr. Feldman coordinated the environmental due diligence activities, including biological constraints surveys, and was responsible for review and analysis of previous studies conducted by the U.S. Air Force and U.S. Army, which included site characterization, site remediation, and groundwater monitoring work.

Per- and Polyfluoralkyl Substances Screening Investigations, Southern California – Project manager and technical lead for per- and polyfluoralkyl substances (PFAS) screening investigations at three sites in southern California. Work included the development of sampling and analysis plans (including sections on avoiding cross-contamination from field equipment and common consumer products), quality assurance project plans, oversight of field work, and reporting.

PFAS Training, Los Alamos Legacy Cleanup, Los Alamos, New Mexico – Developed and presented a PFAS sampling training program for the Los Alamos Legacy Cleanup. Groundwater and surface water sampling for PFAS was required at the site under the 2020 Interim Facility-Wide Groundwater Monitoring Plan. Attendees at the training sessions included groundwater sampling field technicians, technical staff, the project management team, and staff from the New Mexico Environment Department. The primary emphasis of the training program was on understanding and minimizing potential sources of PFAS cross-contamination, including identifying potential issues with field equipment and consumer products that could be encountered during sampling.

APPENDIX G
PHASE I ESA SHELF LIFE SUMMARY

PHASE I ESA SHELF LIFE SUMMARY

Effective Date of the Phase I ESA Report:
March 22, 2022.

Date Site Inspection Reconnaissance was Performed:
January 7, 2022.

Dates Interviews were Performed:
Between December 17, 2021 and January 7, 2022.

Dates Records Reviews were Performed:
Between December 17, 2021 and January 28, 2022.

Date Lien Search was Performed:
Texas Environmental Research, 2021, Environmental Lien and Other Activity Use Limitations (AULs) Search, Parcels 5108-011-909 and 5108-011-910, 750 East 49th Street, Los Angeles County, California: dated December 27, 2021.

Shelf Life:
The shelf life (continued viability) of the Phase I ESA Report is pursuant to the time frame specified within ASTM Standard Practice E1527-21. Tetra Tech understands the ASTM time frame to be 180 days from the first of the following dates: of interviews, environmental liens and other AULs searches, records review, visual inspection of the Site and, from curbside or the Site, adjacent properties, and declaration by the environmental professional(s) responsible for the assessment.

Appendix G. Preliminary Environmental Assessment Equivalent Report - 49th Street Elementary School – Major Modernization Project

Appendices

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INTEROFFICE CORRESPONDENCE
Los **A**ngeles **U**nified **S**chool **D**istrict
Office of Environmental Health and Safety

DATE: July 19, 2023

TO: Leah Guthrie
Facilities Development Manager
FSD – Asset Management

FROM: Filmon Tesfaslasie,
Site Assessment Project Manager (CP)
Office of Environmental Health and Safety

SUBJECT: 49TH STREET ELEMENTARY SCHOOL
PRELIMINARY ENVIRONMENTAL ASSESSMENT – MAJOR MODERNIZATION

The Los Angeles Unified School District (LAUSD) has completed a Preliminary Environmental Assessment Equivalent (PEA-E) for the major modernization Project at 49th Street Elementary School (the "Site") located at 750 E 49th St, Los Angeles, CA. Attached herewith is the Draft PEA-E Report, which presents the findings of the environmental investigation performed at the Site.

The PEA-E reported elevated chemicals of concern above their respective screening level or regulatory threshold. The report noted the following regarding the elevated chemicals of concern.

1. Arsenic. Elevated arsenic concentration was reported in the north, northeast, and south portion of the Site. The arsenic-impacted soil is estimated to be 1,400 cubic yards (yd^3). Part of the arsenic-impacted soil is characterized to be federal and state (California) regulated hazardous waste when excavated.
2. Lead. Elevated lead concentrations were reported in the central portion of the Site covered under the asphalt pavement. The lead-impacted soil is estimated to be 10 $yd^3$and is characterized to be state regulated hazardous waste when excavated.
3. Abandoned fuel pipe. Approximately 100 feet of abandoned fuel pipeline leading from E. 49th Street to the former oil tank was identified at the northern portion of the Site using a geophysical investigation. In addition, petroleum hydrocarbon (diesel and motor) impacted soil was encountered in the parking area located northwest portion of the site. The impacted soil is estimated to be 4 yd^3.

The PEA-E recommends the completion of a Removal Action Workplan (RAW) that will provide the removal plan, health and safety procedures, air monitoring and soil confirmation sampling procedures, transportation and disposal requirements, and estimated removal costs. Once the removal action is completed, Removal Action Completion Report (RACR) will be prepared.

All other remaining chemicals of concern, including the ones listed under the South Coast Air Quality Monitoring District (SCAQMD) Rule 1466, were not reported above their respective screening level or above the 95 percent upper confidence limit of the arithmetic mean for the Site. Therefore, compliance with SCAQMD Rule 1466 is not required.

As a general note, dust mitigation measures shall be implemented during any project-related excavation and/or earth-disturbing activities at the Site. Additionally, if any stained or odorous soil is observed during construction, stop work shall be initiated and OEHS shall be notified. In the event that the project requires the disposal of excess soil, soil sampling per the LAUSD Specification Section 01-4524 will be required prior to characterization and acceptance for off-site disposal.

Should you have any questions or concerns regarding this memorandum, please contact OEHS Site Assessment Project Manager Filmon Tesfaslasie at (213) 241-4578 or at cp-f.tesfaslasie@lausd.net.

Attachment: Preliminary Environmental Assessment – Equivalent (PEA-E) Report, 49th Street Elementary School – Major Modernization Project, 750 E 49th Street, Los Angeles, California 90011, dated July 19, 2023.

CC: Project File

Preliminary Environmental Assessment Equivalent Report

49th Street Elementary School – Major Modernization Project

750 East 49th Street

Los Angeles, California 90011

Office of Environmental Health and Safety
Los Angeles Unified School District

333 South Beaudry Avenue, 21st Floor | Los Angeles, California 90017

July 19, 2023 | Project No. 211936010



Geotechnical | Environmental | Construction Inspection & Testing | Forensic Engineering & Expert Witness

Geophysics | Engineering Geology | Laboratory Testing | Industrial Hygiene | Occupational Safety | Air Quality | GIS

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

35+ YEARS

Preliminary Environmental Assessment Equivalent Report

49th Street Elementary School – Major Modernization Project

750 East 49th Street

Los Angeles, California 90011

Mr. Patrick Schanen
Office of Environmental Health and Safety
Los Angeles Unified School District
3 South Beaudry Avenue, 21st Floor | Los Angeles, California 90017

July 19, 2023 | Project No. 211936010

Aileen Chea
Senior Staff Engineer

Dennis Fee
Senior Project Engineer

Anthony Lizzi, PG, CHG
Principal Geologist

CERTIFIED HYDROGEOLOGIST
ANTHONY LIZZI
No. 799
STATE OF CALIFORNIA

AC/DWF/AJL/mlc

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1 INTRODUCTION AND SUMMARY

This report presents a summary of the Preliminary Environmental Assessment (PEA) Equivalent work conducted for the 49th Street Elementary School Major Modernization Project. The PEA was conducted within the boundaries of the 49th Street Elementary School at 750 E. 49th Street in Los Angeles, California (site; Figure 1), under the oversight of the Los Angeles Unified School District (LAUSD) Office of Environmental Health and Safety (OEHS).

A Phase I Environmental Site Assessment (ESA) of the 49th Street Elementary School was prepared by Tetra Tech in 2022 (Tetra Tech, 2022). Based on the findings of the Phase I ESA, Tetra Tech recommended that a PEA be conducted at the site to characterize potential environmental conditions that may be present in the site's soil and soil vapor.

In response to this, LAUSD released a Request for Proposals (RFP) to address the recognized environmental conditions and potential environmental concerns outlined in Tetra Tech's Phase I ESA (LAUSD, 2022).The PEA was conducted in general accordance with the Los Angeles Unified School District RFP Scope of Services, dated November 14, 2022 (LAUSD, 2022); proposal for PEA Equivalent, dated December 2, 2022 (Ninyo & Moore, 2022); and Amendment 1, dated March 15, 2023 (Ninyo & Moore, 2023).Additionally, Ninyo & Moore prepared a PEA Equivalent Work Plan that consisted of a sampling rationale table and figure showing the proposed sampling locations. The table and figure presented proposed sampling locations and target contaminants of concern, which were based on the review of the Phase I ESA conducted by Tetra Tech (Tetra Tech, 2022) and other site background documents provided by LAUSD, which are discussed further in Section 4.3.

2 SITE DESCRIPTION

The following discusses site information in more detail.

2.1 Site Name

The site is identified by LAUSD as the 49th Street Elementary School.

2.2 Site Address

The current site address is:

750 E. 49th Street
Los Angeles, California 90011

2.3 Designated Contact Person

The designated LAUSD contact person for this project is Mr. Filmon Tesfaslasie, Site Assessment Project Manager.

2.4 Mailing Address

The mailing address designated for this project is:

Office of Environmental Health and Safety
Los Angeles Unified School District
333 South Beaudry Avenue, 21st Floor
Los Angeles, California 90017
Attention: Mr. Tony Espinoza

2.5 Site Location

The site is located within the property boundaries of 49th Street Elementary School at 750 E. 49th Street, in Los Angeles, California (Figure 1). According to the United States Geological Survey (USGS) Inglewood Quadrangle Map, dated 2015, the site is at an elevation of approximately 180 feet above mean sea level. The site slopes gently to the southwest (USGS, 2015). According to the Los Angeles County Assessor's office, the site consists of parcels that are assigned Assessor's Parcel Numbers 5108-011-909 and 5108-011-910.

2.6 Proposed Project

LAUSD is undertaking a major modernization project at the 49th Street Elementary School.

3 PRELIMINARY ENVIRONMENTAL ASSESSMENT OBJECTIVES

The overall objectives of the PEA included:

- Evaluating historical information for indications of the past use, storage, disposal, or release of hazardous wastes/substances at the site.
- Assessing whether historic or current uses have resulted in releases of chemicals of potential concern (COPCs) to the site.
- Establishing, through a field sampling and analysis program, the nature of COPCs that may be present in soil at the site, their concentrations, and general extent.
- Estimating the potential threat to public health and the environment posed by COPCs at the site.

The following regulatory agency screening criteria were used to evaluate the laboratory soil and soil vapor sampling results.

- United States Environmental Protection Agency's (EPA's) Regional Screening Levels (RSLs) for residential soils (EPA, 2023).
- The Department of Toxic Substances Control's (DTSC's) background concentration for arsenic in Southern California (DTSC, 2008a).
- The Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number: 3, DTSC-modified Screening Levels (DTSC SLs) (DTSC, 2020).

4 BACKGROUND RESEARCH FOR THE SITE

4.1 Site Information

The site is located on 5.73 acres at the southwest corner of the intersection of East 49th Street and McKinley Avenue in Los Angeles, California. The western portion of the site was developed and occupied by single-family residences starting in 1900 while the eastern part was undeveloped. Around 1922, the eastern portion of the site was developed and occupied by the 49th Street Elementary School. The existing main building (Building ID # 14040) was the only building at the site during this time. Between 1962 and 1970, most of the single-family residences were demolished and the site was developed to the existing site configuration. The current site includes one administration/classroom building (Building ID # 14036), four classroom buildings (classroom building [Building ID # 13718], the west building [Building ID # 13933], main building [Building ID # 14040], south building [Building ID #13583]), an auditorium building (Building ID # 14196), and a cafeteria building (Building ID # 13566). The remainder of the site (the western portion) is paved with asphalt and is used as a playground and parking area.

4.2 Surrounding Land Use

The site vicinity consists primarily of residential properties with some dispersed commercial properties. The site is bordered by East 49th Street to the north, McKinley Avenue to the east, East 50th Street to the south, and 49th Street Park and residential properties in the west (Figure 1).

4.3 Previous Site Investigations

Ninyo & Moore reviewed the Phase I ESA Report prepared by Tetra Tech, dated March 22, 2022 (Tetra Tech, 2022). Based on the findings of the Phase I ESA, several Recognized Environmental Conditions (REC) were identified for the site. These are:

- The potential presence of lead-contaminated soils associated with the potential use of lead-based paint in the buildings,
- The potential presence of organochlorine pesticide (OCP)-contaminated soils associated with the potential application of OCPs,

- The potential presence of polychlorinated biphenyl (PCB)-contaminated soils due to the potential use of PCB-containing caulking and paints in the buildings,
- The Potential presence of arsenic-contaminated soils due to LAUSD's former standard practice of applying herbicides containing arsenic prior to paving,
- The historical presence of a concrete incinerator,
- The presence of an oil tank between the main building and the west building,
- The presence of a second oil tank south of the southwest corner of the existing west building (unknown if the oil tanks are aboveground storage tanks [ASTs] or underground storage tanks [USTs]),
- The presence of two boiler rooms.

RECs and other potential environmental concerns identified in Tetra Tech's Phase I ESA were used to create our sampling rationale table (Table 1) and location of soil/soil vapor borings (Figure 2). Other site-specific documents that were provided by LAUSD, reviewed by Ninyo & Moore, and incorporated into our rationale table and selection of boring locations included the following:

- Asbestos/asphalt survey of Modification Development Zone
- July 27, 2009, Converse Consultants, Export Soil Sampling Report
- October 15, 2007, Lindmark Engineering, Soil Certification Report
- October 30, 2008, Baader Env Services, Soil Certification Report
- Board of Education Map, Historic Central Avenue Community of Schools, Local District Central, Board District 7
- Vault drawings of incinerator Oil Tank (Grading Plan & Piping Plan), 1934 & 1935
- Two plot plans showing locations of the Oil Tank, 1934 & 1948
- Stantec Survey Topographic & Utility Map (July, 2022) 11 individual maps
- GPI Preliminary Geotechnical Investigation, Proposed Major Modernization Project (revised January 2022)
- Auto CADD Files of Site Survey maps

5 GEOLOGY AND HYDROLOGY

The following sections provide a description of the site geology and hydrology.

5.1 Geologic and Soil Conditions

Based on a review of the California Department of Conservation 2010 Geologic Map online, the site is mapped with generalized soil types primarily comprised of Holocene alluvial gravel, sand, and clay, derived mostly from Santa Monica mountains (Dibblee & Minch, 2007).

Soils encountered during this PEA Equivalent consisted of fill material and native alluvium to the maximum depth explored of 15 feet below ground surface (bgs). The fill material was primarily a brown, loose silty sand and fine-grained sand, which was encountered from surface or directly below pavement until total depth of native alluvium was encountered. Fill was encountered up to the maximum depth explored of 15 feet bgs in borings located near the former suspected UST pit in the eastern portion of the site. The alluvium encountered during this PEA consisted primarily of light brown poorly graded sand and well-graded sand. Native alluvium was encountered at 3.5 to 4 feet bgs in the western portion of the site, and generally increased in depth encountered eastward as the age of site development increased (see Figure 2 for different periods of development).

5.2 Site Hydrology

The following sections discuss the site hydrology in terms of both surface waters and groundwater.

5.2.1 Surface Waters

There are no natural surface water bodies, such as streams, rivers, ponds, and lakes, at the site.

5.2.2 Groundwater

According to information reviewed on State Water Resources Control Board's (SWRCB's) GeoTracker website related to the closed leaking underground storage tank case associated with the Winall Oil Company Station No. 9 (4442 Avalon Boulevard), located approximately 0.3 miles to the north-northwest of the site, groundwater was measured in May 2013 at depths ranging from approximately 189.45 to 190.61 feet bgs. The approximate groundwater flow direction was reported to be toward the east. Groundwater levels can fluctuate due to seasonal variations, groundwater withdrawal or injection, and other factors.

6 PUBLIC PARTICIPATION

Prior to the start of field activities, a notice of fieldwork was prepared and posted on the site perimeter fences. The field notices were prepared on LAUSD's letterhead printed double-sided with both English and Spanish languages, and delivered to residences and businesses within line-

of-sight of the school. In addition, field notices were provided to the school students, faculty, and parents to keep them informed about the PEA work. Copies of the English and Spanish versions of the field notices are included in Appendix A.

7 CONCEPTUAL SITE MODEL

A Conceptual Site Model (CSM) was developed to achieve a preliminary understanding of the potential risks to human health and the environment at the site and to assist in developing the sampling plan. The CSM accounts for site-specific conditions and potential impact receptors, and illustrates possible contaminant transport mechanisms and exposure pathways assuming the proposed site condition for the 49th Street Elementary School Major Modernization Project. The CSM presented within this report may be updated as necessary as new information is obtained. Currently, the CSM is informed by review of readily available information and is presented as Figure 3. Given the redevelopment plan for the Site, outside of the potential for direct exposure to site soil during intermittent subsurface maintenance work, direct exposure to subsurface soil is expected to be limited for most site users and residents. However, given all of these factors, the exposure pathways within the CSM are as followed:

- School staff and students are assumed have a limited potential to come into direct contact with surface soils, including through accidental ingestion, inhalation, and dermal contact.
- School staff and students are assumed have a limited potential for inhalation of volatilized soil gas in indoor air.
- Site construction workers for the 49th Street Elementary School Major Modernization Project will, in the course of their work, have the potential to intermittently come into contact with surface and subsurface soils during site redevelopment, excavation, paving, grading, or other earthmoving activities.

Potential impacts related to stormwater runoff or surface water are expected to be nominal for this project, as related media (e.g. shallow soil) and exposure pathways will be mitigated during site construction activities, and will be nominal following project completion.

8 RATIONALE FOR SAMPLING STRATEGY

Prior to initiating field sampling, Ninyo & Moore developed a work plan, in coordination with LAUSD, with the purpose of recognizing COPCs and corresponding Areas of Concern (AOCs) at the site that were identified during our background research (Section 4). The rationale for the sampling strategy implemented for this PEA and the COPCs for each AOC are provided in Table 1 and are summarized below:

- **AOC1** – AOC1, which consists of shallow soil surrounding buildings planned for demolition (West Building, Auditorium, Cafeteria) was assessed for the presence of lead-based paint, arsenic-containing termiticides and chlorinated pesticides around building footprints, and PCBs in caulking of building materials. COPCs include lead, arsenic, OCPs, and PCBs. Title 22 Metals, Hexavalent chromium, asbestos, and polycyclic aromatic hydrocarbons (PAHs) were also assessed for SCAQMD Rule 1466 requirements.

- **AOC2** – AOC2, which consists of shallow soil underlying paved areas throughout the site, was assessed for the potential historical application of arsenic-containing herbicides and lead, PCBs, and asbestos from historical buildings that were demolished. Title 22 Metals, hexavalent chromium, and PAHs were also assessed for SCAQMD Rule 1466 requirements.

- **AOC3** – AOC3, which consists of shallow soil around an electrical transformer at the southern portion of the site, was assessed for the potential use and spillage of PCB-containing oil. COPCs include PCBs.

- **AOC4** – AOC4, which consists of four discrete locations placed adjacent to GPI geotechnical borings B-2 through B-5, was sampled to assess uncertified fill against native soil conditions in portions of the site that represents different time periods of site development. COPCs include Title 22 Metals, volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH), and OCPs.

- **AOC5** – AOC5, which consists of the former location of a concrete incinerator south of the West Building, was assessed for potential contaminants associated with the historical use of a concrete gas-fired incinerator. COPCs include Title 22 metals, VOCs, TPH, PAHs, dioxins & furans, and hexavalent chromium

- **AOC6** – AOC6, which consists of the area around a potential former oil tank used for storing petroleum products (likely heating oil) and associated product pipeline identified in historical vault drawings, was assessed for potential spills and leaks associated with its use. COPCs include Title 22 Metals, VOCs in soil and soil vapor, TPH, and PCBs.

- **AOC7** – AOC7, located between the Main Building and the West Building, consists of a former oil tank and the associated product pipeline, the presence of which was indicated in historical vault drawings and the geophysical survey. AOC7 was assessed for potential impacts from leaks or spills associated with a former operation of heating oil tank. COPCs include Title 22 Metals, VOCs in soil and soil vapor, TPH, and PCBs.

- **AOC8** – AOC8, which consists of the area of a historical boiler room that was backfilled to the west of the Main Building, was assessed for contamination associated with the use of boiler room, including heating oils, gases, and other petroleum products. COPCs include Title 22 Metals, VOCs in soil and soil vapor, TPH, and PCBs.

- **AOC9** – AOC9, located near a hazardous materials storage shed in the southern portion of the site, was assessed for the historical use and potential spillage of hazardous materials including gasoline and motor oils. COPCs include Title 22 Metals, VOCs, and TPH.

- **AOC10** – AOC10, located in the asphalt-paved parking lot in the northwest portion of the site, was assessed for vehicle oil leaks and associated subsurface impacts. COPCs include Title 22 Metals, VOCs in soil and soil vapor, and TPH.

9 SAMPLING AND ANALYSIS

Field sampling activities were performed in general accordance with the PEA Equivalent Scope of Services, dated November 14, 2022 (LAUSD, 2022); proposal for PEA Equivalent, dated December 2, 2022 (Ninyo & Moore, 2022); and Amendment 1, dated March 15, 2023 (Ninyo & Moore, 2023). The boring locations, sample depths, rationale, and analyses for each sampling location are provided in Table 1. Photographs of the PEA activities are included in Appendix B. The approximate locations of the soil borings are presented in Figure 2. Boring logs are presented in Appendix C.

9.1 Health and Safety Plan

Ninyo & Moore prepared a site-specific Health and Safety Plan (HSP) in anticipation of field activities at the site. The HSP included requirements, policies and procedures adequate to protect site workers, the public, and the environment from potential site hazards. Contractors involved in this evaluation were required to abide by these requirements. The HSP also provided site-specific scopes of work and indicated COPCs. Prior to the start of field activities, a site safety briefing was conducted to review the HSP, identify potential physical and chemical hazards, and outline measures to be taken in the event of an emergency. On-site personnel were required to sign the safety briefing form.

9.2 Underground Service Alert (USA)

Underground Service Alert (USA) of Southern California (Dig Alert) was notified of the intent to conduct subsurface vertical drilling and sampling activities at least 48 hours prior to the initiation of field tasks. Ninyo & Moore obtained inquiry identification number B230390488 from USA and responded to inquiries from local entities that have active lines in the area. The presence of potential subsurface utilities or obstructions was also checked against utility maps and drawings provided by the LAUSD.

9.3 Utility Clearance and Full-Scan Geophysical Survey

An initial geophysical survey was performed at each proposed sampling location, with the intent to locate utilities and other subsurface structures that could impede the proposed sampling locations. Few borings were moved slightly from their original location to avoid impacts with utilities.

After the initial scan and clearance for utilities at each boring location, a full-scan geophysical survey was conducted in the southern, eastern, and western perimeter of the West Building (highlighted area of Figure 2). The purpose of the full-scan geophysical survey was to identify

subsurface structures and anomalies, namely those identified in the Tetra Tech Phase I ESA (Tetra Tech, 2022) and LAUSD-provided historical drawings and plans. These suspected historical structures included:

- A concrete incinerator
- A heating oil tank between the main building and the west building and associated pipeline and filler box
- A second oil tank south of the southwest corner of the existing west building
- Former boiler room, demolished and backfilled (located west of the main building)

On February 18th and 20th, Subsurface Surveys & Associated, Inc. (SSS) of Carlsbad, California performed the full-scan geophysical survey of the area around the West Building in the northeast portion of the site. Findings of the geophysical survey included the following:

- No evidence of a former incinerator was detected in the area indicated from historical drawings and plans
- In the area of the heating oil tank identified from historical drawings located between the main building and west building, a deep soil disturbance was detected measuring approximately 11 feet 9 inches by 11 feet 6 inches. This coincides well with the location and extent of the former heating oil tank identified during background research. Due to the presence of an access concrete ramp, some of the surrounding areas could not be properly assessed.
- An abandoned fuel line was detected leading to the former heating oil tank area from an oil filler box along East 49th Street and associated sidewalk to the north.
- No evidence of a second oil tank was detected in the area indicated from historical drawings and plans
- In the area of the former boiler room to the west of the Main Building, a shallow soil disturbance was detected measuring approximately 10 feet 8 inches by 6 feet 6 inches, and coincides well with the approximate location and extent of the former boiler room in this area.

Geophysical investigative methods employed for both the utility clearance and full-scan geophysical survey included a combination of electromagnetic induction (EM) and ground penetrating radar (GPR). The geophysical survey report is presented in Appendix D.

9.4 Soil Sampling Activities

On February 18 and February 20, 2023, 36 soil boring locations were advanced to depths ranging between 2.5 to 10 feet bgs to assess COPCs outlined in Table 1. Based on the findings of this first phase of work, and to complete additional borings not previously advanced, 28 additional soil borings were advanced on April 3 and April 5, 2023. These included a number of borings around

the West Building and Cafeteria and from the planter boxes in the northern perimeter of the site to delineate elevated arsenic (Section 10.1.1). Multi-depth soil vapor probes were installed in six borings during this second phase at depths of approximately 5 and 15 feet bgs.

On May 6, 2023, six additional step-out borings were advanced around B34 to define the extents of lead impacts detected at approximately 2.5-feet in boring B34 and two co-located borings were advanced around B40 (B40A) and B41 (B41A) to further delineate the extent of arsenic at the east side of West Building. The locations of the soil borings advanced between February 18 and May 6 are displayed in Figure 2. Sampling protocol, observed site conditions, and observations during this PEA include the following:

- Most of the soil borings advanced for this PEA Equivalent were located in paved areas. Borings located within asphalt or concrete were cored to expose the underlying soil for sampling.
- Borings were advanced up to approximately 5 feet bgs using a stainless-steel hand auger.
- A Geoprobe 6620DT was used to advance below 5 feet bgs in borings scheduled for deeper sampling to a maximum depth of approximately 15 feet bgs.
- Interphase Environmental (Interphase) of Commerce, California, provided coring, auguring, and drilling services.
- Soil samples scheduled for VOC analyses were screened in the field for VOCs using a photo-ionization detector (PID). The PID readings detected at the site ranged from 0.0 to 5.5 ppm.
- Soils encountered during this PEA consisted of fill material and native alluvium to the maximum depth explored of 15 feet below ground surface (bgs) and were logged in accordance with standard USGS classification. See Section 5.1 for a description of encountered soils and Appendix C for boring logs.
- Groundwater was not encountered during PEA field sampling activities.

9.5 Sample Handling

Samples collected were labeled with the sample identification, collection date and time, and sampler's initials. Project number, sampling information, time, date of sample collection, sample matrix type, turn-around-time, container type, requested analysis, and other information were recorded on the chain-of-custody (COC) form. Soil samples were stored in a cooler containing ice and transported under COC protocol to Orange Coast Analytical, Inc. (OCA) in Tustin, California, a State-certified environmental fixed laboratory for various analytical constituents (see Table 1 for details). Soil vapor sampling was conducted on-site using a mobile laboratory administered by Jones Environmental, Inc. (Jones) of Santa Fe Springs, California. Soil vapor samples were

collected in accordance with DTSC protocol (DTSC, 2023) and analyzed at a mobile laboratory for VOCs by EPA Method 8260B.

9.6 Decontamination

A clean and decontaminated hand auger sampler was used for each borehole location. Sampling equipment was decontaminated between sampling intervals and borehole locations using standard industry practices (3-stage rinse of DI Water, Alconox Wash, and DI Water again) to avoid introduction of foreign materials and cross contamination between sampling locations.

9.7 Investigation Derived Wastes

Soil cuttings and decontamination water were stored in three Department of Transportation-approved 55-gallon drums and were staged adjacent to the west boundary of the cafeteria building in co-ordination with the LAUSD representative. The drums were labeled with generator information including: Site name and address, generator name and phone number, contents, date of accumulation, and designated 'pending analysis' for the waste classification. The drums were characterized as non-hazardous waste and removed from the site on June 13, 2023 for disposal at Soil Safe in Adelanto, California. The signed non-hazardous waste manifest is included in Appendix E.

10 ANALYTICAL RESULTS

The following presents the results of PEA sampling activities. Analytical results are presented in Tables 2, 3, 4, 5, and 6. Laboratory reports are presented in Appendix F.

10.1 Soil Sampling for Metals

Concentrations of metals other than arsenic and lead were not detected above the laboratory reporting limits and/or above the residential screening levels. Analytical results for Title 22 metals analyzed are summarized in Table 2.

10.1.1 Arsenic

Arsenic were reported in of the soil samples analyzed. Eighteen (18) soil samples were reported as having arsenic concentrations above the DTSC Acceptable Clean Up Level of 12 milligrams per kilogram (mg/kg). Soluble threshold limit concentration (STLC) and toxicity characteristic leaching procedure (TCLP) concentrations were analyzed in all samples that exceeded the 20 times TCLP value and/or 10 STLC value. Four soil samples (B4-0.5, B4-2.5, B4-W2-0.5, and B41A-0.5) were reported exceeding the STLC level of 5.0 milligrams per liter (mg/l), and one soil sample (B4-0.5) exceeding TCLP waste level of 5.0 mg/l.

Elevated arsenic concentrations (above 12 mg/kg) were encountered in the northern portion of the site (north of the West Building, Administration/Library Building, Classroom Buildings) and in the southern portion of the Site (south of Cafeteria Building). The extent of the elevated arsenic is defined in the northern portion of the site by borings B20 to the west and B40 to the east. The maximum arsenic concentration (720 mg/kg) was reported along the northeastern perimeter of the West Building (sample collected from boring B4). The soluble arsenic (STLC) and leaching (TCLP) concentrations exceeded their respective values. Therefore, soil excavated from this area should be characterized as Federal (Resources Conservation and Recovery Act [RCRA]) hazardous waste upon excavation. Elevated concentrations of arsenic are shown in Figure 4.

10.1.2 Lead

Three near-surface (0 to 0.5 feet bgs) soil samples collected from primary borings (B10, B16, and B45) during this PEA contained lead at concentrations of 91 mg/kg, 92 mg/kg, and 200 mg/kg, respectively. These concentrations exceed the DTSC residential SL of 80 mg/kg. Additionally, soil samples from B34 and step-out boring B34-NE, collected from approximately 2 to 2.5 feet bgs, contained reported concentrations of lead at 230 and 360 mg/kg, respectively. Additionally, soil sample B34-2.5 exceeded the STLC level of 5.0 mg/l, characterizing the soil as California hazardous. California hazardous soil in this area was delineated to the northeast by sample B34-NE2-2.5. No samples reported exceedances of the lead TCLP of 5 mg/l. Elevated lead concentrations from this PEA are displayed in Figure 4.

Based on the results of lead above 80 mg/kg discovered in certain locations, the 95 Percent Upper Confidence Limit (95% UCL) for lead in soil (excluding B34 and associated step out borings) was calculated in ProUCL to assess whether lead detected at the site represents an unacceptable risk to site occupants. The 95% UCL for lead in soils at the site was calculated as 36.8 mg/kg, which is below the DTSC SL of 80 mg/kg. The 95% UCL calculation for lead is provided in Appendix G. Based on this result, lead is not considered an environmental concern at the site, with the exception of the “hot spot” located around B34 at approximately 2.5 feet bgs.

10.2 Soil Sampling for TPHs

TPH as gasoline, diesel, and motor oil range organics was analyzed in 44 samples collected throughout the site. Diesel range organics (DROs) One sample (B45-0.5) collected in the parking lot area in the northwest portion of the site, contained a reported concentration of DRO of 490

mg/kg, which exceeds the San Francisco Regional Water Quality Control Board (SFRWQCB) Tier 1 Environmental Screening Level (ESL) of 260 mg/kg, but does not exceed the LAUSD's Section 01 4524 Import Fill Testing Requirement of 1,000 mg/kg. The motor oil range organic (MRO) concentration in this sample was detected at 1,900 mg/kg, which exceeds the SFRWQCB Tier 1 ESL of 1,600 mg/kg and exceeds the LAUSD Section 01 4524 Important Fill Testing Requirement of 1,000 mg/kg. These elevated concentrations are likely the result of oil and fuel leaks associated with the use of the parking lot. It should be noted that the surrogate recovery for this sample was above laboratory acceptance limits.

Concentrations of MROs and gasoline range organics (GROs) were not detected above the EPA RSLs in any of the samples analyzed. Analytical results are presented in Table 3.

10.3 Soil Sampling for VOCs

Concentrations of VOCs were not detected above the laboratory reporting limits in the 38 soil samples analyzed. Analytical results are summarized in Table 3.

10.4 Soil Sampling for PAHs

Concentrations of PAHs were not detected above the laboratory reporting limits in the 15 samples analyzed. Analytical results are presented in Table 3.

10.5 Soil Sampling for Asbestos

Asbestos was initially estimated via polarized light microscopy (PLM) in soil sample B20-0.5 but was not detected in the soil samples B20-0.5 and B20-2.5 when using 1,000-point count analysis. This soil is not considered a regulated waste on the federal, state, or local level and therefore no additional action is required with respect to asbestos. Asbestos was not detected in any other sample analyzed. Analytical results are presented in Table 3.

10.6 Soil Sampling for OCPs

Concentrations of OCPs were not detected above the laboratory reporting limits in the nine discrete or 12 composite samples analyzed. Analytical results are presented in Table 4.

10.7 Soil Sampling for PCBs

One sample (B19-0.5) reported an Aroclor 1254 concentration of 250 µg/kg, which exceeds EPA's RSL of 240 µg/kg. Concentrations of other PCBs were either not detected above the laboratory reporting limits or above associated residential screening levels. Analytical results are summarized in Table 4.

Based upon these results, the 95% UCL for PCB-Aroclor 1254 in soils was assessed in ProUCL. The 95% UCL for PCB-Aroclor 1254 in soils at the site was calculated as 46.59 µg/kg, which is below the EPA RSL of 240 µg/kg. The 95% UCL calculation for PCB-Aroclor 1254 is provided in Appendix G.

10.8 Soil Sampling for Dioxins and Furans

One sample collected at the surface near the former extent of the concrete incinerator (B36-0.5) was analyzed for dioxin and furans by EPA Method 8290A. Dioxin and furan compounds 1,2,3,7,8,9-HxCDF, 1,2,3,4,6,7,8-HpCDD, 1,2,3,4,6,7,8-HpCDF, OCDD, and OCDF were reported in this sample ranging between 0.13 to 2.3 picograms per gram (pg/g). The remaining dioxins and furans compounds were not detected above the laboratory detection limits. The five dioxins and furans with reported results were below the reporting limit and are considered estimated concentrations (detected between the reporting limit and detection limit). Additionally, these compounds were reported below EPA RSLs for dioxin-like compounds, using EPA-recommended Toxic Equivalency Factors (TEFs).

All analytes yielding results were also found in the method blank. Method 8290A is an ultra-low sensitive method and it is a common occurrence to see low level detections in samples and method blanks. It also is possible that the detections in this sample are a “false positive” and were also a result of residuals from prior samples, but these instances cannot be confirmed. Analytical results are summarized in Table 5.

10.9 Soil Vapor Sampling for VOCs

Soil vapor samples were collected from six (6) borings with dual-nested probes at 5 and 15 feet bgs (12 primary samples plus one replicate sample). The analytical results of the VOCs in soil vapor were compared to the modified EPA RSLs for residential air and the modified DTSC HERO SLs for residential air calculated, with vapor intrusion attenuation factor of 0.03. Analytical results for VOCs at the site are summarized in Table 6. The results of soil vapor sampling are summarized as followed:

- Tetrachloroethene (PCE) was reported in the 12 samples ranging from 16 to 91 micrograms per cubic meter (µg/m^3). All reported PCE concentrations exceed the modified DTSC SL of 15.3 µg/m^3 (using an attenuation factor of 0.03).
- Other VOCs detected included 1,2,4-trimethylbenzene, ethylbenzene, Freon 112, Toluene, and Xylenes. These VOCs were detected at levels below applicable screening levels using an attenuation factor of 0.03.

Due to the detection of PCE at the site at levels exceeding the modified DTSC SL, a Human Health Screening Risk Evaluation was performed to calculate and assess risks to human health from vapor intrusion, which is presented in the following section.

11 HUMAN HEALTH SCREENING RISK EVALUATION

Ninyo & Moore conducted a Vapor Intrusion Risk Evaluation (VIRE) for the site, with the purpose to assess whether the VOCs detected in soil gas under the property are likely to exceed levels considered acceptable to California health and environmental protection agencies. The risk evaluation was based on soil gas analytical data collected at the site on April 6, 2023 for the PEA. A summary of soil gas analytical data is provided in Table 6. Vapor intrusion risk calculation tables referenced throughout this section are provided in Appendix H.

Environmental investigations conducted at the site revealed that traces of VOCs exist in soil gas at the site. The potential for VOC vapor intrusion into one of the onsite buildings was evaluated in this VIRE. Based on current land use, a school exposure scenario was evaluated. The school-based land-use scenario was developed to reflect actual occupancy rates for staff and students at the elementary school site. Therefore, a set of receptor-specific exposure assumptions were used for each type of individual.

The 49th Street Elementary School operates on a two-semester school schedule. Exposure parameters used to characterize school staff and students were taken directly from the Cal-EPA's *Guidance for School Site Risk Assessment Pursuant to Health and Safety Code Section 901(f): Guidance for Assessing Exposures and Health Risks at Existing and Proposed School Sites (Cal-EPA 2003)*. Exposure parameters used to characterize school staff and students are presented in Table G1.

11.1 Vapor Intrusion Risk Evaluation Methodology

Risk characterization involves estimating the magnitude of the potential adverse health effects that could occur due to chronic, long-term exposure to chemicals identified in soil gas at the site. The risk characterization is based on the results of the dose-response (toxicity) and exposure assessment.

It is known that chemicals may migrate through environmental media from their source to a point where human receptors may be exposed. Therefore, it was necessary to determine if the detected VOCs – given their residual concentrations, locations, soil physical characteristics, weather conditions, etc. – could potentially migrate up to the surface (where human receptors may be exposed).

Screening-level models were used to predict indoor air concentrations that may result from the chemical vapors potentially released from soil gas under the site. The estimated vapor flux and indoor air concentrations were then used to estimate potential health risks that may result from onsite exposures. For purposes of this evaluation, it was assumed that the land use is a middle school campus. The only exposure pathway that was considered complete was the volatilization of VOCs from soil gas and the subsequent emission to indoor air.

In this evaluation, maximum detected chemical concentrations (Table 6) were considered representative of chemical concentrations present in soil gas under the site. A copy of the soil gas laboratory analytical report is included in Appendix F.

The DTSC guidance recommends that multiple lines of evidence be used when evaluating the potential risk and hazards posed by vapor intrusion. DTSC recommends that the indoor air chemical concentrations that can result from vapor intrusion be estimated using the following equation:

$$AF = \frac{C_{indoor}}{C_{soil\ gas}}$$

Where:

AF = Attenuation factor (unitless)

C_{indoor} = Indoor air concentration (micrograms per cubic meter [ug/m^3])

$C_{soil\ gas}$ = Soil gas concentration (ug/m^3)

Using the above equation, the indoor air chemical concentration can be estimated by multiplying the known soil gas concentration by the default attenuation factor (AF).

In accordance with DTSC (2011) guidance, the default AF for residential buildings (0.001) was used in this VIRE along with the maximum subsurface concentrations (Table 6). The DTSC default AF reflects reasonably protective assumptions for conditions in California for the contamination of indoor air due to vapor intrusion (DTSC, 2011). However, DTSC (2023) also recommends that risk assessments evaluate vapor intrusion using the United States Environmental Protection Agency (USEPA) default AF of 0.03 (USEPA, 2015).

The AF of 0.03 was developed by the USEPA for the evaluation of sub-slab soil gas data (https://www.epa.gov/vaporintrusion/visl-users-guide). The AF of 0.03 assumes the source of contamination is located directly under the floor slab of the building. It is well known that soils

have the capacity to reduce vapor flow in the subsurface. The vapor flow mitigating capacity of soils is directly proportional to the depth of the soil layer that separates the building from the source of VOCs. Specifically, the soil's combined physical, chemical and/or lithological properties act to reduce or limit the migration of VOCs through the soil's pore spaces (Little, Daisey and Nazaroff, 1992). The natural ability of soils to reduce vapor migration is not taken into consideration when the AF of 0.03 is assumed. Indoor air VOC concentrations estimated using the AFs of 0.001 and 0.03 are presented in Tables G2 and G3, respectively.

The vapor intrusion model assumes that the concentrations in indoor air are proportional to the flux throughout the soil column, and that a gas infiltrating into the building through the foundation floor is uniformly and instantaneously mixed within the air space above the lowest occupied floor of the building. Because this model ignores a number of possible mitigating factors, it is likely that it over-predicts the chemical flux to indoor air. However, because of its simplicity, this approach provides a simple method to estimate the likely maximum rate at which chemicals would be transported to the surface soils and into a building.

The indoor air chemical concentrations estimated to result from the volatilization of VOCs could be considered to represent a "worst-case" estimate. In the calculations, it was assumed that single chemical compounds are volatilizing, traveling alone through the vadose zone and escaping to ambient air. In reality, all chemicals detected at the site are competing with each other for available soil-pore space. It is well known that chemical volatilization and migration is limited by the vapor saturation in the vadose zone. Indoor air VOC concentrations estimated using the AFs of 0.001 and 0.03 are presented in Tables G2 and G3, respectively.

11.2 Toxicity Values

The toxicity assessment characterizes the relationship between the magnitude of exposure to a COPC and the nature and magnitude of adverse health effects that may result from such exposure. For the purposes of calculating exposure criteria to be used in risk assessments, adverse health effects are classified into two broad categories – carcinogens and non-carcinogens. Toxicity values/exposure criteria are generally developed based on the threshold approach for non-carcinogenic effects and the non-threshold approach for carcinogenic effects. Toxicity values may be based on epidemiological studies, short-term human studies, and sub-chronic or chronic animal data.

A reference concentration (RfC) is an exposure concentration in air that is not expected to cause adverse health effects over a lifetime of daily exposure in the most sensitive population. All RfCs

used in this evaluation to estimate non-carcinogenic chronic health hazards are presented in Table G4.

Health risks for exposures to carcinogens are defined in terms of probabilities. The probabilities quantify the likelihood of a carcinogenic response in an individual that receives a given dose of a particular compound. These probabilities are calculated based on the potential exposure concentration and the inhalation unit risk (IUR) for a chemical.

The IUR, which is expressed in units of inverse micrograms per cubic meter $(ug/m^3)^{-1}$, is the 95% Upper Confidence Limit (UCL) of the probability of carcinogenic response per unit daily exposure to a given chemical concentration over a lifetime. The IUR multiplied by the lifetime exposure concentration of the chemical provides an estimate of the 95% UCL of the theoretical cancer risk for the specific chemical. The IURs used in this evaluation to estimate carcinogenic dose-assessment risks are presented in Table G4.

In this assessment, chronic toxicity criteria were selected in accordance with the DTSC Regulation "Toxicity Criteria for Human Health Risk Assessment" (effective September 2018) (https://dtsc.ca.gov/LawsRegsPolicies/Regs/Toxicity-Criteria-for-Human-Health-Risk-Assessment). Toxicity information was obtained from the DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note 10, Toxicity Criteria (DTSC, 2019b).

11.3 Risk Characterization

This section discusses the methods used to quantify the exposure concentration (EC) for potential receptors at the site. The estimated ECs for each VOC were used to estimate the potential for carcinogenic health risks and non-carcinogenic adverse health effects. The potential inhalation exposures were calculated using the following equation (USEPA, 2009):

$$EC = \frac{CA \bullet ET \bullet EF \bullet ED}{AT}$$

Where:

EC = Exposure concentration, ug/m^3

CA = Chemical concentration in air, ug/m^3

ET = Exposure time, hours/day

EF = Exposure frequency, days/year

ED = Exposure duration, years

AT = Averaging time, hours (used the equivalent of 70 years for carcinogens and same value as ED for non-carcinogens).

Inhalation intake factors were combined with estimated indoor air chemical concentrations (CA) to obtain the exposure concentration for onsite school staff. Exposure parameters used to characterize onsite school staff (workers) are presented in Table G1. Students were not evaluated here as their exposure is expected to lower than those assumed for school staff.

11.3.1 Non-Carcinogenic Health Hazard Evaluation

The evaluation of non-carcinogenic health hazards began with a calculation of the hazard quotient or HQ for each chemical. The HQ is defined as the ratio of the exposure concentration (EC) to the reference concentration (RfC). The HQ can be expressed according to the following equation:

$$HQ = \frac{EC}{RfC}$$

Where:

HQ = Hazard quotient, unitless

EC = Exposure concentration, ug/m^3

RfC = Reference concentration, ug/m^3

The estimated HQs are compared to an acceptable hazard level. Implicit in the HQ is the assumption of a threshold level of exposure below which no adverse effects are expected to occur. For example, if the HQ exceeds unity (because site-specific exposure exceeds the RfC), then the potential for non-cancer adverse effects may exist. In general, the greater the value above 1.0, the greater the potential hazard. In contrast, HQs of less than 1.0 indicate that no adverse health effects are expected to occur from exposure to chemicals at the site.

According to the USEPA (1989), if the HQ for a combination of chemicals is less than unity (1.0), there is no concern for potential chronic adverse health effects from the chemical exposures. The HQs estimated for school receptors are:

Students

- 0.0008 using an AF of 0.001 (Table 6).
- 0.02 using an AF of 0.03 (Table 7).

School Staff

- 0.001 using an AF of 0.001 (Table 8).
- 0.03 using an AF of 0.03 (Table 9).

The HQs estimated for both school staff and students are below the DTSC (2015) benchmark value of 1. All estimated HQs are within levels considered acceptable to California health and environmental protection agencies.

11.3.2 Cancer Risk Estimates

Cancer risks were estimated as the incremental probability of an individual developing cancer over a lifetime as a result of exposure to a potential carcinogen (i.e., incremental or excess individual lifetime cancer risk; USEPA, 1989). Cancer risks were calculated in accordance with DTSC (2015) and USEPA (1989) guidelines.

$$Risk = EC \bullet IUR$$

Where:

Risk = Upper bound incremental lifetime carcinogenic risk, unitless

EC = Exposure concentration, ug/m^3

IUR = Inhalation unit risk, $(ug/m^3)^{-1}$

The excess cancer risk was compared to the risk level considered acceptable by federal and state regulatory agencies. The target cancer risk level identified by the DTSC in the Preliminary Endangerment Assessment (PEA) Guidance Manual is 1 in 1 million (1.0E-06). However, the USEPA has established acceptable incremental cancer risk levels to be within the risk range of 1 in 10,000 (1.0E-04) and 1.0E-06; risks greater than 1.0E-04 are generally considered unacceptable. Cal-EPA has defined a risk of 1 in 100,000 (1.0E-05) as the “no significant level” for carcinogens under California Proposition 65. Further, most California air districts use the 1.0E-05 risk level as the notification trigger level under California’s AB2588 Toxic Hot Spots Program.

Using the maximum detected VOC concentrations (Table 1), the cancer risk estimated for the school receptors are:

Students

- 9E-09 using an AF of 0.001 (Table 10).

- 3E-07 using an AF of 0.03 (Table 11).

School Staff

- 5E-08 using an AF of 0.001 (Table 12).
- 2E-06 using an AF of 0.03 (Table 13).

The cancer risks estimated for students are below the DTSC (2015) benchmark value of 1E-06). The cancer risks estimated for school staff are below the "significant risk level" established by California Proposition 65. All estimated cancer risks are within levels considered acceptable to California health and environmental protection agencies.

11.4 VIRE Conclusions and Recommendations

Environmental investigations conducted at the site by N&M and others revealed that traces of VOCs exist at the site. The potential for VOC vapor intrusion into an onsite building was evaluated in this VIRE. Results of the VIRE indicate that the probability of developing cancer as a result of exposures to indoor air at the site is less than 3E-07 for students and 2E-06 for school staff. These estimated cancer risks are well below the known cancer risk for the United States population and are deemed acceptable by the DTSC. Similarly, the estimated Hazard Quotients are below the hazard quotient of 1.0, which is considered acceptable to the California Environmental Protection Agency. In other words, no significant cancer risks or health hazards are anticipated to occur as a result of exposures to chemicals detected in soil gas under the site.

It should be noted that the VIRE was based on conservative (health-protective) assumptions, estimates, models, and parameters. Therefore, the results are not absolute estimates of health risks at the site but are health-protective estimates.

The conclusions and recommendations presented in this report are professional opinions based solely upon the data described in this report. They are intended exclusively for the purpose outlined herein and the property's location and project indicated. The scope of services performed in execution of this investigation may not be appropriate to satisfy the needs of users other than LAUSD. Any use or reuse of this document or the findings, conclusions, or recommendations presented herein is at the sole risk of said user.

Given that the scope of services for this investigation was limited, and that conditions may vary between the points explored, it is possible that currently unrecognized subsurface contamination might be present at the site. Should site use or conditions change, the information and conclusions in this report may no longer apply. Opinions relating to environmental and public health conditions

are based on limited data and actual conditions may vary from those encountered at the times and locations where data were obtained. No express or implied representation or warranty is included or intended in this report except that the work was performed within the limits prescribed by the Client with the customary thoroughness and competence of professionals working in the same area on similar projects.

12 FINDINGS AND CONCLUSIONS

Based on the results of this evaluation, Ninyo & Moore provides the following findings and conclusions:

12.1 Soil

- The full-scan geophysical survey conducted between the Main Building and West Building revealed the presence of a deep soil disturbance that coincides with the likely location of a heating oil tank. The deep borings advanced to 15 feet bgs in the vicinity of the likely location of the tank did not encounter the tank or any contamination that could have result from a release. It is most likely the disturbed soil identified during the geophysical survey is the former location of the tank.
- DROs were detected in three of the samples analyzed, ranging from 12 to 490 mg/kg. One sample (B45-0.5) collected in the parking lot area in the northwest portion of the site, contained a reported concentration of DRO of 490 mg/kg, which exceeds the SFRWQCB Tier 1 ESL of 260 mg/kg, but does not exceed the LAUSD's Section 01 4524 Import Fill Testing Requirement of 1,000 mg/kg. The MRO concentration in this sample was detected at 1,900 mg/kg, which exceeds the SFRWQCB Tier 1 ESL of 1,600 mg/kg and exceeds the LAUSD Section 01 4524 Important Fill Testing Requirement of 1,000 mg/kg. Elevated TPH concentrations at B45 are likely the result of oil and fuel leaks associated with the use of the parking lot.
- VOCs, PAHs, OCPs, and asbestos were not detected above the laboratory reporting limits in the soil samples collected at the site for this PEA.
- One sample (B19-0.5) had a reported concentration of PCB Aroclor 1254 of 250 µg/kg, which exceeds EPA's RSL of 240 µg/kg. Concentrations of other PCBs were either not detected above the laboratory reporting limits or above associated residential screening levels. Based on the results of a 95% UCL calculation, PCBs are not considered a concern at the site.
- Dioxins and furans concentrations ranged between 0.13 and 2.3 pg/g below the EPA RSLs using EPA-recommended TEFs.
- Arsenic was detected above the DTSC-established background concentration of 12 mg/kg in eighteen (18) soil samples up to a maximum concentration of 720 mg/kg. Elevated arsenic was found primarily in the northern portion of the site. Select samples around the West Building in the northeast portion of the site contained arsenic concentrations above the STLC of 5 mg/l and/or TCLP of 5 mg/l, which should be characterized and disposed as hazardous material.
- Lead was detected above the DTSC SL of 80 mg/kg in six soil samples collected at the site, up to a maximum concentration of 360 mg/kg. The results of a 95% UCL calculation indicate

that lead is not an environmental concern at the site, with the exception of the "hot spot" identified at B34 approximately 2.5 feet bgs which should be characterized and disposed as hazardous material.

- Except for lead and arsenic, constituents listed under SCAQMD Rule 1466 were not reported above the laboratory reporting limit or their respective screening level for residential scenarios.

12.2 Soil Vapor

- PCE was reported in the soil vapor samples collected during this PEA ranging from 16 to 91 µg/m^3 and collected throughout various areas the site. Reported PCE concentrations exceeded the modified DTSC SL of 15.3 µg/m^3 (applying an attenuation factor of 0.03).

- Due to the exceedance of modified DTSC SLs, Ninyo & Moore conducted a VIRE to assess vapor intrusion health risks to site occupants. Results of the VIRE indicate that the probability of developing cancer as a result of exposures to indoor air at the site is less than 3E-07 for students and 2E-06 for school staff. These estimated cancer risks are well below the known cancer risk for the United States population and are deemed acceptable by the DTSC.

- Other VOCs were detected at levels below applicable DTSC screening levels using an attenuation factor of 0.03 or were not detected above laboratory reporting limits.

13 RECOMMENDATIONS

Based on the findings of this investigation, Ninyo & Moore provides the following recommendations:

- A Removal Action Workplan (RAW) be prepared detailing the proper management, characterization, and disposal requirements for subsurface structures and impacted soil in the following areas identified during this PEA:
    - The abandoned fuel line identified leading from East 49th Street to the former suspected heating oil tank located between the West and Main Buildings
    - TPH DRO and MRO-impacted soil around boring B45 in the northern parking area (approximately 4 cubic yards [yd^3])
    - Lead impacted soil in the vicinity of boring B34 (approximately 10 yd^3)
    - Arsenic impacted soil in the northern portion of the site delineated by B20 to the west and B40 to the east-southeast; and arsenic-impacted soil south of the Cafeteria Building (approximately 1,400 yd^3)

- SCAQMD Rule 1466 is not applicable for the remaining areas within the Major Modernization Project limits that are outside the areas subject to the RAW described above.

14 LIMITATIONS

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is

made regarding the professional opinions presented in this report. Variations in Site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities. Please also note that this study did not include an evaluation of geotechnical conditions or potential geologic hazards.

Ninyo & Moore's opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited subsurface assessment and chemical analysis. Further assessment of potential adverse environmental impacts from past on-Site and/or nearby use of hazardous materials may be accomplished by a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the area(s) evaluated; however, conditions can vary significantly between sampling locations. Variations in soil and/or groundwater conditions will exist beyond the points explored in this evaluation.

The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific chemical or physical constituents in samples collected from the subject Site. The testing and analyses have been conducted by an independent laboratory which is certified by the State of California to conduct such tests. Ninyo & Moore has no involvement in, or control over, such testing and analysis. Ninyo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results.

Our conclusions, recommendations, and opinions are based on an analysis of the observed Site conditions. It should be understood that the conditions of a Site could change with time as a result of natural processes or the activities of man at the subject Site or nearby Sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

This report is intended exclusively for use by the client. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than the client is undertaken at said parties' sole risk.

15 REFERENCES

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TABLES

Table 1 – Preliminary Environmental Assessment Sampling Rationale Matrix for Soil and Soil Vapor - First and Second Phase of Work

Area of Concern	# of Borings	Boring ID	Location	Sampling Rationale	Matrix	Sample Depths (ft, bgs)	# of Samples Analyzed	Proposed Chemical Analysis
AOC1	6	B1-B6	West Building	Lead-based paint, use of termiticides and herbicides around building footprint, PCBs in caulking of building materials	Soil	0.5, 2.5	18 (18 on hold) 12 composites	Lead and arsenic by EPA Method 6010B in surface, hold 2.5-foot samples, OCPs* composited and analyzed by EPA Method 8081A, PCBs analyzed in 10% of samples collected by EPA Method 8082. Title 22 Metals by 6010B/7471A, hexavalent chromium by EPA Method 7199, Asbestos by PLM, PAHs by EPA Method 8270-SIM in 50% of samples (for SCAQMD Rule 1466)
	6	B7-B12	Auditorium					
	6	B13-B18	Cafeteria					
	7	B4-5W, -10W, -5N, -10N, -5E, -10E ; B2-10N	West Building	5 to 10-foot lateral step-out borings to asses extent of arsenic impacts >12 mg/kg	Soil	0.5, 2.5, 5	7 (14 on hold)	Arsenic by EPA Method 6010B
	1	B4-V	West Building	Co-located boring to assess vertical extents of arsenic impacts >12 mg/kg	Soil	0.5, 2.5, 5, 7.5	2 (2 on hold)	Arsenic by EPA Method 6010B
	2	B4-W3, W4	West Building	Additional step-out borings to asses extent of arsenic impacts >12 mg/kg	Soil	0.5, 2.5	2 (2 on hold)	Arsenic by EPA Method 6010B
	2	B14-20S, -20E	Cafeteria	20-foot lateral step-out borings to asses extent of arsenic impacts >12 mg/kg	Soil	0.5, 2.5	2 (2 on hold)	Arsenic by EPA Method 6010B
AOC2	12	B19-B30	Paved/Landscaped Areas	Application of arsenic-containing herbicides	Soil	0.5, 2.5, 5	12 (24 on hold)	Lead and arsenic by EPA Method 6010B in subsurface, hold 2.5-foot and 5-foot samples, PCBs analyzed in 10% of samples collected by EPA Method 8082. Title 22 Metals by 6010B/7471A, hexavalent chromium by EPA Method 7199, Asbestos by PLM, PAHs by EPA Method 8270-SIM in 30% of samples (for SCAQMD Rule 1466)
	3	B21-50W, B20-50E, B20-50W	Paved/Landscaped Areas	Step-out borings 50 feet west to asses extent of arsenic impacts >12 mg/kg	Soil	0.5, 2.5	1 (1 on hold)	Arsenic by EPA Method 6010B
	5	S-1 - S-5	Planter Boxes at Northern Perimeter	Application of arsenic-containing herbicides, assess extents of arsenic impacts >12 mg/kg	Soil	0.5	5	Arsenic by EPA Method 6010B
AOC3	1	B31	Electrical Transformer	PCB-containing oil used adjacent to Electrical Transformer	Soil	0.5, 2.5	1 (1 on hold)	PCBs by EPA Method 8082 in subsurface, hold 2.5-foot sample
AOC4	2	B32-B33	Co-located adjacent to Geotechnical Borings	Assess uncertified fill vs. native soil conditions in GPI geotechnical borings B-2 - B-5 representing different time periods of site development	Soil	2.5, 5, 10	4 (2 on hold)	Title 22 Metals by 6010B/7471A, VOCs by EPA Method 8260B, TPH-g/d/o by EPA Method 8015B, OCPs by EPA Method 8081A
	2	B34-B35	Co-located adjacent to Geotechnical Borings	Assess uncertified fill vs. native soil conditions in GPI geotechnical borings B-2 - B-5 representing different time periods of site development	Soil	2.5, 5, 10	4 (2 on hold)	Title 22 Metals by 6010B/7471A, VOCs by EPA Method 8260B, TPH-g/d/o by EPA Method 8015B, OCPs by EPA Method 8081A
		SV5	Probes Installed in B34	Spatial distribution of vapor probes around the site	Soil Vapor	5, 15	2	VOCs by EPA Method 8260B (using a mobile lab)
	6	B34-NE, -NE2, -NW, -NW2, -SW, SW2	Paved Area in Central Portion of Site	Step-out boring to assess extent of lead impacts with STLC>5 mg/l	Soil	0.5, 2.5	6 (6 on hold)	Lead by EPA Method 6010B
AOC5	1	B36	Former Incinerator	Historical use of gas-fired incinerator	Soil	0.5, 2.5, 5, 10	2 (2 on hold)	Title 22 Metals by 6010B/7471A, VOCs by EPA Method 8260B, TPH-g/d/o by EPA Method 8015B, PAHs by EPA Method 8270-SIM, Dioxins & Furans by EPA Method 8290A (surface only), Hexavalent chromium by EPA Method 7199 (surface only). Hold 5 and 10-foot samples
AOC6	1	B37	Former Oil Tank #1	Historical use of oil tank for storing petroleum products and potential spills or leaks	Soil	0.5, 2.5, 5, 10, 15	5	Title 22 Metals by 6010B/7471A, VOCs by EPA Method 8260B (not analyzed at surface), TPH-g/d/o by EPA Method 8015B, PCBs by EPA Method 8082
		SV1			Soil Vapor	5, 15	2	VOCs by EPA Method 8260B (using a mobile lab)
AOC7	2	B38-B39	Former Oil Tank #2 (Potential heating oil tank)	Historical use of 1,000-gallon UST for storing petroleum products and potential spills or leaks	Soil	0.5, 2.5, 5, 10, 15	10	Title 22 Metals by 6010B/7471A, VOCs by EPA Method 8260B (not analyzed at surface), TPH-g/d/o by EPA Method 8015B, PCBs by EPA Method 8082
		SV2-SV3			Soil Vapor	5, 15	4	VOCs by EPA Method 8260B (using a mobile lab)
	3	B40-B42	Associated product pipeline to 1,000-gallon UST	Historical use of 6-inch diameter oil pipeline leading from oil filler box to 1,000-gallon UST	Soil	2.5, 5	3 (3 on hold)	VOCs by EPA Method 8260B, TPH-g/d/o by EPA Method 8015B (2.5-foot sample, hold 5-foot)
	1	B46	Former UST	Assess impacts directly within and underneath former tank pit area where subsurface anomalies were found	Soil	0.5, 2.5, 5, 10	2 (2 on hold)	Title 22 Metals by 6010B/7471A, VOCs by EPA Method 8260B (not analyzed at surface), TPH-g/d/o by EPA Method 8015B
AOC8	1	B43	Former Boiler Room	Historical use of boiler room, heating using oils, gases, and other petroleum products	Soil	0.5, 2.5, 5, 10, 15	5	Title 22 Metals by 6010B/7471A, VOCs by EPA Method 8260B (not analyzed at surface), TPH-g/d/o by EPA Method 8015B, PCBs by EPA Method 8082
		SV4			Soil Vapor	5, 15	2	VOCs by EPA Method 8260B (using a mobile lab)
AOC9	1	B44	Hazardous Materials Storage Container	Use of hazardous materials such as gasoline and motor oils and potential leaks or spills	Soil	0.5, 2.5, 5	2 (1 on hold)	Title 22 Metals by 6010B/7471A, VOCs by EPA Method 8260B, TPH-g/d/o by EPA Method 8015B. Analysis will be conducted based on 2 highest PID readings, and if all zero, then 2 shallowest.

Table 1 – Preliminary Environmental Assessment Sampling Rationale Matrix for Soil and Soil Vapor - First and Second Phase of Work

Area of Concern	# of Borings	Boring ID	Location	Sampling Rationale	Matrix	Sample Depths (ft, bgs)	# of Samples Analyzed	Proposed Chemical Analysis
AOC10	1	B45	Parking Lot	Surface staining from vehicle oil leaks in asphalt-paved parking lot. Spatial distribution of probes	Soil	0.5, 2.5, 5, 10, 15	2 (3 on hold)	Title 22 Metals by 6010B/7471A, VOCs by EPA Method 8260B, TPH-g/d/o by EPA Method 8015B. Analysis will be conducted based on 2 highest PID readings, and if all zero, then 2 shallowest.
		SV6			Soil Vapor	5, 15	2	VOCs by EPA Method 8260B (using a mobile lab)
Total for 1st Phase	36							
Total for 2nd Phase	31							

Notes:

Sampling completed in the first phase of work

Sampling completed in the second phase of work

Sampling completed during additional step-out sampling

* - Samples analyzed for OCPs around building exteriors will be composited in accordance with DTSC Guidance Documents (DTSC, 2006). Discrete analysis will be conducted pending the results of the composite sample.

A,B,C - step-out sampling convention will be in a triangle formation, with the "A" sample 5-feet to the north, "B" 5-feet to the southwest, and "C" 5-feet to the southeast, This is subject to change based on conditions observed in the field.

AOC - Area of Concern

AST - aboveground storage tank

B - soil boring

DTSC - Department of Toxic Substances Control

DTSC, 2006 - Interim Guidance Evaluation of School Sites with Potential Soil Contamination as a Result of Lead from Lead-based Paint, Organochlorine Pesticides from termiticides, and Polychlorinated Biphenyls from Electrical Transformers (Revised June 9, 2006)

DTSC, 2008 - Interim Guidance for Sampling Agricultural Properties (Third Revision)

EPA - United States Environmental Protection Agency

ft, bgs - feet below ground surface

PAHs - polycyclic aromatic hydrocarbons

PCBs - polychlorinated biphenyls

PLM - polarized light microscopy

OCPs - organochlorine pesticides

SCAQMD - South Coast Air Quality Management District

SV - soil vapor

TPH - total petroleum hydrocarbons

TPH-g/d/o - TPH-gasoline/diesel/oil

UST - underground storage tank

VOCs - volatile organic compounds

Table 2 – Soil Sample Analytical Results – Metals

Sample ID	Date Sampled	EPA Method 6010B/7471A (mg/kg)																				
		Antimony	Arsenic (TTLC)	Arsenic (STLC) (mg/l)	Arsenic (TCLP) (mg/l)	Barium	Beryllium	Cadmium	Chromium	Chromium, Hexavalent (µg/kg)	Cobalt	Copper	Lead (TTLC)	Lead (STLC) (mg/l)	Lead (TCLP) (mg/l)	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
B1-0.5	2/18/2023	NA	ND<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B2-0.5	2/18/2023	ND<2.0	ND<2.0	NA	NA	84	ND<0.5	ND<0.5	12	ND<0.4	6.9	9.7	17	NA	NA	0.22	ND<1.0	7.1	ND<4.8	ND<0.5	ND<2.0	28	48
B2-N-0.5	4/3/2023	NA	3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B3-0.5	2/18/2023	ND<2.0	52	2.5	NA	92	ND<0.5	1.6	13	ND<0.4	7.8	12	26	NA	NA	ND<0.10	ND<1.0	7.7	ND<4.8	ND<0.5	ND<2.0	31	66
B3-2.5	2/18/2023	NA	ND<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-0.5	2/18/2023	ND<2.0	700	53	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-2.5	2/18/2023	NA	130	7.0	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-5	4/3/2023	NA	3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-E-0.5	4/3/2023	NA	26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-E-2.5	4/3/2023	NA	3.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-E2-0.5	4/3/2023	NA	46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-W-0.5	4/3/2023	NA	720	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-W-2.5	4/3/2023	NA	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-W2-0.5	4/3/2023	NA	180	11	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-W3-0.5	5/6/2023	NA	53	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-N-0.5	4/3/2023	NA	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B5-0.5	2/18/2023	ND<2.0	ND<2.0	NA	NA	100	ND<0.5	ND<0.5	16	ND<0.4	10	14	6	NA	NA	ND<0.10	ND<1.0	9.6	ND<4.8	ND<0.5	ND<2.0	39	NA
B6-0.5	2/18/2023	NA	ND<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B7-0.5	2/18/2023	NA	ND<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B8-0.5	2/18/2023	ND<2.0	ND<2.0	NA	NA	77	ND<0.5	ND<0.5	11	ND<0.4	7.2	9.4	4.8	NA	NA	ND<0.10	ND<1.0	6.6	ND<4.8	ND<0.5	ND<2.0	27	39
B9-0.5	2/18/2023	ND<2.0	ND<2.0	NA	NA	74	ND<0.5	ND<0.5	9	ND<0.4	6.3	9	9.1	NA	NA	ND<0.10	ND<1.0	5.9	ND<4.8	ND<0.5	ND<2.0	23	39
B10-0.5	2/18/2023	NA	2.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	91	3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
B10-2.5	2/18/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B11-0.5	2/18/2023	ND<2.0	6.8	NA	NA	ND<1.0	ND<0.5	ND<0.5	ND<0.5	NA	ND<0.5	NA	55	1.8	NA	ND<0.10	NA	NA	NA	NA	NA	NA	NA
B11-2.5	2/18/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B12-0.5	2/18/2023	ND<2.0	ND<2.0	NA	NA	70	ND<0.5	ND<0.5	10	ND<0.4	6.7	9.2	18	ND<0.1	NA	ND<0.10	ND<1.0	6.4	ND<4.8	ND<0.5	ND<2.0	26	42
B13-0.5	2/18/2023	ND<2.0	3.2	NA	NA	ND<1.0	ND<0.5	ND<0.5	ND<0.5	NA	ND<0.5	NA	53	1.6	NA	ND<0.10	NA	NA	NA	NA	NA	NA	NA
B13-2.5	2/18/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B14-0.5	2/18/2023	ND<2.0	28	NA	NA	110	ND<0.5	1.2	19	ND<0.4	9.1	18	32	ND<0.1	NA	ND<0.10	ND<1.0	12	ND<4.8	ND<0.5	ND<2.0	36	110
B14-2.5	2/18/2023	NA	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B14-E-0.5	4/3/2023	NA	4.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B14-S-0.5	4/3/2023	NA	7.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B15-0.5	2/18/2023	ND<2.0	5.9	NA	NA	100	ND<0.5	ND<0.5	19	ND<0.4	9.6	16	24	ND<0.1	NA	ND<0.10	ND<1.0	13	ND<4.8	ND<0.5	ND<2.0	39	79
B16-0.5	2/18/2023	NA	7.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	92	1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
B16-2.5	2/18/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B17-0.5	2/18/2023	NA	6.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B18-0.5	2/18/2023	ND<2.0	ND<2.0	NA	NA	110	ND<0.5	ND<0.5	18	ND<0.4	8.3	13	36	ND<0.1	NA	ND<0.10	ND<1.0	9.2	ND<4.8	ND<0.5	ND<2.0	34	90
B19-0.5	2/20/2023	NA	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	63	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
B20-0.5	2/20/2023	ND<2.0	3.2	NA	NA	62	ND<0.5	ND<0.5	13	ND<0.4	7	12	18	NA	NA	ND<0.10	ND<1	11	ND<4.8	ND<0.5	ND<2.0	25	75
B20-W-0.5	4/3/2023	NA	ND<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B20-E-0.5	4/3/2023	NA	3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B21-0.5	2/20/2023	NA	38	NA	NA	NA	NA	NA	NA	NA	NA	NA	42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B21-2.5	2/20/2023	NA	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B21-W-0.5	4/3/2023	NA	7.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-0.5	2/18/2023	ND<2.0	64	2.8	NA	NA	NA	NA	NA	NA	NA	NA	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-2.5	2/18/2023	NA	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B23-0.5	2/20/2023	ND<2.0	ND<2.0	NA	NA	55	ND<0.5	ND<0.5	7.1	ND<0.4	5	11	38	NA	NA	0.24	ND<1.0	5.9	ND<4.8	ND<0.5	ND<2.0	20	54

Table 2 – Soil Sample Analytical Results – Metals

Sample ID	Date Sampled	EPA Method 6010B/7471A (mg/kg)																				
		Antimony	Arsenic (TTLC)	Arsenic (STLC) (mg/l)	Arsenic (TCLP) (mg/l)	Barium	Beryllium	Cadmium	Chromium	Chromium, Hexavalent (µg/kg)	Cobalt	Copper	Lead (TTLC)	Lead (STLC) (mg/l)	Lead (TCLP) (mg/l)	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
B24-0.5	2/20/2023	NA	ND<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	66	2.8	NA	ND<0.10	NA	NA	NA	NA	NA	NA	NA
B25-0.5	2/20/2023	ND<2.0	3.6	NA	NA	86	ND<0.5	ND<0.5	15	ND<0.4	8.1	14	21	NA	NA	0.11	ND<1.0	9.8	ND<4.8	ND<0.5	ND<2.0	32	56
B26-0.5	2/20/2023	ND<2.0	2.8	NA	NA	83	ND<0.5	ND<0.5	15	0.23 J	18	18	34	NA	NA	ND<1.0	ND<1.0	10	ND<4.8	ND<0.5	ND<2.0	30	98
B27-0.5	2/20/2023	NA	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B28-0.5	2/20/2023	NA	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B29-0.5	2/20/2023	NA	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B30-0.5	2/20/2023	NA	ND<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B32-2.5	2/20/2023	ND<2.0	ND<2.0	NA	NA	130	ND<0.5	ND<0.5	19	NA	12	19	6	NA	NA	0.11	ND<1.0	12	ND<4.8	ND<0.5	ND<2.0	44	60
B32-5	2/20/2023	ND<2.0	ND<2.0	NA	NA	130	ND<0.5	ND<0.5	19	NA	13	17	4.6	NA	NA	0.15	ND<1.0	12	ND<4.8	ND<0.5	ND<2.0	49	64
B33-2.5	2/20/2023	ND<2.0	3.9	NA	NA	160	0.58	ND<0.5	24	NA	16	23	6.7	NA	NA	0.11	ND<1.0	17	ND<4.8	ND<0.5	ND<2.0	55	77
B33-5	2/20/2023	ND<2.0	ND<2.0	NA	NA	150	0.57	ND<0.5	22	NA	15	22	5.3	NA	NA	ND<1.0	ND<1.0	15	ND<4.8	ND<0.5	ND<2.0	52	71
B34-2.5[1]	2/20/2023	ND<2.5	ND<2.0	NA	NA	140	ND<0.50	ND<0.50	19	NA	12	18	24	NA	NA	0.12	ND<1.0	12	ND<4.8	ND<0.50	ND<0.20	41	120
B34-2.5	4/5/2023	ND<2.0	2.4	NA	NA	190	ND<0.5	ND<0.5	12	NA	7.3	17	230	11	0.19	0.11	ND<1.0	8.0	ND<4.8	ND<0.5	ND<2.0	27	210
B34-5	4/5/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B34-10	4/5/2023	ND<2.0	ND<2.0	NA	NA	71	ND<0.5	ND<0.5	10	NA	7.7	11	3.3	NA	NA	ND<0.10	ND<1.0	6.9	ND<4.8	ND<0.5	ND<2.0	28	35
B34-NW-2.5	2/20/2023	ND<2.0	ND<2.0	NA	NA	140	ND<0.5	ND<0.5	19	NA	12	18	24	NA	NA	NA	ND<1.0	12	ND<4.8	ND<0.5	ND<2.0	41	120
B34-NE-0.5	5/6/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B34-NE-2.5	5/6/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B34-NE2-2.5	5/6/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	94	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
B34-SW-0.5	5/6/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B34-SW-2.5	5/6/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B35-2.5	4/5/2023	ND<2.0	ND<2.0	NA	NA	85	ND<0.5	ND<0.5	13	NA	8.3	12	3.4	NA	NA	0.11	ND<1.0	8.5	ND<4.8	ND<0.5	ND<2.0	32	45
B35-10	4/5/2023	ND<2.0	ND<2.0	NA	NA	71	ND<0.5	ND<0.5	10	NA	7.0	11	2.4	NA	NA	0.18	ND<1.0	6.4	ND<4.8	ND<0.5	ND<2.0	26	35
B36-0.5	4/5/2023	ND<2.0	2.1	NA	NA	88	ND<0.5	ND<0.5	13	NA	7.6	19	15	NA	NA	0.18	ND<1.0	7.9	ND<4.8	ND<0.5	ND<2.0	31	46
B36-2.5	4/5/2023	ND<2.0	2.2	NA	NA	110	ND<0.5	ND<0.5	15	NA	10	15	5.6	NA	NA	0.20	ND<1.0	11	ND<4.8	ND<0.5	ND<2.0	39	51
B37-0.5	4/5/2023	ND<2.0	2.3	NA	NA	100	ND<0.5	ND<0.5	14	NA	9.4	13	13	NA	NA	0.14	ND<1.0	9.2	ND<4.8	ND<0.5	ND<2.0	36	62
B37-2.5	4/5/2023	ND<2.0	ND<2.0	NA	NA	120	ND<0.5	ND<0.5	18	NA	12	16	4.1	NA	NA	0.13	ND<1.0	12	ND<4.8	ND<0.5	ND<2.0	46	56
B37-5	4/5/2023	ND<2.0	ND<2.0	NA	NA	94	ND<0.5	ND<0.5	14	NA	9.8	13	3.9	NA	NA	0.11	ND<1.0	9.6	ND<4.8	ND<0.5	ND<2.0	37	46
B37-10	4/5/2023	ND<2.0	3.9	NA	NA	150	0.76	ND<0.5	21	NA	14	24	6.3	NA	NA	0.14	ND<1.0	15	ND<4.8	ND<0.5	ND<2.0	53	67
B37-15	4/5/2023	ND<2.0	ND<2.0	NA	NA	80	ND<0.5	ND<0.5	13	NA	8.5	11	2.6	NA	NA	ND<0.10	ND<1.0	8.4	ND<4.8	ND<0.5	ND<2.0	34	41
B38-0.5	4/5/2023	ND<2.0	ND<2.0	NA	NA	110	ND<0.5	ND<0.5	15	NA	10	15	8.4	NA	NA	0.15	ND<1.0	10	ND<4.8	ND<0.5	ND<2.0	39	53
B38-2.5	4/5/2023	ND<2.0	ND<2.0	NA	NA	100	ND<0.5	ND<0.5	15	NA	10	14	6.9	NA	NA	0.18	ND<1.0	9.7	ND<4.8	ND<0.5	ND<2.0	40	51
B38-5	4/5/2023	ND<2.0	2.5	NA	NA	150	0.71	ND<0.5	23	NA	14	25	6.8	NA	NA	0.49	ND<1.0	16	ND<4.8	ND<0.5	ND<2.0	54	67
B38-10	4/5/2023	ND<2.0	2.2	NA	NA	85	ND<0.5	ND<0.5	12	NA	8.1	11	2.6	NA	NA	0.13	ND<1.0	7.5	ND<4.8	ND<0.5	ND<2.0	30	40
B38-15	4/5/2023	ND<2.0	ND<2.0	NA	NA	82	ND<0.5	ND<0.5	14	NA	7.6	13	5.7	NA	NA	0.19	ND<1.0	11	ND<4.8	ND<0.5	ND<2.0	33	42
B39-0.5	4/5/2023	ND<2.0	ND<2.0	NA	NA	100	ND<0.5	ND<0.5	15	NA	9.6	15	16	NA	NA	0.11	ND<1.0	9.9	ND<4.8	ND<0.5	ND<2.0	39	58
B39-2.5	4/5/2023	ND<2.0	ND<2.0	NA	NA	93	ND<0.5	ND<0.5	14	NA	7.8	11	6.9	NA	NA	0.19	ND<1.0	7.9	ND<4.8	ND<0.5	ND<2.0	32	46
B39-5	4/5/2023	ND<2.0	ND<2.0	NA	NA	150	ND<0.5	ND<0.5	16	NA	9.6	14	13	NA	NA	0.17	ND<1.0	10	ND<4.8	ND<0.5	ND<2.0	38	62
B39-10	4/5/2023	ND<2.0	ND<2.0	NA	NA	82	ND<0.5	ND<0.5	9.7	NA	7.3	9.3	2.1	NA	NA	0.18	ND<1.0	6.4	ND<4.8	ND<0.5	ND<2.0	26	40
B39-15	4/5/2023	ND<2.0	ND<2.0	NA	NA	49	ND<0.5	ND<0.5	5.6	NA	4.9	ND<5	1.4	NA	NA	ND<0.10	ND<1.0	4.1	ND<4.8	ND<0.5	ND<2.0	18	260
B40A-0.5	5/6/2023	NA	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B40-2.5	2/18/2023	NA	ND<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B41A-0.5	5/6/2023	NA	89	6.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B41-2.5	2/18/2023	NA	2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B42A-0.5	4/3/2023	NA	63	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B42A-2.5	4/3/2023	NA	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3 – Soil Sample Analytical Results – TPHs, VOCs, PAHs, Asbestos

Sample ID	Date Sample Collected	TPHs EPA Method 8015B (mg/kg)			VOC's EPA 8260B (µg/kg)	PAHs EPA 8270C (µg/kg)	Asbestos PLM (percentage)
		DROs	MROs	GROs			
B2-0.5	2/18/2023	NA	NA	NA	NA	ND	ND
B3-0.5	2/18/2023	NA	NA	NA	NA	ND	ND
B5-0.5	2/18/2023	NA	NA	NA	NA	ND	ND
B8-0.5	2/18/2023	NA	NA	NA	NA	ND	ND
B9-0.5	2/18/2023	NA	NA	NA	NA	ND	ND
B12-0.5	2/18/2023	NA	NA	NA	NA	ND	ND
B14-0.5	2/18/2023	NA	NA	NA	NA	ND	ND
B15-0.5	2/18/2023	NA	NA	NA	NA	ND	ND
B18-0.5	2/18/2023	NA	NA	NA	NA	ND	ND
B20-0.5	2/20/2023	ND<10	ND<50	ND<0.2	NA	ND	ND<0.1%
B20-2.5	2/20/2023	NA	NA	NA	NA	NA	ND<0.1%
B23-0.5	2/20/2023	NA	NA	NA	NA	ND	ND
B25-0.5	2/20/2023	NA	NA	NA	NA	ND	ND
B26-0.5	2/20/2023	NA	NA	NA	NA	ND	ND
B32-2.5	2/20/2023	ND<10	120	ND<0.2	ND	NA	NA
B32-5	2/20/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B33-2.5	2/20/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B33-5	2/20/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B34-2.5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B34-10	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B34-W-2.5	2/20/2023	NA	NA	NA	ND	NA	NA
B35-2.5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B35-10	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B36-0.5	4/5/2023	18	78	ND<0.2	ND	ND	NA
B36-2.5	4/5/2023	ND<10	ND<50	ND<0.2	ND	ND	NA
B37-0.5	4/5/2023	ND<10	ND<50	ND<0.2	NA	NA	NA
B37-2.5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B37-5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B37-10	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B37-15	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B38-0.5	4/5/2023	ND<10	ND<50	ND<0.2	NA	NA	NA
B38-2.5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B38-5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B38-10	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B38-15	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B39-0.5	4/5/2023	ND<10	ND<50	ND<0.2	NA	NA	NA
B39-2.5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B39-5	4/5/2023	12	ND<50	ND<0.2	ND	NA	NA
B39-10	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B39-15	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B40-2.5	2/18/2023	ND<10	140	ND<0.2	ND	NA	NA
B41-2.5	2/18/2023	14	75	ND<0.2	ND	NA	NA
B42-2.5	2/18/2023	ND<10	67	ND<0.2	ND	NA	NA
B43-0.5	4/5/2023	ND<10	ND<50	ND<0.2	NA	NA	NA
B43-2.5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B43-5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B43-10	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA

Table 3 – Soil Sample Analytical Results – TPHs, VOCs, PAHs, Asbestos

Sample ID	Date Sample Collected	TPHs EPA Method 8015B (mg/kg)			VOC's EPA 8260B (µg/kg)	PAHs EPA 8270C (µg/kg)	Asbestos PLM (percentage)
		DROs	MROs	GROs			
B43-15	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B44-0.5	4/3/2023	ND<10	ND<50	0.71	ND	NA	NA
B44-2.5	4/3/2023	ND<10	ND<50	0.58	ND	NA	NA
B45-0.5	4/3/2023	**490**	**1,900**	0.67	ND	NA	NA
B45-2.5	4/3/2023	ND<10	ND<50	NA	NA	NA	NA
B45-15	4/3/2023	ND<10	ND<50	0.67	ND	NA	NA
B46-0.5	4/5/2023	ND<10	ND<50	ND<0.2	NA	NA	NA
B46-2.5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B46-5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B46-10	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
Regulatory Screening Levels (mg/kg)					**(µg/kg)**		**(%)**
EPA RSLs (Residential Soil)		97*	2,400*	82*	Various	Various	NL
San Francisco Bay RWQCB (Tier 1 ESLs)		260*	1,600*	100*	Various	Various	NL

Notes:
* - non-cancer endpoint
bold indicates exceedance of regulatory screening level(s)
DROs - diesel range organics
EPA - United States Environmental Protection Agency
ESLs - San Francisco Bay RWQCB Environmental Tier 1 Screening Levels for Direct Exposure Human Health Risk Levels, Residential: Shallow Soil Exposure (January 2019)
GROs - gasoline range organics
ID - Identification
mg/kg - milligrams per kilogram
MROs - motor oil range organics
NA - not analyzed
ND< - not detected above the laboratory reporting limit
NL - not listed
PAHs - polycyclic aromatic hydrocarbon
PLM - polarized light microscopy
RSLs - United States Environmental Protection Agency Regional Screening Levels (May 2023)
RWQCB - Regional Water Quality Control Board
TPH - total petroleum hydrocarbons
VOCs - volatile organic compounds
µg/kg - micrograms per kilogram

Table 2 – Soil Sample Analytical Results – Metals

Sample ID	Date Sampled	EPA Method 6010B/7471A (mg/kg)																				
		Antimony	Arsenic (TTLC)	Arsenic (STLC) (mg/l)	Arsenic (TCLP) (mg/l)	Barium	Beryllium	Cadmium	Chromium	Chromium, Hexavalent (µg/kg)	Cobalt	Copper	Lead (TTLC)	Lead (STLC) (mg/l)	Lead (TCLP) (mg/l)	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
B44-0.5	4/3/2023	ND<2.0	3.1	NA	NA	130	ND<0.5	ND<0.5	20	NA	12	17	29	NA	NA	ND<0.10	ND<1.0	13	ND<4.8	ND<0.5	ND<2.0	42	100
B44-2.5	4/3/2023	ND<2.0	ND<2.0	NA	NA	130	ND<0.5	ND<0.5	18	NA	12	17	4.4	NA	NA	ND<0.10	ND<1.0	12	ND<4.8	ND<0.5	ND<2.0	42	62
B45-0.5	4/3/2023	ND<2.0	3.3	NA	NA	120	ND<0.5	0.56	13	NA	8.5	36	200	4.7	0.11	0.26	ND<1.0	14	ND<4.8	ND<0.5	ND<2.0	32	250
B45-2.5	4/3/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B45-15	4/3/2023	ND<2.0	ND<2.0	NA	NA	72	ND<0.5	ND<0.5	9	NA	7.6	7.9	2	NA	NA	ND<0.10	ND<1.0	6.3	ND<4.8	ND<0.5	ND<2.0	25	36
B43-0.5	4/5/2023	ND<2.0	ND<2.0	NA	NA	430	ND<0.5	ND<0.5	12	NA	7.7	11	7.1	NA	NA	0.15	ND<1.0	7.6	ND<4.8	ND<0.5	ND<2.0	32	50
B43-2.5	4/5/2023	ND<2.0	ND<2.0	NA	NA	110	ND<0.5	ND<0.5	13	NA	9.0	13	4.7	NA	NA	0.10	ND<1.0	8.7	ND<4.8	ND<0.5	ND<2.0	35	49
B43-5	4/5/2023	ND<2.0	2.5	NA	NA	130	0.59	ND<0.5	20	NA	13	20	4.2	NA	NA	0.19	ND<1.0	13	ND<4.8	ND<0.5	ND<2.0	52	62
B43-10	4/5/2023	ND<2.0	ND<2.0	NA	NA	95	ND<0.5	ND<0.5	12	NA	8.9	13	3.0	NA	NA	0.16	ND<1.0	8.1	ND<4.8	ND<0.5	ND<2.0	31	44
B43-15	4/5/2023	ND<2.0	2.0	NA	NA	110	0.54	ND<0.5	17	NA	12	19	4.2	NA	NA	0.11	ND<1.0	12	ND<4.8	ND<0.5	ND<2.0	45	56
B46-0.5	4/5/2023	ND<2.0	ND<2.0	NA	NA	100	ND<0.5	ND<0.5	15	NA	8.9	14	16	NA	NA	0.45	ND<1.0	9.3	ND<4.8	ND<0.5	ND<2.0	36	71
B46-2.5	4/5/2023	ND<2.0	ND<2.0	NA	NA	95	ND<0.5	ND<0.5	15	NA	9.5	13	8.6	NA	NA	0.14	ND<1.0	9.4	ND<4.8	ND<0.5	ND<2.0	38	52
B46-5	4/5/2023	ND<2.0	ND<2.0	NA	NA	88	ND<0.5	ND<0.5	14	NA	8.8	13	3.9	NA	NA	0.12	ND<1.0	8.6	ND<4.8	ND<0.5	ND<2.0	34	44
B46-10	4/5/2023	ND<2.0	ND<2.0	NA	NA	84	ND<0.5	ND<0.5	12	NA	8.6	12	3.1	NA	NA	ND<0.10	ND<1.0	8.3	ND<4.8	ND<0.5	ND<2.0	32	43
S1	4/3/2023	NA	3.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S2	4/3/2023	NA	31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S3	4/3/2023	NA	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S4	4/3/2023	NA	24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S5	4/3/2023	NA	6.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Regulatory Screening Levels (mg/kg)																							
EPA RSLs (Residential Soil)		31*	0.68	NL	NL	15,000*	160*	7.1*	NL	6.3	23*	3,100*	400	NL	NL	11	390*	1,500*	390*	390*	0.78	390*	23,000*
DTSC HERO HHRA (Residential Soil)		NL	0.11	NL	NL	NL	16*	910	NL	NL	NL	NL	80*	NL	NL	1.0	NL	820*	NL	NL	NL	NL	NL
DTSC Acceptable Clean Up Levels		NL	12	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
Hazardous Waste Criteria																							
TTLC (mg/kg)		500	500	--	--	10,000	75	100	2,500	500	8,000	2,500	1,000	--	--	20	3,500	2,000	100	500	700	2,400	5,000
10 X STLC (mg/kg)		150	50	--	--	1,000	7.5	10	50	50	800	250	50	--	--	2	3,500	200	10	50	70	240	2,500
20 X TCLP (mg/kg)		--	100	--	--	2000	--	20	100	--	--	--	100	--	--	4	--	--	20	100	--	--	--
STLC (mg/l)		15	5	5	--	100	0.75	1	5	5	80	25	5	5	--	0.2	350	20	1	5	7	24	250
TCLP (mg/l)		NL	5	--	5	100	NL	1	5	NL	NL	NL	5	--	5	0.2	NL	NL	1	5	NL	NL	NL

Notes:

-- - not applicable

* - non-cancer endpoint

[1] - Two co-located samples were collected with corresponding ID of B34-2.5 due to refusal encouuntered in the original boring B34 on February 20, 2023. The report text refers to the second B34 sample collected on April 5, 2023.

bold indicates exceedance of regulatory screening level(s)

DTSC HERO HHRA - Department of Toxic Substances Control Human and Ecological Risk Office Human Health Risk Assessment, Note 3, Recommended Screening Levels for Soil (June 2020)

EPA - United States Environmental Protection Agency

ID - Identification

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

mg/kg - milligrams per kilogram

mg/l - milligrams per liter

NA - not analyzed

ND< - not detected above the laboratory reporting limit

NL - not listed

RSLs - United States Environmental Protection Agency Regional Screening Levels (May 2023)

STLC - soluble threshold limit concentration

TCLP - toxicity characteristic leaching procedure

TTLC - total threshold limit concentration

µg/kg - micrograms per kilogram

Table 4 – Soil Analytical Results – OCPs & PCBs

Sample ID	Date Sample Collected	OCPs by EPA Method 8081A (µg/kg)	PCBs by EPA Method 8082 (µg/kg)			
			PCB-1016	PCB-1254	PCB-1260	Other PCBs
B1-0.5	2/18/2023	NA	ND<25	ND<25	ND<25	ND
B7-0.5	2/18/2023	NA	ND<25	ND<25	ND<25	ND
B10-0.5	2/18/2023	NA	ND<25	ND<25	ND<25	ND
B16-0.5	2/18/2023	NA	ND<25	ND<25	ND<25	ND
B19-0.5	2/20/2023	NA	420	250	97	ND
B21-0.5	2/20/2023	NA	ND<100	ND<100	ND<100	ND
B22-0.5	2/18/2023	NA	ND<75	ND<75	ND<75	ND
B23-0.5	2/20/2023	NA	ND<200	ND<200	ND<200	ND
B24-0.5	2/20/2023	NA	ND<200	ND<200	ND<200	ND
B27-0.5	2/20/2023	NA	ND<25	ND<25	ND<25	ND
B28-0.5	2/20/2023	NA	ND<25	ND<25	ND<25	ND
B29-0.5	2/20/2023	NA	ND<200	ND<200	ND<200	ND
B31-0.5	2/20/2023	NA	ND<200	ND<200	ND<200	ND
B32-2.5	2/20/2023	ND	NA	NA	NA	NA
B32-5	2/20/2023	ND	NA	NA	NA	NA
B33-2.5	2/20/2023	ND	NA	NA	NA	NA
B33-5	2/20/2023	ND	NA	NA	NA	NA
B34-2.5	4/5/2023	ND	NA	NA	NA	NA
B34-10	4/5/2023	ND	NA	NA	NA	NA
B34-W-2.5	2/20/2023	ND	NA	NA	NA	NA
B35-2.5	4/5/2023	ND	NA	NA	NA	NA
B35-10	4/5/2023	ND	NA	NA	NA	NA
B37-0.5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B37-2.5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B37-5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B37-10	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B37-15	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B38-0.5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B38-2.5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B38-5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B38-10	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B38-15	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B39-0.5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B39-2.5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B39-5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B39-10	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B39-15	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B43-0.5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B43-2.5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B43-5	4/5/2023	NA	ND<25	ND<25	ND<25	ND

Table 4 – Soil Analytical Results – OCPs & PCBs

Sample ID	Date Sample Collected	OCPs by EPA Method 8081A (µg/kg)	PCBs by EPA Method 8082 (µg/kg)			
			PCB-1016	PCB-1254	PCB-1260	Other PCBs
B43-10	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B43-15	4/5/2023	NA	ND<25	ND<25	ND<25	ND
Composite 1	2/18/2023	ND	NA	NA	NA	NA
Composite 2	2/18/2023	ND	NA	NA	NA	NA
Composite 3	2/18/2023	ND	NA	NA	NA	NA
Composite 4	2/18/2023	ND	NA	NA	NA	NA
Composite 5	2/18/2023	ND	NA	NA	NA	NA
Composite 6	2/18/2023	ND	NA	NA	NA	NA
Composite 7	2/18/2023	ND	NA	NA	NA	NA
Composite 8	2/18/2023	ND	NA	NA	NA	NA
Composite 9	2/18/2023	ND	NA	NA	NA	NA
Composite 10	2/18/2023	ND	NA	NA	NA	NA
Composite 11	2/18/2023	ND	NA	NA	NA	NA
Composite 12	2/18/2023	ND	NA	NA	NA	NA
Regulatory Screening Levels (µg/kg)						
EPA RSLs (Residential Soil)		Various	4,100*	240	240	Various
DTSC HERO HHRA (Residential Soil)		Various	4,000*	NL	NL	Various

Notes:

* non-cancer endpoint

bold indicates result in exceedance of screening level

DTSC HERO HHRA - Department of Toxic Substances Control Human and Ecological Risk Office Human Health Risk Assessment, Note 3, Recommended Screening Levels, June 2020

EPA - United States Environmental Protection Agency

ID - identification

NA - not analyzed

ND< - not detected above the laboratory reporting limit

NL - not listed

OCPs - organochlorine pesticides

PCBs - polychlorinated biphenyls

RSLs - United States Environmental Protection Agency Regional Screening Levels (May 2023)

µg/kg - micrograms per kilogram

Table 5 – Soil Sample Analytical Results – Dioxins and Furans

Sample ID	Date Sampled	EPA Method SW846 8290A (pg/g)					
		1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8-HpCDF	OCDD	OCDF	Other Dioxins & Furans
B36-0.5	4/5/2023	0.13 J,B,q	0.46 J,B	0.29 J,B,q	2.3 J,B	0.47 J,B,q	ND
Regulatory Screening Levels (pg/g)							
EPA RSLs (Residential Soil)		48	480	480	16000	16,000	Various
DTSC HERO HHRA (Residential Soil)		NL	NL	NL	NL	NL	Various

Notes:

B - compound was found in the blank and sample

bold indicates exceedance of regulatory screening level(s)

DTSC HERO HHRA - Department of Toxic Substances Control Human and Ecological Risk Office Human Health Risk Assessment, Note 3, Recommended Screening Levels for Soil (June 2020)

EPA - United States Environmental Protection Agency

ID - Identification

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

pg/g - picograms per gram

ND - not detected above the laboratory reporting limit

NL - not listed

q - the reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

RSLs - United States Environmental Protection Agency Regional Screening Levels (May 2023)

Table 6 – Soil Vapor Sampling Analytical Results – VOCs

Sample ID	Date Sampled	EPA Method 8260B (µg/m^3)							
		1,2,4-Trimethylbenzene	Ethylbenzene	Freon 12	Tetrachloroethene	Toluene	m,p-Xylenes	o-Xylene	Other VOCs
SV-1-5'	4/6/2023	9	13	32	27	46	52	15	ND
SV-1-15'	4/6/2023	22	31	44	20	92	140	41	ND
SV-1-15' REP	4/6/2023	20	32	42	26	82	135	39	ND
SV-2-5'	4/6/2023	ND<8	ND<8	ND<16	28	39	25	8	ND
SV-2-15'	4/6/2023	11	ND<8	18	26	22	26	ND<8	ND
SV-3-5'	4/6/2023	ND<8	10	ND<16	16	59	37	12	ND
SV-3-15'	4/6/2023	ND<8	ND<8	ND<16	26	29	20	ND<8	ND
SV-4-5'	4/6/2023	ND<8	ND<8	ND<16	30	22	ND<16	ND<8	ND
SV-4-15'	4/6/2023	10	14	ND<16	23	57	50	16	ND
SV-5-5'	4/6/2023	14	15	69	38	44	73	22	ND
SV-5-15'	4/6/2023	16	19	82	91	60	71	21	ND
SV-6-5'	4/6/2023	10	12	ND<16	87	51	49	15	ND
SV-6-15'	4/6/2023	10	ND<8	ND<16	64	33	34	11	ND
Regulatory Screening Levels (µg/m^3)									
Modified EPA RSLs (Residential Air) [1]		2,100*	36.7	3,333*	367	173,333*	3,333*	3,333*	Various
Modified DTSC HERO HHRA (Residential Air) [1]		NL	NL	NL	15.3	10,333*	NL	NL	Various

Notes:

* - non-cancer endpoint

bold indicates exceedance of modified EPA RSLs and DTSC HERO HHRA for residential air

DTSC HERO HHRA - Department of Toxic Substances Control Human and Ecological Risk Office Human Health Risk Assessment, Note 3, Recommended Screening Levels for Soil (June 2020-Revised May 2022)

EPA - United States Environmental Protection Agency

ID - Identification

ND< - not detected above the laboratory reporting limit

NL - not listed

[1]Modified EPA RSLs and DTSC HERO HHRA using attenuation factor of 0.03

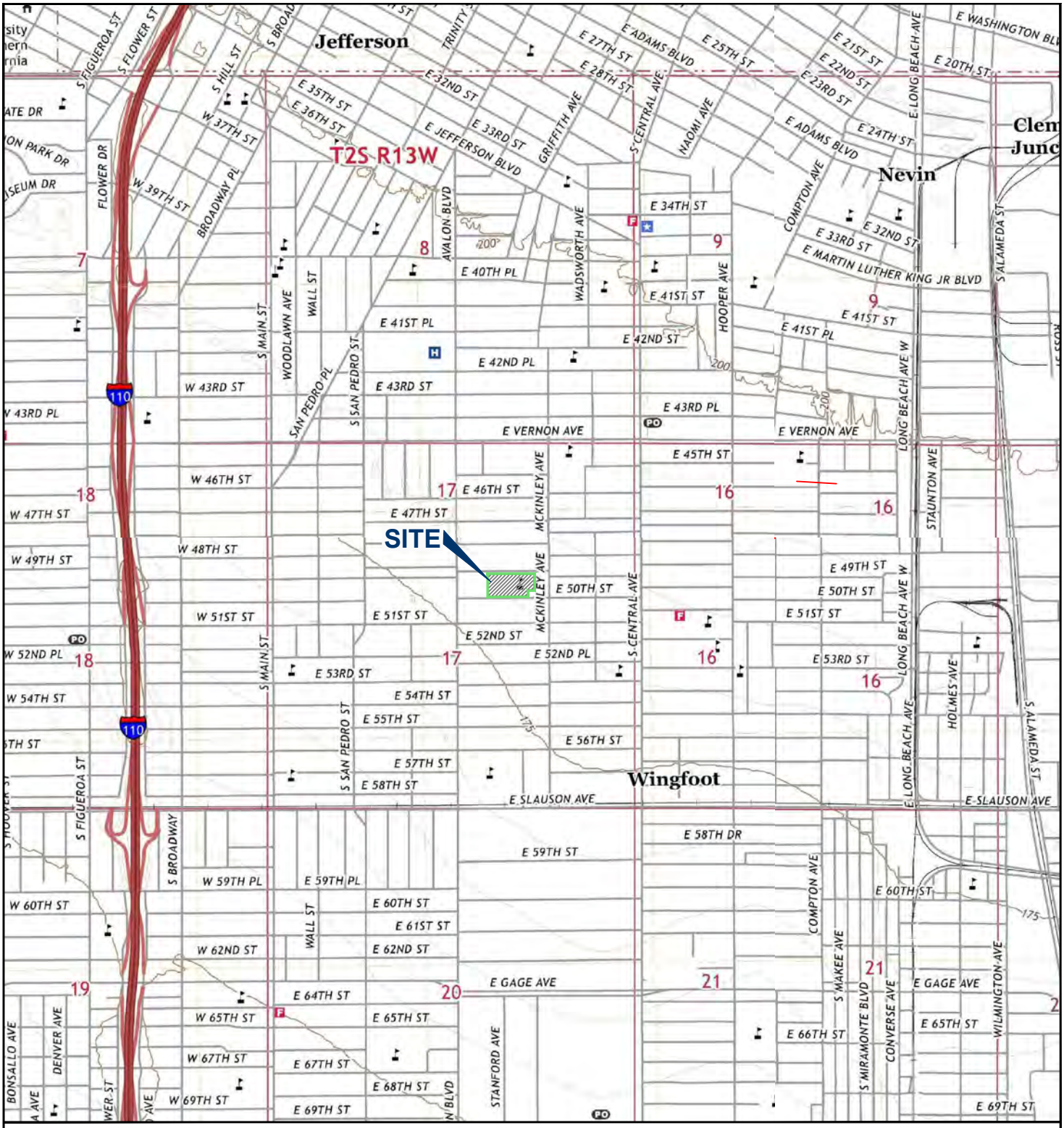
REP - replicate

RSLs - United States Environmental Protection Agency Regional Screening Levels (May 2023)

µg/m^3 - micrograms per cubic meter

VOCs - Volatile Organic Compounds

FIGURES



NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: USGS, 2021.

N

FEET

0 2,000 4,000

211936001.dwg 07/18/2023 (July 2023) GK, JDP

FIGURE 1

SITE LOCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT
49TH STREET ELEMENTARY SCHOOL
750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

211936010 I 7/23

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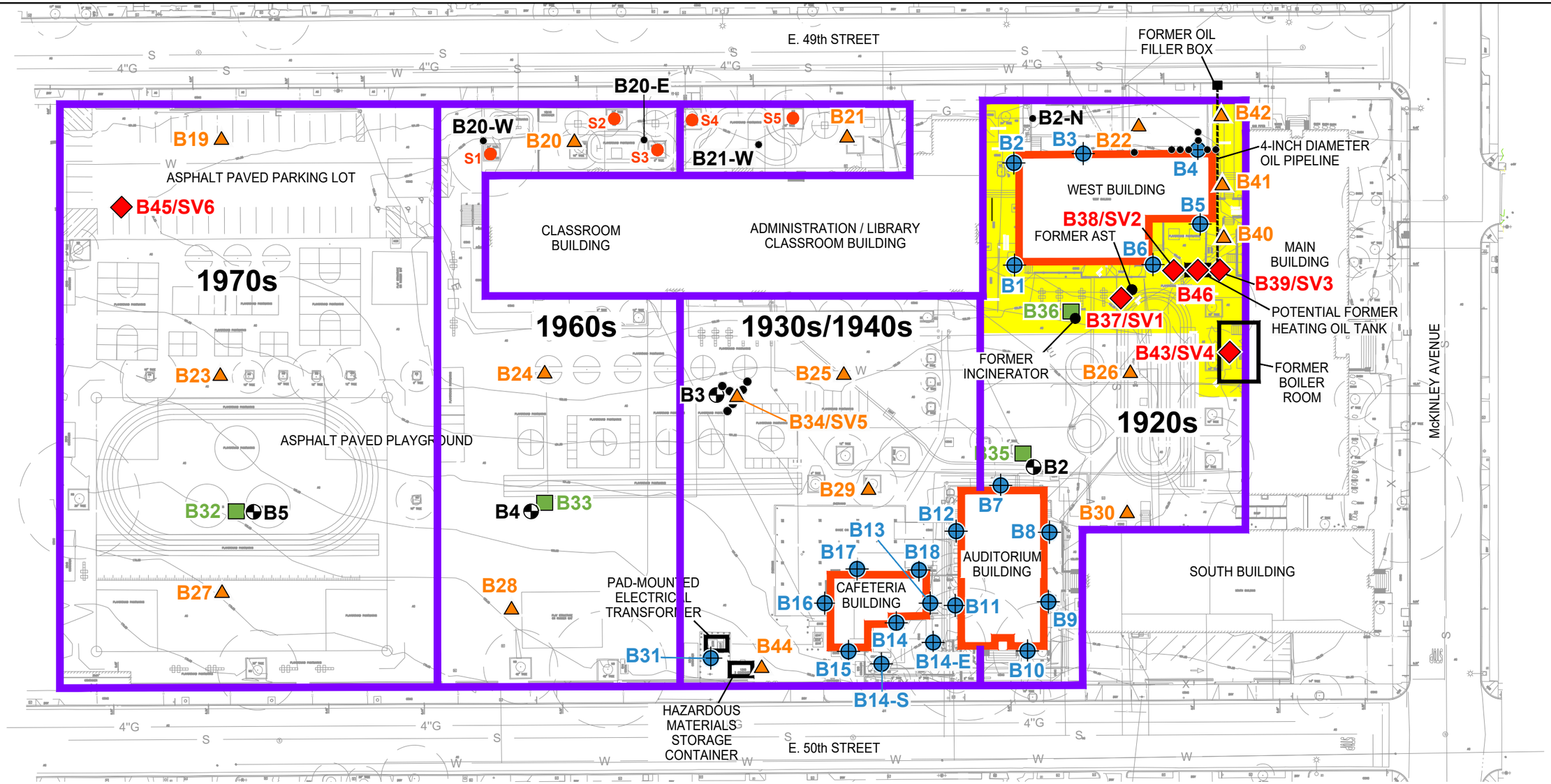
Geotechnical & Environmental Sciences Consultants



LEGEND

- PEA / COMP MOD BOUNDARY
- BUILDINGS TO BE DEMOLISHED
- LIMITS OF A FULL SCAN GEOPHYSICAL SURVEY
- B31 — SOIL BORING TO 2.5 FEET BGS
- B42 — SOIL BORING TO 5 FEET BGS
- B36 — SOIL BORING TO 10 FEET BGS
- B21 — STEP-OUT BORING
- S5 — PLANTER BOX SURFACE SAMPLE
- B46/SV7 — SOIL AND/OR SOIL VAPOR BORING TO 15'
- B5 — GPI 2021 GEOTECHNICAL EXPLORATORY BORING
- BGS = BELOW GROUND SURFACE

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCES:

STANTEC TITLE VICINITY MAP, TOPOGRAPHIC SURVEY, SUBSURFACE UTILITY AND VAULT INVESTIGATION, SHEETS V1-V-10 (6/17/22).
LAUSD VAULT DIAGRAM AND PLOT PLANS (9/1/1934, 10/1/1934, 1/1/1948).
TETRA TECH PHASE I ENVIRONMENTAL SITE ASSESSMENT (3/22/22).

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0 60 120

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FIGURE 2

PEA SAMPLING LOCATIONS

LOS ANGELES UNIFIED SCHOOL DISTRICT
49TH STREET ELEMENTARY SCHOOL
750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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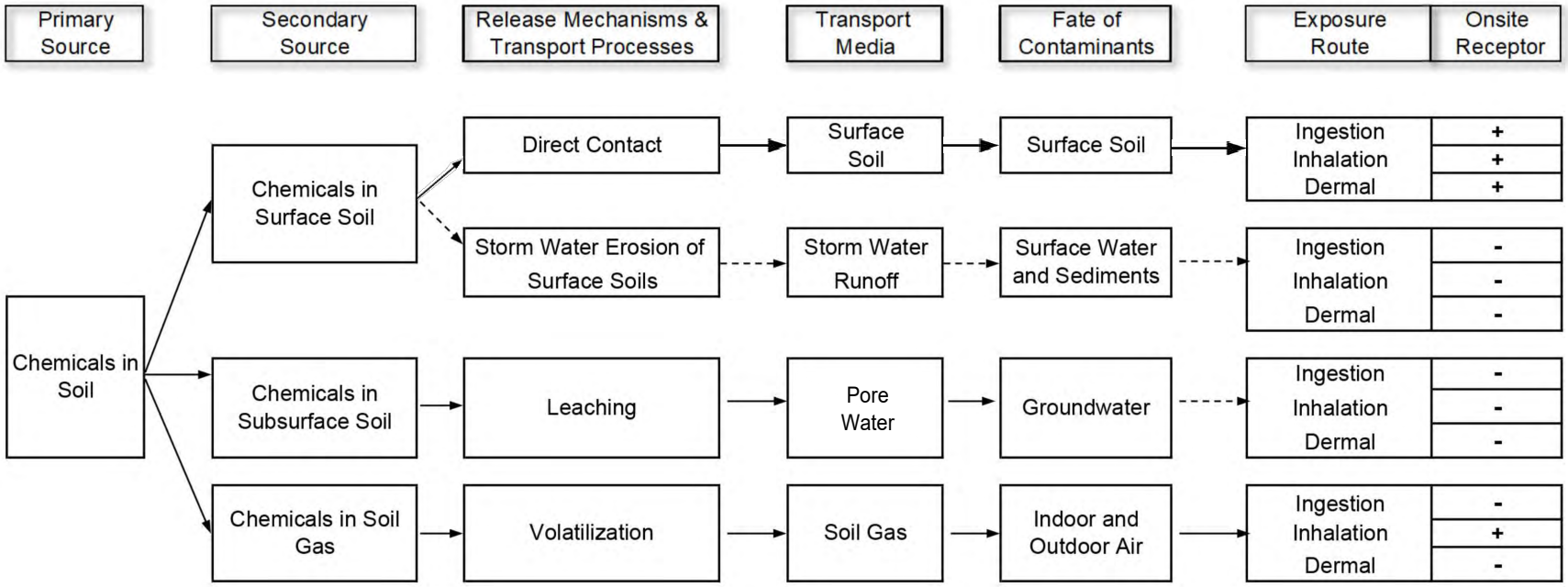

LEGEND

Complete exposure pathway

Incomplete exposure pathway

\+ Complete exposure route

\- Incomplete exposure route

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

211936010.dwg 07/18/2023 (July 2023) JDP

FIGURE 3

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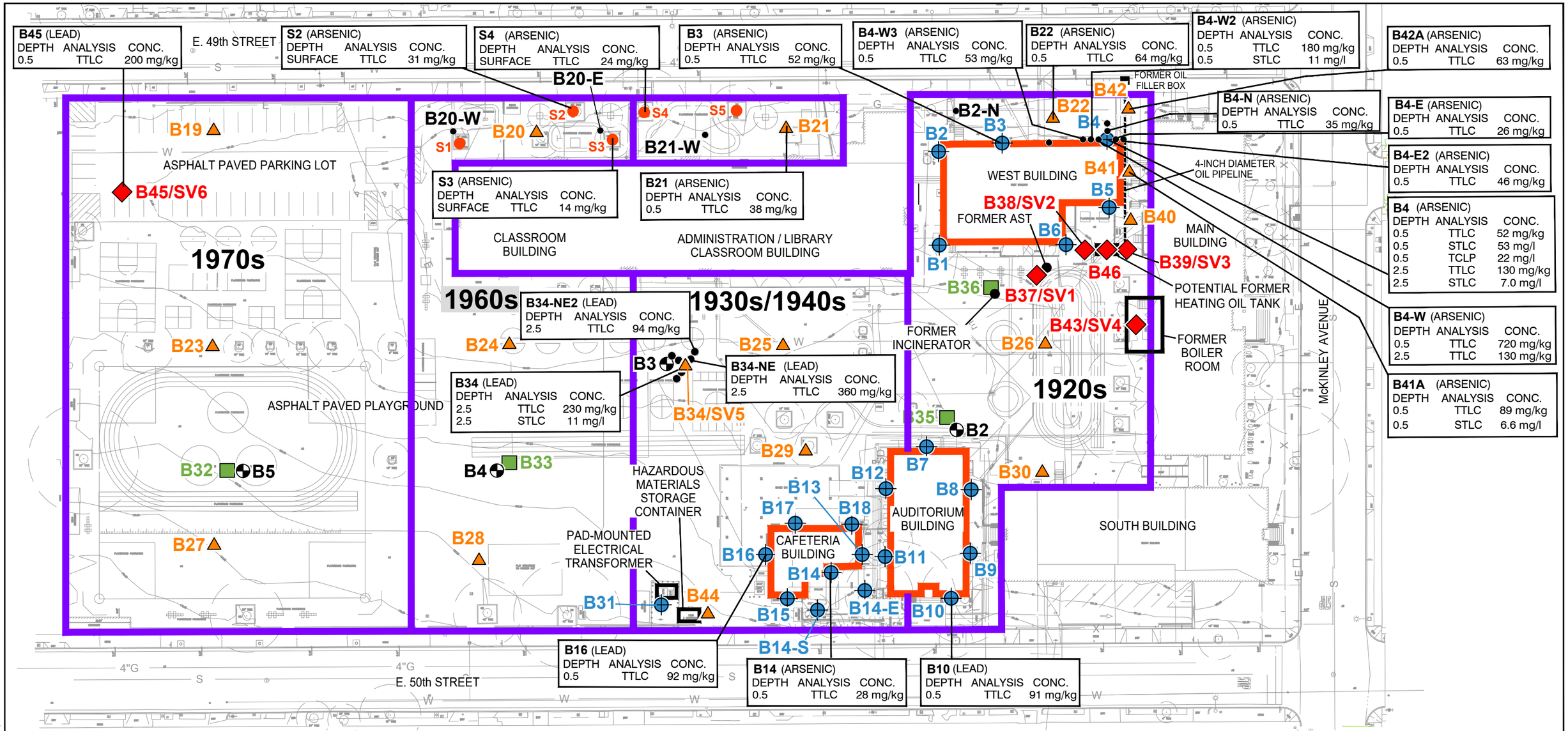
CONCEPTUAL SITE MODEL
LOS ANGELES UNIFIED SCHOOL DISTRICT
49TH STREET ELEMENTARY SCHOOL
750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

211936010 I 7/23



LEGEND

- PEA / COMP MOD BOUNDARY
- BUILDINGS TO BE DEMOLISHED
- B31 — SOIL BORING TO 2.5 FEET BGS
- B42 — SOIL BORING TO 5 FEET BGS
- B36 — SOIL BORING TO 10 FEET BGS
- B21 — STEP-OUT BORING
- S5 — PLANTER BOX SURFACE SAMPLE
- B46/SV7 — SOIL AND/OR SOIL VAPOR BORING TO 15'
- B5 — GPI 2021 GEOTECHNICAL EXPLORATORY BORING

BGS = BELOW GROUND SURFACE
STLC SOLUBLE THRESHOLD LIMIT CONCENTRATION
TCLP TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TTLC TOTAL THRESHOLD LIMIT CONCENTRATION

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCES:
STANTEC TITLE VICINITY MAP, TOPOGRAPHIC SURVEY, SUBSURFACE UTILITY AND VAULT INVESTIGATION, SHEETS V1-V-10 (6/17/22).
LAUSD VAULT DIAGRAM AND PLOT PLANS (9/1/1934, 10/1/1934, 1/1/1948).
TETRA TECH PHASE I ENVIRONMENTAL SITE ASSESSMENT (3/22/22).

N

FEET
0 60 120

211936010.dwg 07/18/2023 (July 2023) GK_JDP

FIGURE 4

ELEVATED ARSENIC AND LEAD CONCENTRATIONS

LOS ANGELES UNIFIED SCHOOL DISTRICT
49TH STREET ELEMENTARY SCHOOL
750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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Geotechnical & Environmental Sciences Consultants

APPENDIX A

Field Notifications

Los Angeles Unified School District
Office of Environmental Health and Safety

ALBERTO M. CARVALHO
Superintendent

CARLOS A. TORRES
Director, Environmental Health and Safety

JENNIFER FLORES
Deputy Director, Environmental Health and Safety

February 1, 2023

TO: Neighbors and Community Members of the
49th Street Elementary School

FROM: Los Angeles Unified School District
Office of Environmental Health and Safety

REGARDING: Preliminary Environmental Assessment
49th Street Elementary School, Los Angeles, California

The Los Angeles Unified School District (LAUSD) - Office of Environmental Health and Safety (OEHS) would like to provide you with advance notice for a Preliminary Environmental Assessment (PEA) that will be conducted within the boundaries of the 49th Street Elementary School, located at 750 East 49th Street, Los Angeles, California 90011. This PEA is one of the first steps for the overall comprehensive modernization project planned for the elementary school.

A licensed contractor, working on behalf of LAUSD, will perform the PEA field activities under the oversight of the LAUSD-OEHS. The PEA will consist of a subsurface investigation around the footprints of existing buildings that will be removed, where historical structures were present, or where other recognized environmental concerns were identified. Soil and soil vapor samples collected will be analyzed for various chemicals of concern. If necessary, soil cleanup will be performed prior to construction activities to protect students, faculty, and staff.

Fieldwork will be conducted intermittently and is anticipated to be completed over multiple days between February and December, 2023. Intrusive fieldwork, such as coring of the concrete or asphalt pavement and soil sampling will only be conducted on school holidays or weekends. Fieldwork will be conducted at the Site between the hours of 7AM and 5 PM.

The results of the PEA investigation will be submitted to LAUSD-OEHS in a report for review. The report will include an assessment of whether any of the above listed compounds are present in soil and/or soil vapor at concentrations that would require further delineation, or if a response action will be necessary before the Site is cleared for construction activities. When the OEHS's review is complete, OEHS will issue an official determination with regard to the assessment.

If you have any questions concerning the upcoming environmental investigation or other related activities for the proposed project, please contact Filmon Tesfaslasie, LAUSD-OEHS, Site Assessment Project Manager at (213) 241-4674 (email at cp-f.tesfaslasie@lausd.net).

Los Angeles Unified School District
Office of Environmental Health and Safety

ALBERTO M. CARVALHO
Superintendent

CARLOS A. TORRES
Director, Environmental Health and Safety

JENNIFER FLORES
Deputy Director, Environmental Health and Safety

1 de Febrero de 2023

PARA: Vecinos y Miembros de la Comunidad de la Escuela Primaria de la Calle 49

DE: Los Angeles Unified School District
Office of Environmental Health and Safety

EN LO QUE RESPECTA: Evaluación Ambiental Preliminar
49th Street Elementary School, Los Angeles, California

El Los Angeles Unified School District (LAUSD) – Office of Environmental Health and Safety (OEHS) le gustaría avisarle con antelación de una Evaluación Ambiental Preliminar (EAP) que se llevará acabo dentro de los límites del 49th Street Elementary School, ubicado en 750 East 49th Street, Los Angeles, California 90011 (en lo sucesivo se denominará como "el Sitio"). Esta EAP es uno de los primeros pasos para el Proyecto general de modernización integral planeado para la escuela primaria.

Un contratista con licencia, trabajando en nombre del LAUSD llevará a cabo las actividades de campo de la EAP bajo la supervisión del LAUSD-OEHS. La EAP consistirá en una investigación del subsuelo alrededor de las huellas del los edificios existentes que se eliminarán, donde estuvieran presentes estructuras históricas o donde se identificaron otras preocupaciones ambientales reconocidas. Muestras de suelo y vapor de suelo se analizarán por varios químicos en cuestión. Si es necesario, la limpieza del suelo se realizará antes de las actividades de construccion para proteger a los estudiantes, el profesorado, y el personal.

El trabajo de campo se llevará a cabo de forma intermitente y se prevé que se complete durante varios dias entre Febrero y Diciembre del 2023. El trabajo de campo intrusive, por ejemplo la perforacion de pavimento de hormigón o asfalto y el muestreo del suelo, solo se llevarán a cabo en vacaciones escolares o fines de semana. El trabajo de campo se llevará a cabo en el Sitio entre las 7 A.M. y las 5 P.M.

Los resultados de la investigación del EAP se presentará a LAUSD-OEHS en un informe para su revisión. El informe incluirá una evaluación de si alguno de los compuestos enumerados anteriormente está presente en el suelo y/o en el vapor del suelo a concentraciones que requerirán una mayor delineación, o si será necesaria una acción de respuesta antes de que el Sitio sea autorizado para actividades de construcción. Cuando se complete la revision de la OEHS, la OEHS emitirá una determinación official con respecto a la evaluación.

Si tiene alguna pregunta sobre la próxima investigación ambiental o otras actividades relacionadas con el proyecto propuesto, póngase en contacto con Filmon Tesfaslasie, LAUSD-OEHS, Gerente de Proyecto de Evaluación del Sitio al (213) 241-4674 (correo electrónico: cp-f.tesfaslasie@lausd.net).

APPENDIX B

Photographs



Photograph 1: **View of site, looking west from eastern portion of the site.**



Photograph 2: **View of parking lot, in the northwestern portion of the site.**

FIGURE B-1

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PHOTOGRAPHS
750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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Photograph 3: **View of boring location B22, in the northeastern portion of the site.**



Photograph 4: **View of backfilled and patched original and co-located boring for B40.**



Photograph 5: **View of a typical backfilled and patched borings on-site.**



Photograph 6: **View of backfilled and patched step-out locations for the original boring B34.**

FIGURE B-3

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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Photograph 7: View of soil screening activities at boring B23



Photograph 8: View of soil vapor purging and sampling activities at boring B38/SV2



Photograph 9: **View of 5 and 15 feet soil vapor probes at boring location B34/SV5, prior to patching.**



Photograph 10: **View of drums of soil cuttings and decontamination water located along the southern site boundary.**

FIGURE B-5

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PHOTOGRAPHS
750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA
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Photograph 11: **View of West Building, looking northeast from the Auditorium Building.**



Photograph 12: **Looking east with view of planter boxes at the north-central portion of the site.**

FIGURE B-6

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PHOTOGRAPHS
750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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APPENDIX C

Boring Logs

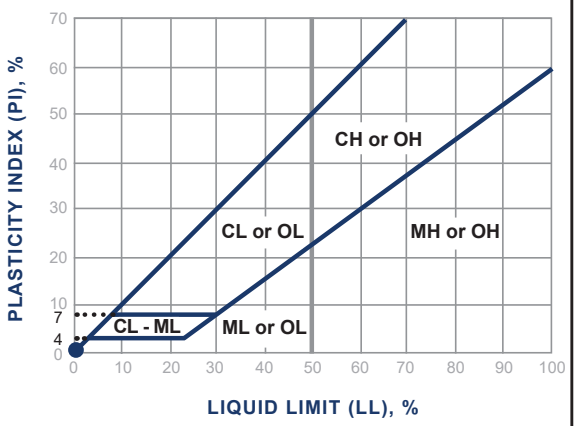
Soil Classification Chart Per ASTM D 2488

Primary Divisions			Secondary Divisions	
			Group Symbol	Group Name
COARSE-GRAINED SOILS more than 50% retained on No. 200 sieve	**GRAVEL** more than 50% of coarse fraction retained on No. 4 sieve	CLEAN GRAVEL less than 5% fines	GW	well-graded GRAVEL
			GP	poorly graded GRAVEL
		GRAVEL with DUAL CLASSIFICATIONS 5% to 12% fines	GW-GM	well-graded GRAVEL with silt
			GP-GM	poorly graded GRAVEL with silt
			GW-GC	well-graded GRAVEL with clay
			GP-GC	poorly graded GRAVEL with clay
		GRAVEL with FINES more than 12% fines	GM	silty GRAVEL
			GC	clayey GRAVEL
			GC-GM	silty, clayey GRAVEL
	SAND 50% or more of coarse fraction passes No. 4 sieve	CLEAN SAND less than 5% fines	SW	well-graded SAND
			SP	poorly graded SAND
		SAND with DUAL CLASSIFICATIONS 5% to 12% fines	SW-SM	well-graded SAND with silt
			SP-SM	poorly graded SAND with silt
			SW-SC	well-graded SAND with clay
			SP-SC	poorly graded SAND with clay
		SAND with FINES more than 12% fines	SM	silty SAND
			SC	clayey SAND
			SC-SM	silty, clayey SAND
FINE-GRAINED SOILS 50% or more passes No. 200 sieve	**SILT and CLAY** liquid limit less than 50%	INORGANIC	CL	lean CLAY
			ML	SILT
			CL-ML	silty CLAY
		ORGANIC	OL (PI > 4)	organic CLAY
			OL (PI < 4)	organic SILT
	SILT and CLAY liquid limit 50% or more	INORGANIC	CH	fat CLAY
			MH	elastic SILT
		ORGANIC	OH (plots on or above "A"-line)	organic CLAY
			OH (plots below "A"-line)	organic SILT
	Highly Organic Soils		PT	Peat

Grain Size

Description		Sieve Size	Grain Size	Approximate Size
Boulders		> 12"	> 12"	Larger than basketball-sized
Cobbles		3 - 12"	3 - 12"	Fist-sized to basketball-sized
Gravel	Coarse	3/4 - 3"	3/4 - 3"	Thumb-sized to fist-sized
	Fine	#4 - 3/4"	0.19 - 0.75"	Pea-sized to thumb-sized
Sand	Coarse	#10 - #4	0.079 - 0.19"	Rock-salt-sized to pea-sized
	Medium	#40 - #10	0.017 - 0.079"	Sugar-sized to rock-salt-sized
	Fine	#200 - #40	0.0029 - 0.017"	Flour-sized to sugar-sized
Fines		Passing #200	< 0.0029"	Flour-sized and smaller

Plasticity Chart



Apparent Density - Coarse-Grained Soil

Apparent Density	Spooling Cable or Cathead		Automatic Trip Hammer	
	SPT (blows/foot)	Modified Split Barrel (blows/foot)	SPT (blows/foot)	Modified Split Barrel (blows/foot)
Very Loose	≤ 4	≤ 8	≤ 3	≤ 5
Loose	5 - 10	9 - 21	4 - 7	6 - 14
Medium Dense	11 - 30	22 - 63	8 - 20	15 - 42
Dense	31 - 50	64 - 105	21 - 33	43 - 70
Very Dense	> 50	> 105	> 33	> 70

Consistency - Fine-Grained Soil

Consis-tency	Spooling Cable or Cathead		Automatic Trip Hammer	
	SPT (blows/foot)	Modified Split Barrel (blows/foot)	SPT (blows/foot)	Modified Split Barrel (blows/foot)
Very Soft	< 2	< 3	< 1	< 2
Soft	2 - 4	3 - 5	1 - 3	2 - 3
Firm	5 - 8	6 - 10	4 - 5	4 - 6
Stiff	9 - 15	11 - 20	6 - 10	7 - 13
Very Stiff	16 - 30	21 - 39	11 - 20	14 - 26
Hard	> 30	> 39	> 20	> 26

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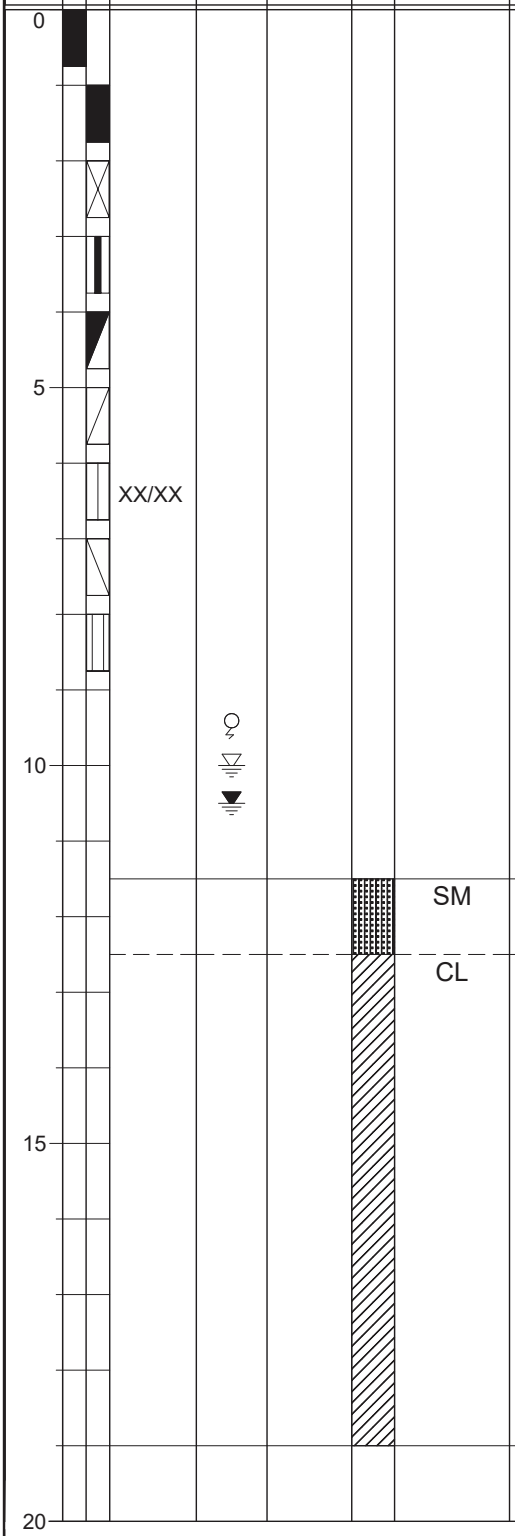
USCS METHOD OF SOIL CLASSIFICATION

BORING LOG EXPLANATION SHEET



Bulk sample.

Modified split-barrel drive sampler.

No recovery with modified split-barrel drive sampler.

Sample retained by others.

Standard Penetration Test (SPT).

No recovery with a SPT.

Shelby tube sample. Distance pushed in inches/length of sample recovered in inches.

No recovery with Shelby tube sampler.

Continuous Push Sample.

Seepage.

Groundwater encountered during drilling.

Groundwater measured after drilling.

MAJOR MATERIAL TYPE (SOIL):

Solid line denotes unit change.

Dashed line denotes material change.

Attitudes: Strike/Dip
b: Bedding
c: Contact
j: Joint
f: Fracture
F: Fault
cs: Clay Seam
s: Shear
bss: Basal Slide Surface
sf: Shear Fracture
sz: Shear Zone
sbs: Shear Bedding Surface

The total depth line is a solid line that is drawn at the bottom of the boring.

DATE DRILLED 2/18/23 BORING NO. B1

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		09:02	B1-0.5			▒	SM	ASPHALT CONCRETE: Approximately 4 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		09:04	B1-2.5			▒		
5									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

FIGURE C- 1

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

211936010 | 7/23

DATE DRILLED 2/18/23 BORING NO. B2

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		08:50	B2-0.5			■		ASPHALT CONCRETE: Approximately 4 inches thick.
								SM	FILL: Dark brown, dry, loose, silty SAND; fine-grained sand.
	■		08:54	B2-2.5					
									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with concrete and bentonite to ground surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
5									
10									
15									
20									

DATE DRILLED 4/3/23 BORING NO. B2-N

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		13:07	B2-N-0.5				SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		13:10	B2-N-2.5					
	■		13:13	B2-N-5				SP-SM	Light brown, dry, loose, poorly graded SAND with silt; fine-grained sand.
5									Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 4/3/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

FIGURE C- 3

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

211936010 | 7/23

DATE DRILLED 2/18/23 BORING NO. B3

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		09:23	B3-0.5				SM	FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		09:25	B3-2.5					
									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
5									
10									
15									
20									

FIGURE C- 4

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

211936010 | 7/23

DATE DRILLED 2/18/23 BORING NO. B4

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		09:31	B4-0.5				SM	ASPHALT CONCRETE: Approximately 2 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained.
	■		09:32	B4-2.5					
									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 5

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

211936010 | 7/23

DATE DRILLED 4/3/23 BORING NO. B4

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
5		■	12:35	B4-5					
		■	12:39	B4-7.5					
10									Total Depth = 7.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 4/3/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 6

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA
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DATE DRILLED 4/3/23 BORING NO. B4-E2

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		10:55	B4-E2-0.5			▒	SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		10:57	B4-E2-2.5			▒		
5	■		10:59	B4-E2-5			▒		Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 4/3/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 7

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LOS ANGELES, CALIFORNIA

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DATE DRILLED 4/3/23 BORING NO. B4-N

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		11:32	B4-N-0.5			■	SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		11:34	B4-N-2.5					
5	■		11:36	B4-N-5					Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 4/3/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 8

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LOS ANGELES, CALIFORNIA

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DATE DRILLED 4/3/23 BORING NO. B4-N2

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		12:05	B4-N2-0.5			■	SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		12:07	B4-N2-2.5					
5	■		12:09	B4-N2-5					Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 4/3/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 9

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LOS ANGELES, CALIFORNIA

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DATE DRILLED 4/3/23 BORING NO. B4-W

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		11:12	B4-W-0.5			■		ASPHALT CONCRETE:
								SM	Approximately 4 inches thick.
									FILL:
									Brown, dry, loose, silty SAND; fine-grained sand.
	■		11:14	B4-W-2.5					
	■		11:16	B4-W-5					
5									Total Depth = 5 feet bgs.
									Groundwater was not encountered during drilling.
									Backfilled with bentonite and concrete to ground surface on 4/3/23.
									Notes:
									Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.
									The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 10

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LOS ANGELES, CALIFORNIA

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DATE DRILLED 4/3/23 BORING NO. B4-W2

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		11:26	B4-W2-0.5			■	SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		11:28	B4-W2-2.5					
5	■		11:30	B4-W2-5					Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 4/3/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 11

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LOS ANGELES, CALIFORNIA

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DATE DRILLED 5/6/23 BORING NO. B4-W3

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3.25" Hand Auger

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		08:13	B4-W3-0.5				SM	FILL: Reddish gray, dry, medium dense, silty SAND; fine-grained sands.
	■		08:15	B4-W3-2.5					
									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete with black dye to ground surface on 5/6/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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DATE DRILLED 5/6/23 BORING NO. B4-W4

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3.25" Hand Auger

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		08:03	B4-W4-0.5				SM	FILL: Reddish gray, dry, medium dense, silty SAND; fine-grained sands.
	■		08:06	B4-W4-2.5					
									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete with black dye to ground surface on 5/6/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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DATE DRILLED 4/3/23 BORING NO. B4A

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		12:18	B4A-0.5			■	SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		12:20	B4A-2.5					
5	■		12:22	B4A-5					Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 4/3/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 14

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LOS ANGELES, CALIFORNIA

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DATE DRILLED 2/18/23 BORING NO. B5

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		11:02	B5-0.5			▒	SM	ASPHALT CONCRETE: Approximately 2 inches thick. FILL: Light brown, dry, loose, silty SAND; fine-grained sand.
	■		11:04	B5-2.5			▒		
5									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 15

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LOS ANGELES, CALIFORNIA

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DATE DRILLED 2/18/23 BORING NO. B6

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		11:11	B6-0.5				SM	ASPHALT CONCRETE: Approximately 2 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		11:12	B6-2.5					
5									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 16

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LOS ANGELES, CALIFORNIA

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DATE DRILLED 2/18/23 BORING NO. B7

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		12:54	B7-0.5				SM	ASPHALT CONCRETE: Approximately 2 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		12:55	B7-2.5					
5									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 17

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LOS ANGELES, CALIFORNIA

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DATE DRILLED 2/18/23 BORING NO. B8

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		12:48	B8-0.5				SM	ASPHALT CONCRETE: Approximately 2 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		12:50	B8-2.5					
5									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 18

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LOS ANGELES, CALIFORNIA

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DATE DRILLED 2/18/23 BORING NO. B9

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		13:20	B9-0.5				SM	ASPHALT CONCRETE: Approximately 2 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		13:22	B9-2.5					
5									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 19

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DATE DRILLED 2/18/23 BORING NO. B10

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		14:20	B10-0.5				SM	ASPHALT CONCRETE: Approximately 2 inches thick. FILL: Dark brown, dry, loose, silty SAND; fine-grained sand.
	■		14:22	B10-2.5					
									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite to ground surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 20

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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DATE DRILLED 2/18/23 BORING NO. B11

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		13:07	B11-0.5				SM	ASPHALT CONCRETE: Approximately 2 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		13:09	B11-2.5					
5									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite to ground surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 21

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LOS ANGELES, CALIFORNIA

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DATE DRILLED 2/18/23 BORING NO. B12

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		13:02	B12-0.5				SM	ASPHALT CONCRETE: Approximately 2 inches thick. FILL: Light brown, dry, loose, silty SAND; fine-grained sand.
	■		13:04	B12-2.5					
5									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 22

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LOS ANGELES, CALIFORNIA

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DATE DRILLED 2/18/23 BORING NO. B13

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		13:36	B13-0.5				SM	ASPHALT CONCRETE: Approximately 2 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		13:38	B13-2.5					
									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite to ground surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 23

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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DATE DRILLED 2/18/23 BORING NO. B14

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		13:40	B14-0.5				SM	ASPHALT CONCRETE: Approximately 2 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		13:42	B14-2.5					
5									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite to ground surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 24

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

211936010 | 7/23

DATE DRILLED 4/3/23 BORING NO. B14-E

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		14:40	B14-E-0.5				SM	FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		14:41	B14-E-2.5					
									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and cement to ground surface on 4/3/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 25

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

211936010 | 7/23

DATE DRILLED 4/3/23 BORING NO. B14-S

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		14:45	B14-S-0.5				SM	FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		14:47	B14-S-2.5					
									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and cement to ground surface on 4/3/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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DATE DRILLED 2/18/23 BORING NO. B15

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		13:57	B15-0.5			▒	SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Light brown, dry, loose, silty SAND; fine-grained sand.
	■		13:59	B15-2.5			▒		
5									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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DATE DRILLED 2/18/23 BORING NO. B16

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		14:09	B16-0.5				SM	ASPHALT CONCRETE: Approximately 2 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		14:10	B16-2.5					
5									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 28

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LOS ANGELES, CALIFORNIA

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DATE DRILLED 2/18/23 BORING NO. B17

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		13:51	B17-0.5			▒	SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		13:53	B17-2.5			▒		
5									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 29

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LOS ANGELES, CALIFORNIA

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DATE DRILLED 2/18/23 BORING NO. B18

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		14:12	B18-0.5				SM	ASPHALT CONCRETE: Approximately 2 inches thick. FILL: Brown, dry, loose, silty SAND; fine to medium sand.
	■		14:14	B18-2.5					
5									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 30

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LOS ANGELES, CALIFORNIA

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DATE DRILLED 2/20/23 BORING NO. B19

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		08:20	B19-0.5			▒		ASPHALT CONCRETE:
							▒	SM	Approximately 4 inches thick.
							▒		FILL:
							▒		Dark brown, dry, loose, silty SAND; fine-grained sand.
	■		08:25	B19-2.5			▒		
							▒		
							▒	SP	Light brown, dry, loose, poorly graded SAND; fine-grained sand.
							▒		
5	■		08:29	B19-5			▒		
									Total Depth = 5 feet bgs.
									Groundwater was not encountered during drilling.
									Backfilled with bentonite and concrete to ground surface on 2/20/23.
									Notes:
									Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.
									The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 31

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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DATE DRILLED 2/20/23 BORING NO. B20

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		07:50	B20-0.5				SM	FILL: Light brown, dry, loose, silty SAND; fine-grained sand.
	■		07:52	B20-2.5					Dark brown.
5	■		07:58	B20-5					Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite to ground surface on 2/20/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 32

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DATE DRILLED 4/3/23 BORING NO. B20-E

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		09:57	B20-E-0.5			▒	SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, very loose, silty SAND; fine-grained sand.
	■		10:03	B20-E-2.5			▒		
									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 4/3/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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DATE DRILLED 4/3/23 BORING NO. B20-W

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		09:39	B20-W-0.5			▒	SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, very loose, silty SAND; fine-grained sand.
	■		09:41	B20-W-2.5			▒		
									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 4/3/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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DATE DRILLED 2/20/23 BORING NO. B21

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		08:03	B21-0.5				SM	FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		08:05	B21-2.5					
5	■		08:08	B21-5					Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite to ground surface on 2/20/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
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DATE DRILLED 4/3/23 BORING NO. B21-W

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		10:19	B21-W-0.5			▒	SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, very loose, silty SAND; fine-grained sand.
	■		10:25	B21-W-2.5			▒		
									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 4/3/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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DATE DRILLED 2/18/23 BORING NO. B22

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		08:38	B22-0.5				SM	ASPHALT CONCRETE: Approximately 2 inches thick. FILL: Brown, dry, loose, silty SAND; fine to medium-grained sand.
	■		08:40	B22-2.5					
5	■		08:42	B22-5					Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 37

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DATE DRILLED 2/20/23 BORING NO. B23

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		08:42	B23-0.5			▒	SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Dark brown, dry, loose, silty SAND; fine-grained sand.
	■		08:44	B23-2.5			▒		
5	■		08:47	B23-5			▒		Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/20/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 38

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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DATE DRILLED 2/20/23 BORING NO. B24

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		09:00	B24-0.5			▒	SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		09:05	B24-2.5			▒		
5	■		09:10	B24-5			▒		Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/20/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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15									
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FIGURE C- 39

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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DATE DRILLED 2/20/23 BORING NO. B25

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		09:38	B25-0.5				SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		09:40	B25-2.5					
5	■		09:47	B25-5				SP	NATIVE: Light brown, dry, loose, poorly graded SAND; fine-grained sand.
									Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/20/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 40

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DATE DRILLED 2/20/23 BORING NO. B26

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		10:05	B26-0.5			▒	SM	ASPHALT CONCRETE: Approximately 4 inches thick. FILL: Dark brown, dry, loose, silty SAND; fine-grained sand.
	■		10:09	B26-2.5			▒		
5	■		10:12	B26-5			▒		Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/20/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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FIGURE C- 41

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LOS ANGELES, CALIFORNIA

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DATE DRILLED 2/20/23 BORING NO. B27

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		12:19	B27-0.5				SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Dark brown, dry, loose, silty SAND; fine-grained sand.
	■		12:21	B27-2.5					
	■		12:23	B27-5				SP	NATIVE: Light brown, dry, loose, poorly graded SAND; fine-grained sand.
5									Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/20/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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15									
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FIGURE C- 42

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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DATE DRILLED 2/20/23 BORING NO. B28

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		11:58	B28-0.5				SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		12:03	B28-2.5					
	■		12:04	B28-5				SP	NATIVE: Light brown, dry, loose, poorly graded SAND; fine-grained sand.
5									Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/20/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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15									
20									

FIGURE C- 43

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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DATE DRILLED 2/20/23 BORING NO. B29

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		10:55	B29-0.5				SM	FILL: Dark brown, dry, loose, silty SAND; fine-grained sand.
	■		11:00	B29-2.5					
	■		11:03	B29-5				SP	NATIVE: Light brown, dry, loose, poorly graded SAND; fine-grained sand.
5									Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite to ground surface on 2/20/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

DATE DRILLED 2/20/23 BORING NO. B30

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		10:25	B30-0.5			■	SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Dark brown, dry, loose, silty SAND; fine-grained sand.
	■		10:28	B30-2.5					
5	■		10:31	B30-5					Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/20/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

DATE DRILLED 2/20/23 BORING NO. B31

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		07:30	B31-0.5			▒	SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		07:32	B31-2.5			▒		
									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/20/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
5									
10									
15									
20									

DATE DRILLED 2/20/23 BORING NO. B32

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger to 5' bgs; then Direct Push (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									ASPHALT CONCRETE: Approximately 3 inches thick.
								SM	FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		12:52	B32-2.5	1.7				
								SP	NATIVE: Light brown, dry, loose, poorly graded SAND; fine-grained sand.
5	■		12:56	B32-5	1.5				
								SW	Light brown, dry, loose, well-graded SAND; fine to medium-grained sand.
10		■	13:04	B32-10	0.0				Total Depth = 10 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/20/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
15									
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FIGURE C- 47

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LOS ANGELES, CALIFORNIA

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DATE DRILLED 2/20/23 BORING NO. B33

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger to 5' bgs; then Direct Push (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									ASPHALT CONCRETE: Approximately 3 inches thick.
								SM	FILL: Dark brown, dry, loose, silty SAND; fine-grained sand.
	■		13:39	B33-2.5	2.6				
								SP	NATIVE: Light brown, dry, loose, poorly graded SAND; fine-grained sand.
5	■		13:42	B33-5	1.8				
		■	13:50	B33-10	0.2				
10									Total Depth = 10 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/20/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
15									
20									

DATE DRILLED 2/20/23 BORING NO. B34

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger to 5' bgs; then Direct Push (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									ASPHALT CONCRETE: Approximately 3 inches thick.
			14:19	B34-2.5	2.0			SM	FILL: Brown, dry, loose, silty SAND; fine-grained sand.
5									Total Depth = 3 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/20/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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20									

FIGURE C- 49

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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DATE DRILLED 5/6/23 BORING NO. B34-NE

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3.25" Hand Auger

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		09:21	B34-NE-0.5				SM	FILL: Brown, dry, dense, silty SAND; fine to coarse-grained sand with trace fine gravel.
	■		09:26	B34-NE-2.5					Medium dense; fine to medium-grained sands.
									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete with black dye to ground surface on 5/6/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
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10									
15									
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DATE DRILLED 5/6/23 BORING NO. B34-NE2

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3.25" Hand Auger

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		09:08	B34-NE2-0.5				SM	FILL: Brown, dry, dense, silty SAND; fine to coarse-grained sand with trace fine to coarse gravel.
	■		09:17	B34-NE2-2.5					Fine-grained sands.
									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete with black dye to ground surface on 5/6/23.
5									Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.
									The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
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FIGURE C- 51

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DATE DRILLED 5/6/23 BORING NO. B34-NW

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3.25" Hand Auger

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		09:31	B34-NW-0.5			▒	SM	FILL: Brown, dry, dense, silty SAND; fine to medium-grained sands. Total Dept = 0.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete with black dye to ground surface on 5/6/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
5									
10									
15									
20									

FIGURE C- 52

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750 EAST 49TH STREET
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DATE DRILLED 5/6/23 BORING NO. B34-NW2

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3.25" Hand Auger

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		09:38	B34-NW2-0.5				SM	FILL: Reddish gray, dry, medium dense, silty SAND; fine-grained sands.
	■		09:44	B34-NW2-2.5					Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete with black dye to ground surface on 5/6/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
5									
10									
15									
20									

FIGURE C- 53

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DATE DRILLED 5/6/23 BORING NO. B34-SW

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3.25" Hand Auger

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		09:50	B34-SW-0.5				SM	FILL: Brown, dry, dense, silty SAND; fine-grained sands.
	■		09:54	B34-SW-2.5					Medium dense.
									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete with black dye to ground surface on 5/6/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
5									
10									
15									
20									

DATE DRILLED 5/6/23 BORING NO. B34-SW2

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3.25" Hand Auger

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0			10:10	B34-SW2-0.5				SM	FILL: Brown, dry, dense, silty SAND; fine to coarse-grained sands.
			10:21	B34-SW2-2.5					Metal debris around 2 feet bgs. Fine-grained sands.
									Total Depth = 2.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete with black dye to ground surface.
5									Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report.
									The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

FIGURE C- 55

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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DATE DRILLED 4/5/23 BORING NO. B34/SV5

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 2

METHOD OF DRILLING Hand Auger to 4' bgs; then Geoprobe 6620 DT Direct Push

DRIVE WEIGHT - DROP -

SAMPLED BY AC/SML LOGGED BY AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, loose, silty SAND; fine to coarse-grained sands.
		■	08:00	B34-2.5	0.3				
5		■	08:20	B34-5	0.3				Fine-grained sands.
								SP	NATIVE: Light brown, dry, loose, poorly graded SAND; fine-grained sand.
10		■	08:30	B34-10	0.3				
								SM	Brown, dry, loose, silty SAND; fine-grained sand.
15									Total Depth = 15.5 feet bgs. Groundwater was not encountered during drilling. Soil vapor probes installed at approximately 5 and 15 feet bgs. Backfilled with bentonite and concrete to ground surface on 4/5/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of
20									

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
25									
30									
35									
40									

DATE DRILLED 4/5/23 BORING NO. B34/SV5

GROUND ELEVATION XXXXX' ± (MSL) SHEET 2 OF 2

METHOD OF DRILLING Hand Auger to 4' bgs; then Geoprobe 6620 DT Direct Push

DRIVE WEIGHT - DROP -

SAMPLED BY AC/SML LOGGED BY AC REVIEWED BY JA

FIGURE C- 57

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LOS ANGELES, CALIFORNIA

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DATE DRILLED 4/5/23 BORING NO. B35

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger to 4' bgs; then Geoprobe 6620 DT Direct Push

DRIVE WEIGHT - DROP -

SAMPLED BY SML/AC LOGGED BY AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
		■	09:10	B35-2.5	0.1				
5		■	09:23	B35-5	0.3				Light brown.
10		■	09:25	B35-10	0.8				Total Depth = 10 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete with black dye to ground surface on 4/5/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
15									
20									

FIGURE C- 58

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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DATE DRILLED 4/5/23 BORING NO. B36

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING Hand Auger to 4' bgs; then Geoprobe 6620 DT Direct Push

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		14:20	B36-0.5	5.5			SW-SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Reddish gray, dry, loose, well-graded SAND with silt; fine to coarse grained sand with trace amounts of fine to coarse gravel.
	■		14:23	B36-2.5	2.7			SM	Reddish gray, dry, loose, silty SAND; fine-grained sand.
5		■	14:40	B36-5	3.5				
		■	14:42	B35-10	3.0			SM	NATIVE: Reddish gray, moist, medium dense, silty SAND; fine-grained sand.
10									Total Depth = 10 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete with black dye to ground surface on 4/5/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
15									
20									

FIGURE C- 59

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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DATE DRILLED 4/5/23 BORING NO. B37/SV1

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 2

METHOD OF DRILLING Hand Auger to 4' bgs; then Geoprobe 6620 DT Direct Push

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0			13:26	B37-0.5				SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand to fine gravel.
		■	13:32	B37-2.5	0.4				Fine-grained sand.
5		■	13:42	B37-5	0.4				
		■	13:44	B37-10	0.8			SP	NATIVE: Light brown, dry, loose, poorly graded SAND; fine-grained sand.
10									
		■	13:46	B37-15	0.8			SW	Light brown, dry, loose, fine to coarse-grained sand.
15									Total Depth = 15.5 feet bgs. Groundwater was not encountered during drilling. Soil vapor probes installed at approximately 5 and 15 feet bgs. Backfilled with bentonite and concrete to ground surface on 4/5/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of
20									

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
25									
30									
35									
40									

DATE DRILLED 4/5/23 BORING NO. B37/SV1

GROUND ELEVATION XXXXX' ± (MSL) SHEET 2 OF 2

METHOD OF DRILLING Hand Auger to 4' bgs; then Geoprobe 6620 DT Direct Push

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY AC REVIEWED BY JA

FIGURE C- 61

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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DATE DRILLED 4/5/23 BORING NO. B38/SV2

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 2

METHOD OF DRILLING Hand Auger to 4' bgs; then Geoprobe 6620 DT Direct Push

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0			12:37	B38-0.5				SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Reddish brown, dry, loose, silty SAND; fine to coarse-grained sand.
			12:39	B38-2.5	0.3				
5			12:53	B38-5	1.0				Fine-grained sand.
10			12:55	B38-10	0.7				Light brown.
15			12:58	B38-15	0.8				
									Total Depth = 15.5 feet bgs. Groundwater was not encountered during drilling. Soil vapor probes installed at approximately 5 and 15 feet bgs. Backfilled with bentonite and concrete to ground surface on 4/5/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of
20									

DATE DRILLED 4/5/23 BORING NO. B38/SV2

GROUND ELEVATION XXXXX' ± (MSL) SHEET 2 OF 2

METHOD OF DRILLING Hand Auger to 4' bgs; then Geoprobe 6620 DT Direct Push

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
25									
30									
35									
40									

FIGURE C- 63

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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DATE DRILLED 4/5/23 BORING NO. B39/SV3

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 2

METHOD OF DRILLING Hand Auger to 4' bgs; then Geoprobe 6620 DT Direct Push

DRIVE WEIGHT - DROP -

SAMPLED BY AC/SML LOGGED BY AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0			10:49	B39-0.5				SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Reddish brown, dry, loose, silty SAND; fine to coarse-grained sand.
			10:52	B39-2.5	0.1				
5			11:00	B39-5	0.5				Fine-grained sand.
10			11:02	B39-10	0.9				
15			11:05	B39-15	0.6			SP	NATIVE: Light brown, dry, loose, poorly graded SAND; fine-grained sand.
									Total Depth = 15.5 feet bgs. Groundwater was not encountered during drilling. Soil vapor probes installed at approximately 5 and 15 feet bgs. Backfilled with bentonite and concrete to ground surface on 4/5/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of
20									

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
25									
30									
35									
40									

DATE DRILLED 4/5/23 BORING NO. B39/SV3

GROUND ELEVATION XXXXX' ± (MSL) SHEET 2 OF 2

METHOD OF DRILLING Hand Auger to 4' bgs; then Geoprobe 6620 DT Direct Push

DRIVE WEIGHT - DROP -

SAMPLED BY AC/SML LOGGED BY AC REVIEWED BY JA

FIGURE C- 65

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

211936010 | 7/23

DATE DRILLED 2/18/23 BORING NO. B40

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									ASPHALT CONCRETE: Approximately 3 inches thick.
								SM	FILL: Brown, dry, loose, silty SAND; fine-grained sand.
			10:39	B40-2.5	0.0				
			11:26	B40-5	0.0				
5									Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

DATE DRILLED 5/6/23 BORING NO. B40A

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3.25" Hand Auger

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■						▨	SM	FILL: Brown, dry, dense, silty SAND; fine to medium-grained sands.
									Total Depth = 0.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete with black dye to ground surface on 5/6/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
5									
10									
15									
20									

FIGURE C- 67

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

211936010 | 7/23

DATE DRILLED 2/18/23 BORING NO. B41

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									ASPHALT CONCRETE: Approximately 3 inches thick.
								SM	FILL: Brown, dry, loose, silty SAND; fine-grained sand.
			10:11	B41-2.5	0.0				
5			10:14	B41-5	0.0				Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

FIGURE C- 68

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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DATE DRILLED 5/6/23 BORING NO. B41A

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3.25" Hand Auger

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		08:37	B41A-0.5			▒	SM	FILL: Brown, dry, medium dense, silty SAND; fine to medium-grained sands. Total Depth = 0.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete with black dye to ground surface on 5/6/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
5									
10									
15									
20									

FIGURE C- 69

Ninyo & Moore
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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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DATE DRILLED 2/18/23 BORING NO. B42

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC/AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									ASPHALT CONCRETE: Approximately 3 inches thick.
								SM	FILL: Dark brown, dry, loose, silty SAND; fine-grained sand.
	■			B42-2.5	0.0				
5	■			B42-5	0.0				Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 2/18/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

FIGURE C- 70

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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DATE DRILLED 4/3/23 BORING NO. B42A

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		13:44	B42A-0.5			▒	SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand.
	■		13:46	B42A-2.5			▒		
	■		13:48	B42A-5			▒		
5									Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 4/3/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

FIGURE C- 71

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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DATE DRILLED 4/5/23 BORING NO. B43/SV4

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 2

METHOD OF DRILLING Hand Auger to 4' bgs; then Geoprobe 6620 DT Direct Push

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0			15:15	B43-0.5				SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, loose, silty SAND; fine-grained sand with trace fine gravel.
			15:20	B43-2.5	2.7				
5			15:28	B43-5	1.0			SM	Light brown, dry, loose, silty SAND; fine-grained sands.
10			15:30	B43-10	0.9				Brown.
15			15:35	B43-15	1.6				
									Total Depth = 15.5 feet bgs. Groundwater was not encountered during drilling. Soil vapor probes installed at approximately 5 and 15 feet bgs. Backfilled with bentonite and concrete to ground surface on 4/5/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of
20									

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
25									
30									
35									
40									

DATE DRILLED 4/5/23 BORING NO. B43/SV4

GROUND ELEVATION XXXXX' ± (MSL) SHEET 2 OF 2

METHOD OF DRILLING Hand Auger to 4' bgs; then Geoprobe 6620 DT Direct Push

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY AC REVIEWED BY JA

FIGURE C- 73

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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DATE DRILLED 4/3/23 BORING NO. B44

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 1

METHOD OF DRILLING 3" Hand Auger (Interphase)

DRIVE WEIGHT - DROP -

SAMPLED BY EAC/AC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0	■		14:16	B44-0.5	3.9		■	SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, very loose, silty SAND; fine-grained sand.
	■		14:18	B44-2.5	4.5				
5	■		14:20	B44-5	2.3				Total Depth = 5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete to ground surface on 4/3/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
10									
15									
20									

FIGURE C- 74

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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DATE DRILLED 4/3/23 BORING NO. B45/SV6

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 2

METHOD OF DRILLING Hand Auger to 5' bgs; then Geoprobe 6620 DT Direct Push

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY EAC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0			08:00	B45-0.5	0.1			SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Reddish brown, dry, loose, silty SAND; fine-grained sand. @ 1': Brick material encountered.
			08:05	B45-2.5	0.1				
5			08:15	B45-5	0.1			SP-SM	Brown, dry, loose, poorly graded SAND with silt; fine-grained sand.
								SP	Light brown, dry, very loose, poorly graded SAND; fine-grained sand.
10			08:30	B45-10	0.1				
15			08:35	B45-15	0.2				
									Total Depth = 15.5 feet bgs. Groundwater was not encountered during drilling. Soil vapor probes installed at approximately 5 and 15 feet bgs. Backfilled with bentonite and concrete to ground surface on 4/3/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of
20									

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									this evaluation. It is not sufficiently accurate for preparing construction bids and design documents.
25									
30									
35									
40									

DATE DRILLED 4/3/23 BORING NO. B45/SV6

GROUND ELEVATION XXXXX' ± (MSL) SHEET 2 OF 2

METHOD OF DRILLING Hand Auger to 5' bgs; then Geoprobe 6620 DT Direct Push

DRIVE WEIGHT - DROP -

SAMPLED BY AC LOGGED BY EAC REVIEWED BY JA

FIGURE C- 76

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750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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DATE DRILLED 4/5/23 BORING NO. B46

GROUND ELEVATION XXXXX' ± (MSL) SHEET 1 OF 2

METHOD OF DRILLING Hand Auger to 4' bgs; then Geoprobe 6620 DT Direct Push

DRIVE WEIGHT - DROP -

SAMPLED BY AC/SML LOGGED BY AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0			09:58	B46-0.5				SM	ASPHALT CONCRETE: Approximately 3 inches thick. FILL: Brown, dry, loose, silty SAND; fine to coarse-grained sand.
			10:00	B46-2.5	0.2				
5			10:13	B46-5	0.2				
10			10:15	B46-10	0.5				Light brown. Void from approximately 10 to 11.5 feet bgs.
15			10:25	B46-15	0.8				
20									Total Depth = 15.5 feet bgs. Groundwater was not encountered during drilling. Backfilled with bentonite and concrete with black dye to ground surface on 4/5/23. Notes: Groundwater, though not encountered at the time of drilling, may rise to a higher level due to seasonal variations in precipitation and several other factors as discussed in the report. The ground elevation shown above is an estimation only. It is based on our interpretations of published maps and other documents reviewed for the purposes of this evaluation. It is not sufficiently accurate for preparing construction bids and design

DATE DRILLED 4/5/23 BORING NO. B46

GROUND ELEVATION XXXXX' ± (MSL) SHEET 2 OF 2

METHOD OF DRILLING Hand Auger to 4' bgs; then Geoprobe 6620 DT Direct Push

DRIVE WEIGHT - DROP -

SAMPLED BY AC/SML LOGGED BY AC REVIEWED BY JA

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	SAMPLE TIME	SAMPLE ID	PID READING (ppm)	MOISTURE	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
20									documents.
25									
30									
35									
40									

FIGURE C- 78

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Geotechnical & Environmental Sciences Consultants

750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

211936010 | 7/23

APPENDIX D

Geophysical Survey Report

SubSurface Surveys
& Associates, Inc.
An Applied Geophysical Company

2075 Corte Del Nogal, Suite W
Carlsbad, CA 92011

Office: (760) 476-0492
Fax: (760) 476-0493

February 28, 2023

Project/Invoice No. 23-058

Ninyo & Moore
475 Goddard, Suite 200
Irvine, California 92618

Attn: **Dennis Fee**

Re: Geophysical Investigation Report, 49th Street Elementary School; 750 East 49th Street, Los Angeles, California 90043

This report is to present the results of our geophysical survey carried out at 49th Street Elementary School located at 750 East 49th Street, Los Angeles, California 90043 (Figure 1). The survey was performed on February 18th & 20th, 2023, and its primary purpose was to detect and delineate, insofar as possible, underground fuel storage tanks (UST), a former incinerator, evidence of a former above ground storage tank (AST), and a former boiler room. A secondary purpose of the survey was to detect and delineate, insofar as possible, pipes, conduits, utilities, and other underground obstructions within a five (5) foot radius of forty-six (46) proposed boreholes and three (3) alternate drill locations.

A combination of electromagnetic induction (EM), magnetometry, and ground penetrating radar (GPR) were brought to the field in anticipation of use. Utility locators with line tracing capabilities were also used where applicable.

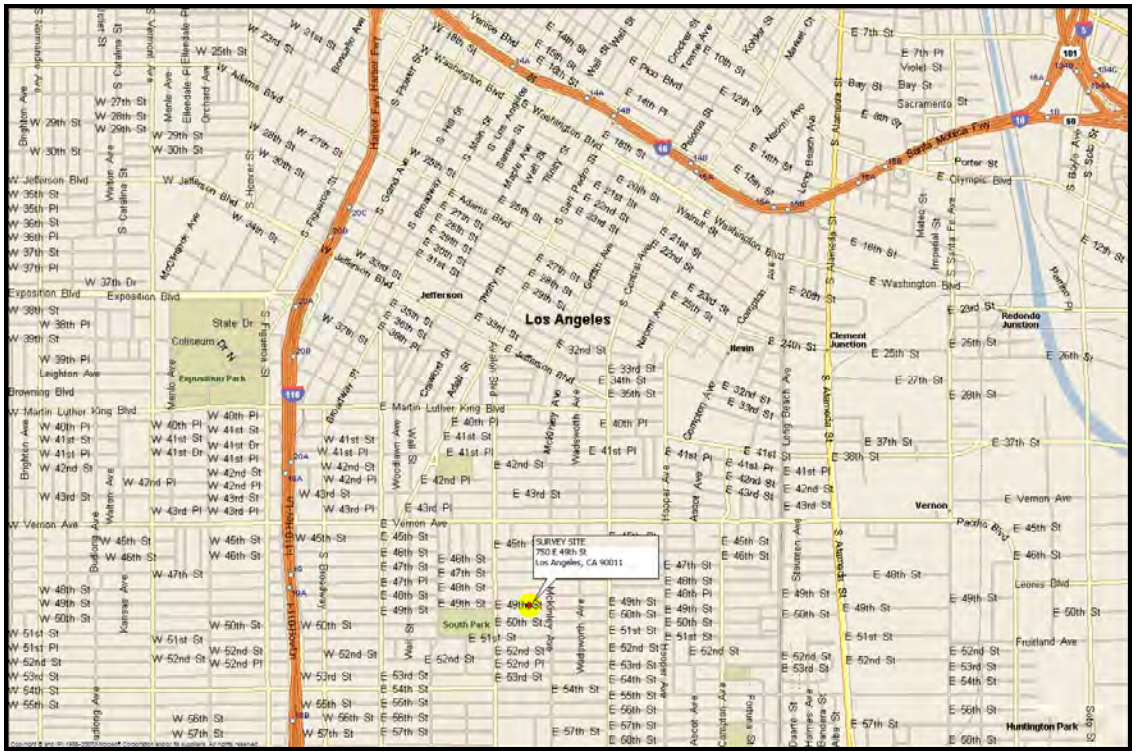


FIGURE 1. Site location map.

Survey Design – The area of investigation for the UST, AST, Boiler Room and incinerator included the northeastern portion of the school with a focus around the West Building. The forty-six boreholes and three alternate drill locations were located throughout the campus with their exact locations indicated in the field by the client.

For all survey objectives, the best use of time was achieved by systematically free-traversing with the instruments while monitoring them manually, continuously, and in real-time to determine which responses were significant and due to true subsurface targets, and which were due to other non-target or above-ground features and must be ignored (an example being nearby rebar reinforced concrete and ADA Ramp). In these situations, the free-traversing method is advantageous in that it allows for immediate detection of anomalous objects and facilitates the opportunity to investigate them further despite the obstructions and without the need to first download data. Where space was available for traversing, the EM devices, magnetic gradiometer, and GPR were traversed systematically over the survey areas in multiple, organized directions. Other traverses were taken for detailing and confirmation where anomalous conditions were found.

In addition, the line tracers were used to impress signals onto pipes, generally through accessible risers and tracer wires when present, to delineate the lines' locations and orientations. The instruments were also used in passive mode, configured to detect 60 Hz electrical signals and other common radio-frequency signals found in active electrical and communication lines.

A Geonic's model EM61 and a Fischer M-Scope was used for the EM sampling. A Sensors & Software Noggin Ground Penetrating Radar unit with a 500 MHz antenna produced the radar images. The magnetic gradiometer was a Schonstedt GA-52, and a Metrotech 9890 and RIDGID SR-60 SeekTech utility locator rounded out the tools applied.

Brief Description of the Geophysical Methods Applied – The EM61 instrument is a high resolution, time-domain device for detecting buried conductive objects. It consists of a powerful transmitter that generates a pulsed primary magnetic field when its coils are energized, which induces eddy currents in nearby conductive objects. The decay of the eddy currents, following the input pulse, is measured by the coils, which in turn serve as receiver coils. The decay rate is measured for two coils, mounted concentrically, one above the other. By making the measurements at a relatively long time interval (measured in milliseconds) after termination of the primary pulse, the response is nearly independent of the electrical conductivity of the ground. Thus, the instrument is a super-sensitive metal detector. Due to its unique coil arrangement, the response curve is a single well-defined positive peak directly over a buried conductive object. This facilitates quick and accurate location of targets.

The M-Scope device energizes the ground by producing an alternating primary magnetic field with AC current in a transmitting coil. If conducting materials are within the area of influence of the primary field, AC eddy currents are induced to flow in the conductors. A receiving coil senses the secondary magnetic field produced by these eddy currents, and outputs the response as anomalous conditions. The strength of the secondary field is a function of the conductivity of the object; say a pipe, tank or cluster of drums, its size, and its depth and position relative to the instrument's two coils. Conductive objects, to a depth of approximately 7 feet below ground surface (bgs) for the M-Scope are sensed. The device is also somewhat focused; that is, it is more sensitive to conductors below the instrument than they are to conductors off to the side.

The GPR instrument beams energy into the ground from its transducer/antenna, in the form of electromagnetic waves. A portion of this energy is reflected back to the antenna at a boundary in the subsurface across which there is an electrical contrast. The instrument produces a continuous record of the reflected energy as the antenna is traversed across the ground surface. The greater the electrical contrast, the higher the amplitude of the returned energy. The radar wave travels at a velocity unique to the material properties of the ground being investigated, and when these velocities are known, the two-way travel times can be converted to depth. The depth of penetration and image resolution produced are a function of ground electrical conductivity and dielectric constant.

The magnetic gradiometer has two flux gate magnetic fixed sensors that are passed closely to and over the ground. When not in close proximity to a magnetic object, that is, only in the earth's field, the instrument emits a sound signal at a low frequency. When the instrument passes over a buried iron or steel object, so that locally there is a high magnetic gradient, the frequency of the emitted sound increases. The frequency is a function of the gradient between the two sensors.

The line locator is used to passively detect energized high voltage electric lines and electrical conduit (50-60 Hz), VLF signals (14-22 kHz), as well as to actively trace other utilities. Where risers are present, the utility locator transmitter can be connected directly to the object, and a signal (9.8-82 kHz) is sent traveling along the conductor, pipe, conduit, etc. In the absence of a riser, the transmitter can be used to impress an input signal on the utility by induction. In either case, the receiver unit is tuned to the input signal, and is used to actively trace the signal along the pipe's surface projection.

Interpretation and Conclusions – The interpretation took place in real time as the survey progressed, and accordingly, the findings of our investigation were marked on the ground cover at the site with spray chalk, reported directly to the client, and are further documented with a site map of notable findings (Figure 2) and site photographs of notable findings and proposed boreholes (Figures 3-50). Note that boreholes **B11, B13 & B14** were not cleared as they had already been hand augured before subsurface survey personnel could scan the locations.

Detected items were painted out on site and are additionally highlighted in all accompanying graphics in coordinated colors including red for electric, orange for communication, blue for water, green for sewer and drain, yellow for gas and former fuel lines, and white for unknown lines. Additionally, orange was used to mark out the extent of a deep soil disturbance, yellow was used to mark out a shallow soil disturbance and pink was used to mark out a shallow EM anomaly. Please review the site map and site photographs for the locations and orientations of all detected items.

No evidence of a former incinerator was detected within the survey area (Figure 2 & 37).

No evidence of a former AST was detected within the survey area (Figures 2 & 38).

A shallow soil disturbance was detected in the survey area measuring approximately 10 feet 8 inches by 6 feet 6 inches and was located adjacent to the west side of the Main Building near the reported location of a former boiler room (Figures 2 & 49). This anomaly coincides with the reported location of the former boiler room and is most likely a result of the removal of the former boiler room footing or foundations.

A deep soil disturbance was detected in the survey area near the south edge of the ADA Ramp measuring approximately 11 feet 9 inches by 11 feet 6 inches (Figures 2 & 46-50). This anomaly is near the reported

location of the UST however due to the presence of the highly reinforced ADA Ramp overlying part of the anomaly we are unable to determine if any large metallic anomalies lay within the deep soil disturbance. Additionally the ADA Ramp prevented full and complete radar passes across the anomaly and reduced our detection capabilities near the ramp. Therefore while no UST was detected we cannot say with 100% certainty that a UST is not present underlying or immediately adjacent to the ADA Ramp.

A former fuel line was also detected within the survey area leading to a concrete patch within the sidewalk north of the survey area (Figures 2 & 50). This fuel line could only be traced from the concrete patch south into the survey area up to the canopy connecting the West Building and the Main Building. After the canopy the ADA Ramp prevented detection of the fuel line as full radar traverses could not traverse the potential path of the fuel line.

An EM anomaly measuring approximately 4 feet 6 inches in diameter was detected just west of the base of the ADA Ramp and Deep Soil Disturbance (Figures 2 & 46-47). This anomaly appears to be a near surface metallic object at approximately 2-3 feet bgs. Further information about this anomaly could not be ascertained as it was not visible on radar and the nearby concrete encased electrical conduit and ADA Ramp masked the presence of any deeper metallic responses.

The forty-nine proposed boreholes were either clear as where originally positioned by the client or were moved slightly to better avoid detected obstructions. In their final locations all were marked in white with a yellow "SSS" to indicate that each had been checked by company personnel.

Limitations and Further Recommendations - It should be understood that limitations inherent in geophysical instruments and/or surveying techniques exist at all sites, and nearly all sites exhibit conditions under which such might not perform optimally. Consequently, the detection of buried objects in all circumstances **cannot be guaranteed**. Such limitations are numerous and include, but are not limited to, rebar-reinforced ground cover, abrupt changes in ground cover type, above-ground obstacles preventing full traverses or traverses in one direction only, above-ground conductive objects interfering with instrument signal, nearby powerlines or EM transmitters, highly conductive background soil conditions, limited GPR penetration, non-metallic targets, shallower or larger objects shielding deeper or smaller targets, tracing signal jumping from one line to another, and inaccessible risers, cleanouts, valve boxes, and manholes. If one or more geophysical instrument is rendered ineffective and cannot be utilized, the quality of the survey can be somewhat degraded.

For the above reasons, and in the interest of maximum safety, we encourage our clients to take advantage of Underground Service Alert (USA), Dig Alert, or other similar services, when possible. Furthermore, we recommend hand-auguring and the use of a drilling method known as air knifing or vacuum extraction, when feasible or if applicable to this project. These methods may significantly limit damage to underground pipes, conduits, and utilities that might not have been detectable during the course of this survey. Please bear in mind, that geophysical surveying is only one of several levels of protection that is available to our clients.

SubSurface Surveys may include maps in some reports. While they are an accurate general representation of the site and our findings, they are not of engineering quality (i.e., measured and mapped by a licensed land surveyor).

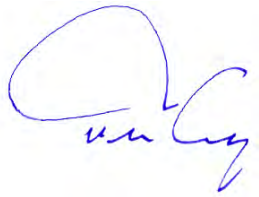
SubSurface Surveys and Associates makes no guarantee either expressed or implied regarding the accuracy

of the findings and interpretations present. And, in no event will SubSurface Surveys and Associates be liable for any direct, indirect, special, incidental, or consequential damages resulting from interpretations and opinions presented herewith.

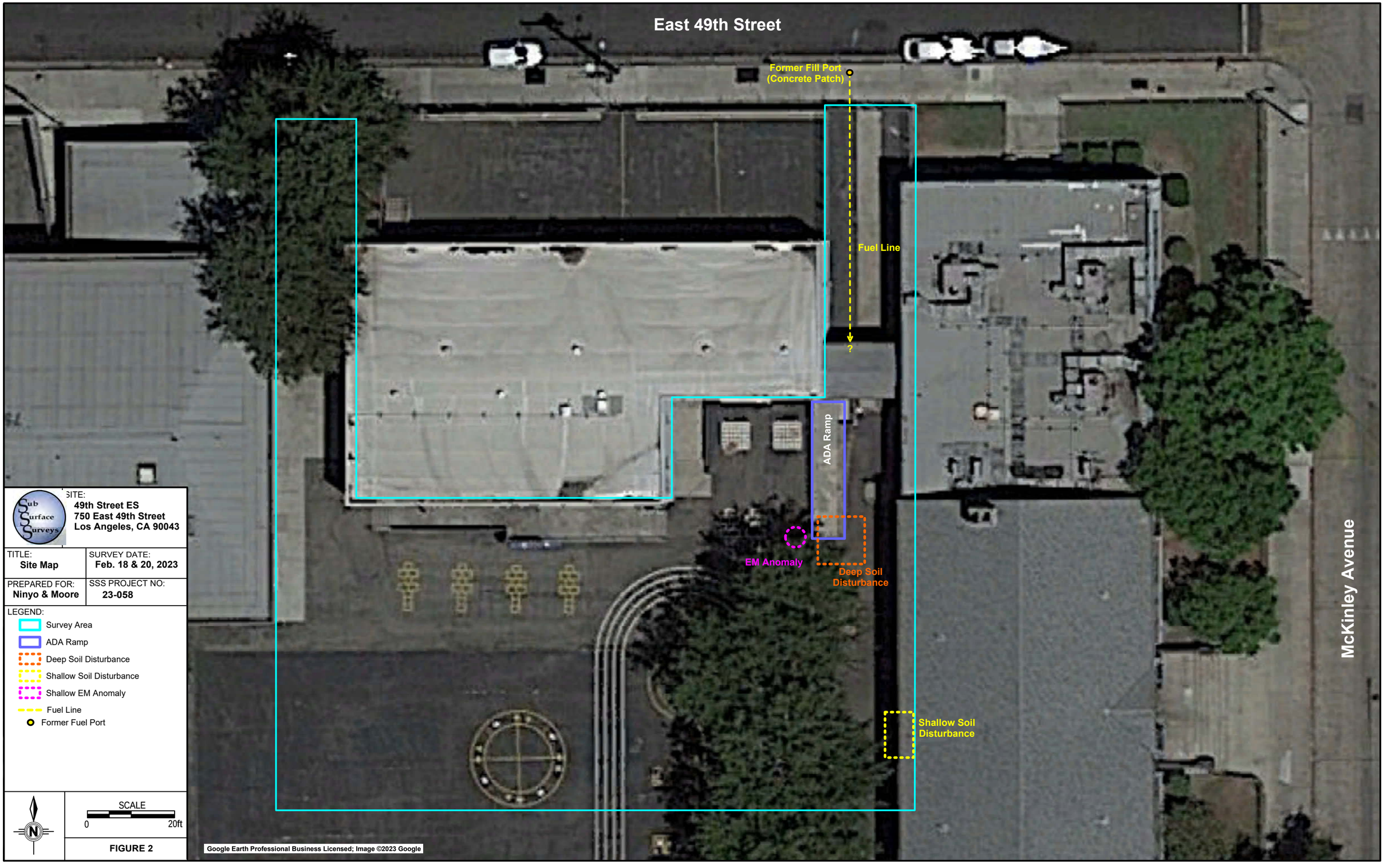
All data generated on this project are in confidential file in this office, and are available for review by authorized persons at any time. The opportunity to participate in this investigation is very much appreciated. Please call, if there are questions.



Dustin Renck
Staff Geophysicist, SubSurface Surveys



Travis Crosby
CA State Geophysics Registration GP1044
Senior Geophysicist, SubSurface Surveys



SITE:
49th Street ES
750 East 49th Street
Los Angeles, CA 90043

TITLE:	SURVEY DATE:
Site Map	**Feb. 18 & 20, 2023**
PREPARED FOR:	SSS PROJECT NO:
Ninyo & Moore	**23-058**

LEGEND:
- Survey Area
- ADA Ramp
- Deep Soil Disturbance
- Shallow Soil Disturbance
- Shallow EM Anomaly
- Fuel Line
- Former Fuel Port

SCALE
0 20ft

FIGURE 2

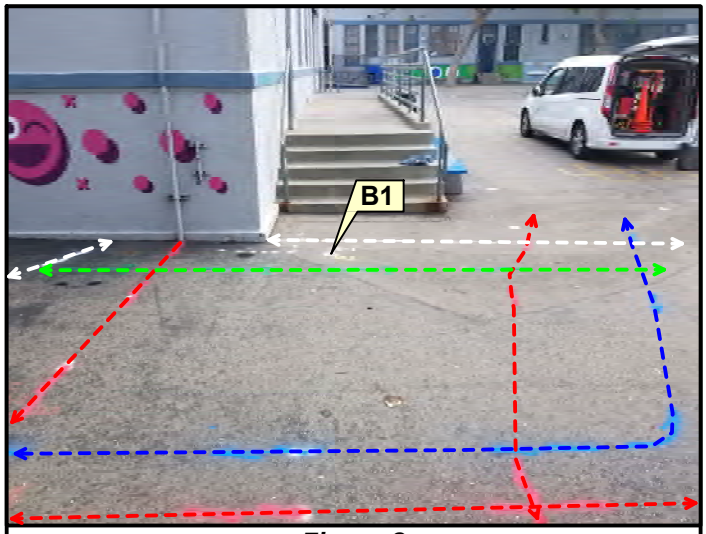
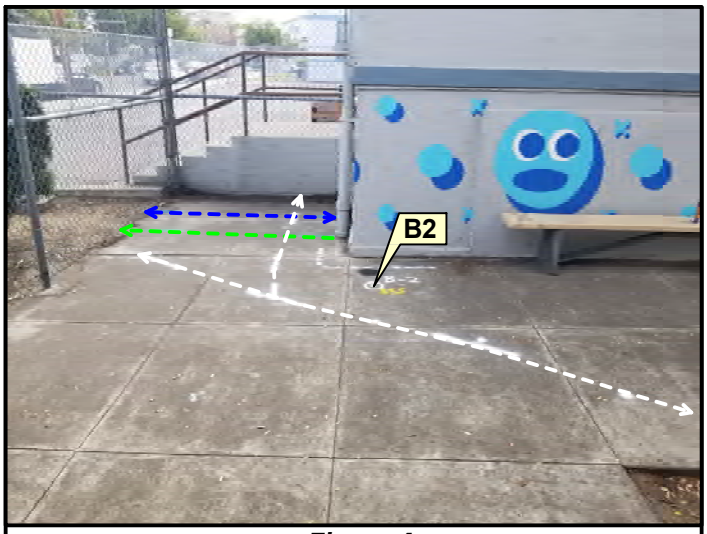


Figure 3



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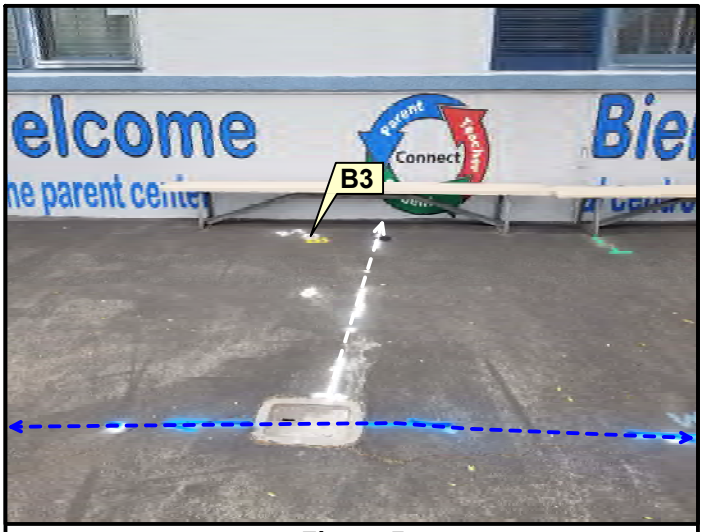


Figure 5

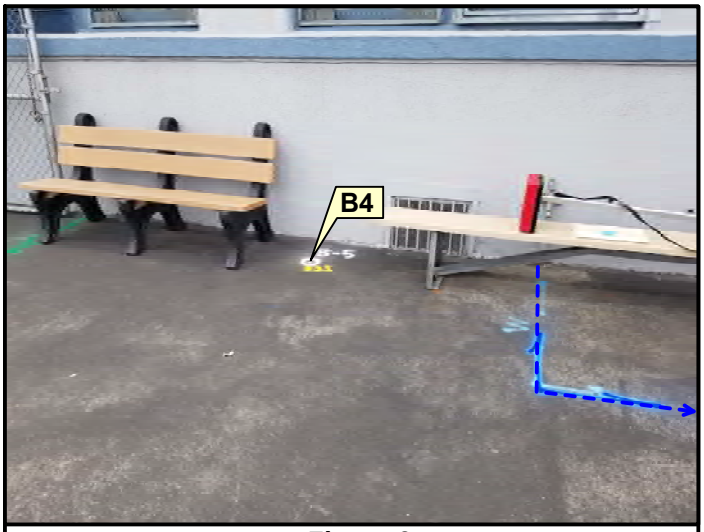


Figure 6



Figure 7

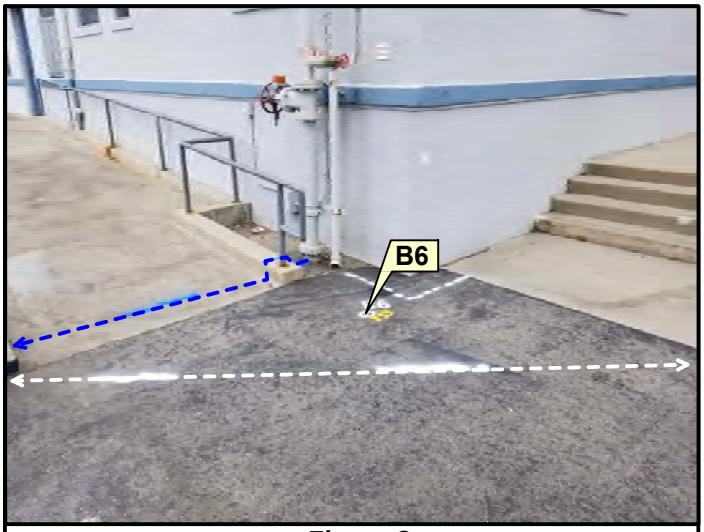
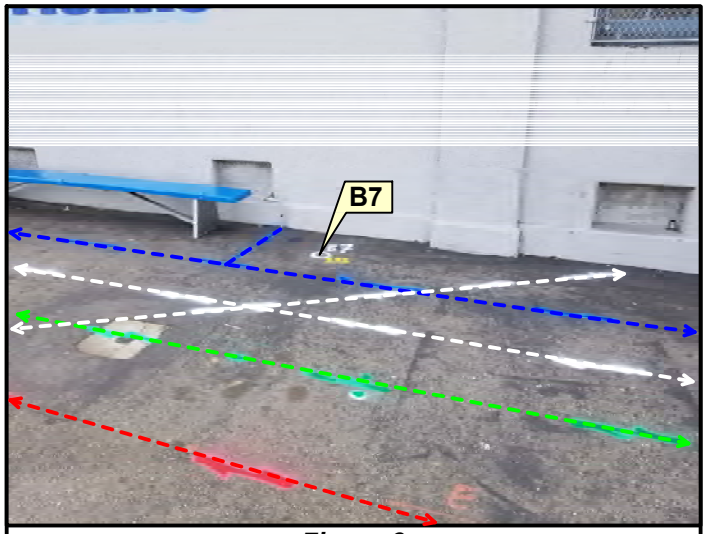


Figure 8

Sub Surface Surveys	SITE: **49th Street Elementary School** **750 East 49th Street** **Los Angeles, California 90043**	TITLE: **Site Photographs**	SURVEY DATE: **February 18 & 20, 2023**
		PREPARED FOR: **Ninyo & Moore**	SSS PROJECT NO: **23-058**



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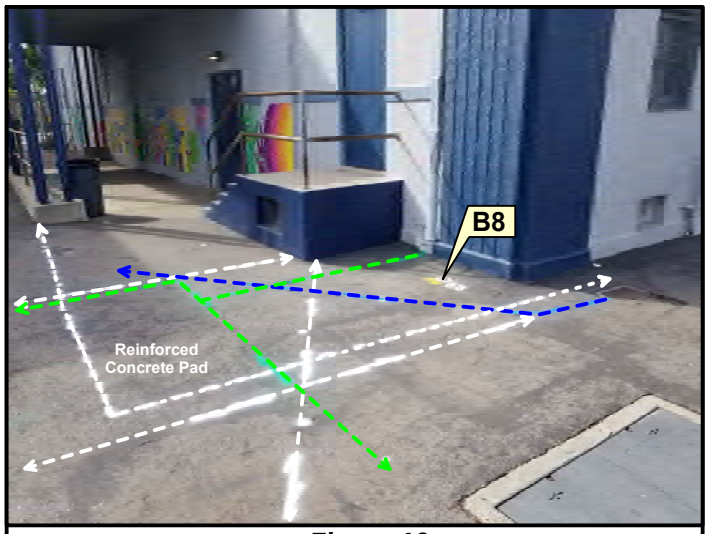
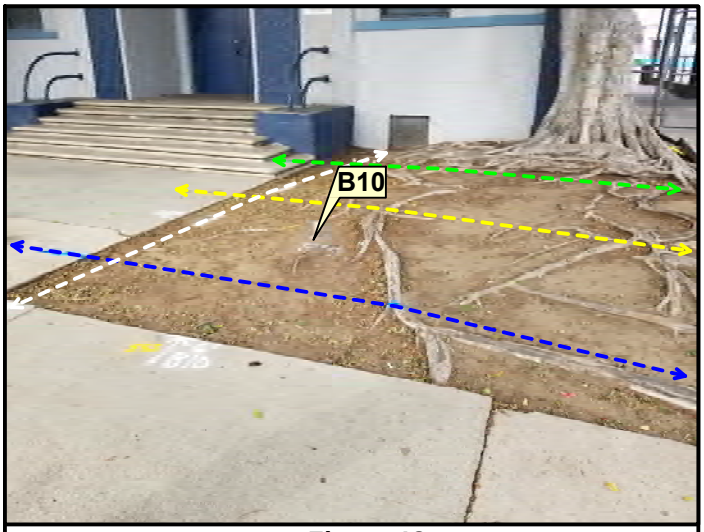


Figure 10



Figure 11



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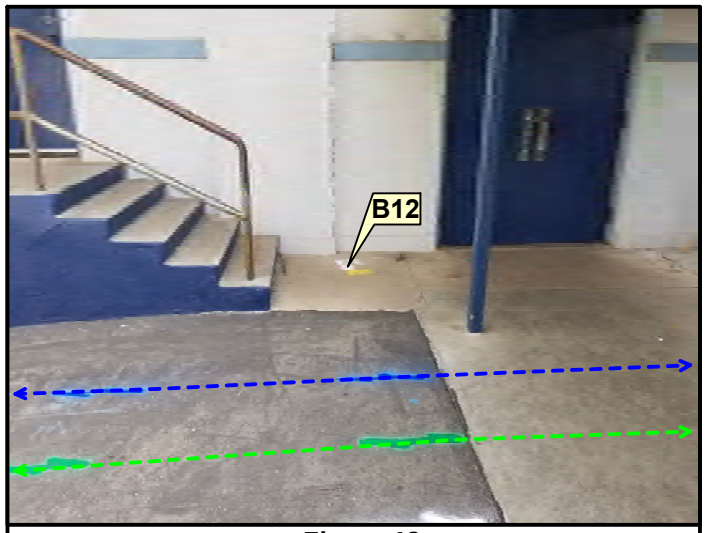

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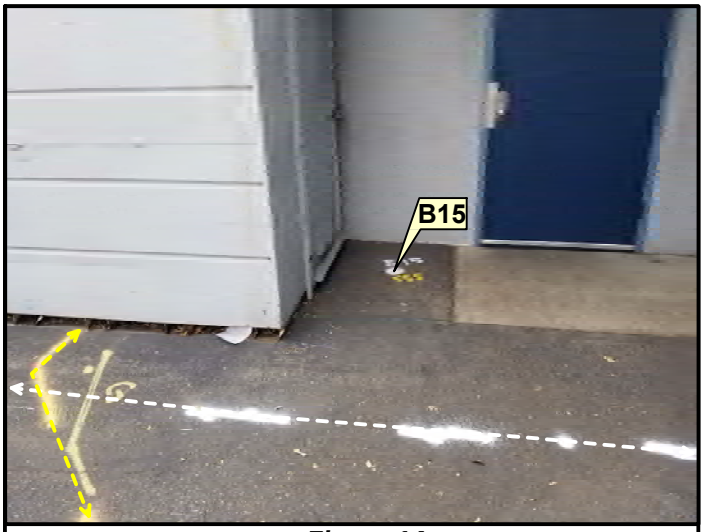


Figure 14

Sub Surface Surveys	SITE: **49th Street Elementary School** **750 East 49th Street** **Los Angeles, California 90043**	TITLE: **Site Photographs**	SURVEY DATE: **February 18 & 20, 2023**
		PREPARED FOR: **Ninyo & Moore**	SSS PROJECT NO: **23-058**



Figure 15



Figure 16



Figure 17



Figure 18

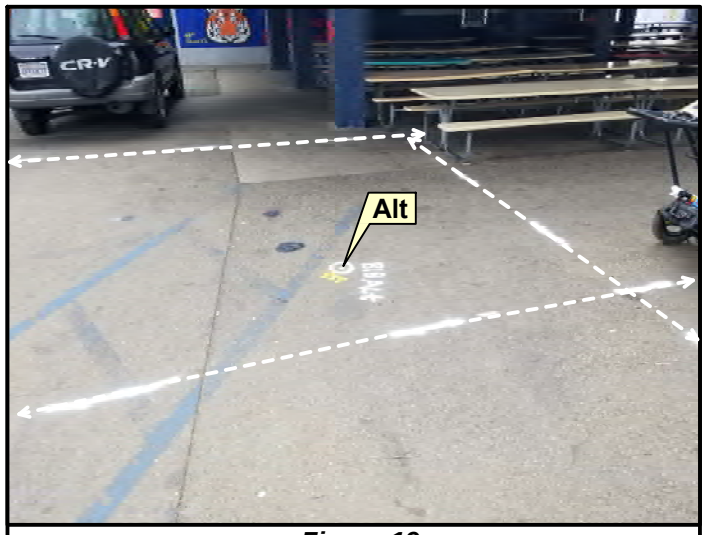


Figure 19



Figure 20

Sub Surface Surveys	SITE: **49th Street Elementary School** **750 East 49th Street** **Los Angeles, California 90043**	TITLE: **Site Photographs**	SURVEY DATE: **February 18 & 20, 2023**
		PREPARED FOR: **Ninyo & Moore**	SSS PROJECT NO: **23-058**



Figure 21



Figure 22

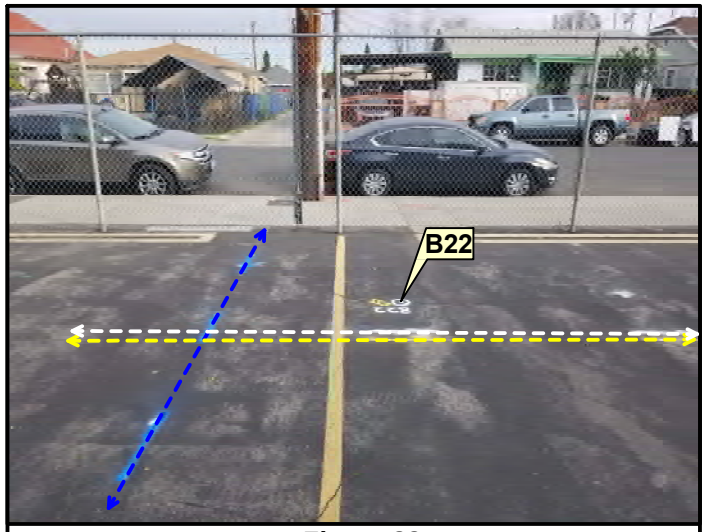


Figure 23



Figure 24

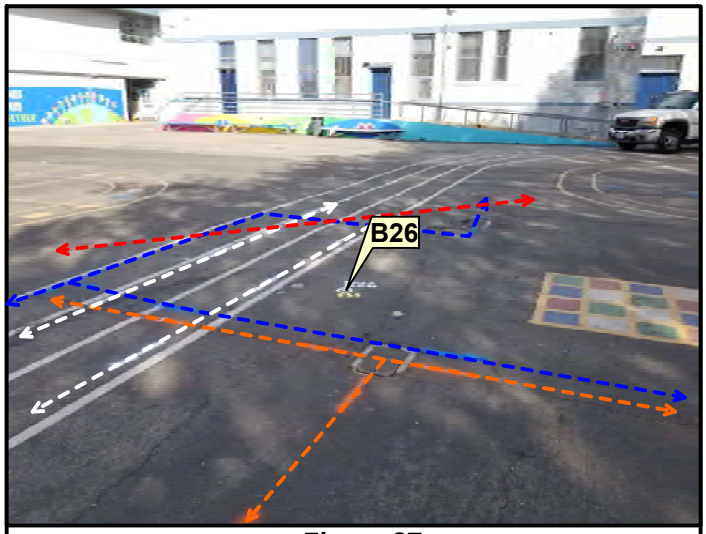


Figure 25



Figure 26

Sub Surface Surveys	SITE: **49th Street Elementary School** **750 East 49th Street** **Los Angeles, California 90043**	TITLE: **Site Photographs**	SURVEY DATE: **February 18 & 20, 2023**
		PREPARED FOR: **Ninyo & Moore**	SSS PROJECT NO: **23-058**



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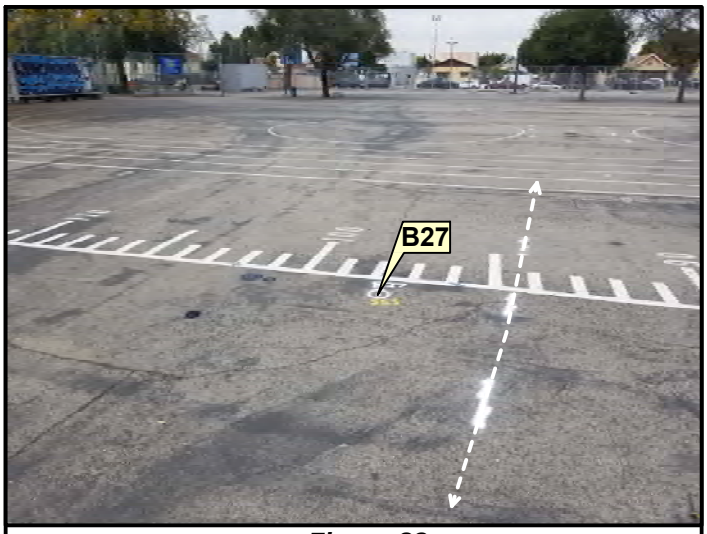


Figure 28



Figure 29



Figure 30

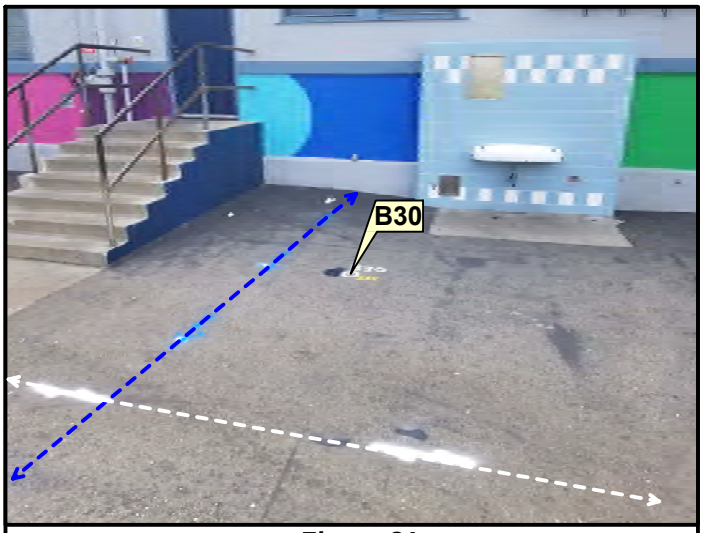


Figure 31



Figure 32

Sub Surface Surveys	SITE: **49th Street Elementary School** **750 East 49th Street** **Los Angeles, California 90043**	TITLE: **Site Photographs**	SURVEY DATE: **February 18 & 20, 2023**
		PREPARED FOR: **Ninyo & Moore**	SSS PROJECT NO: **23-058**



Figure 33



Figure 34



Figure 35

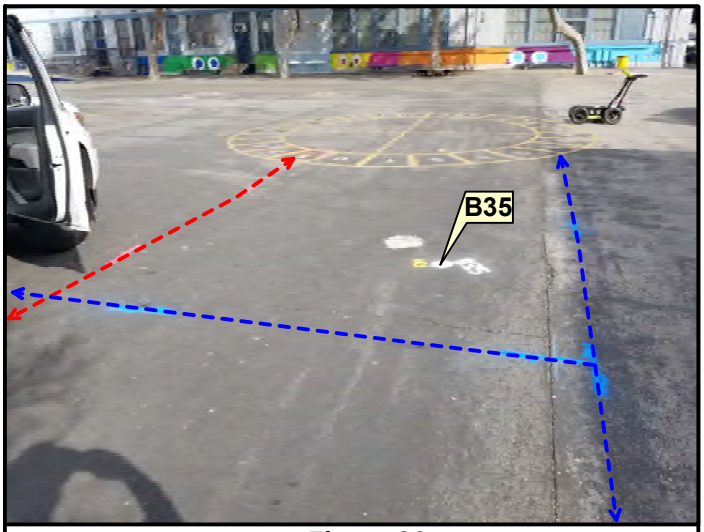


Figure 36



Figure 37

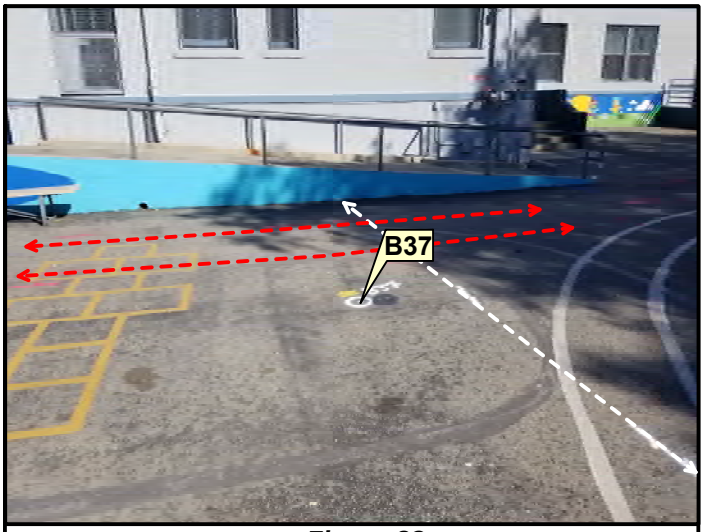


Figure 38

Sub Surface Surveys	SITE: **49th Street Elementary School** **750 East 49th Street** **Los Angeles, California 90043**	TITLE: **Site Photographs**	SURVEY DATE: **February 18 & 20, 2023**
		PREPARED FOR: **Ninyo & Moore**	SSS PROJECT NO: **23-058**

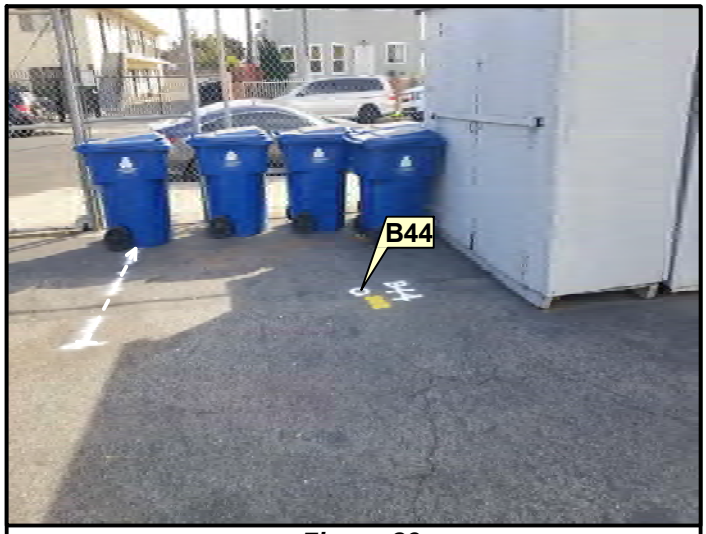


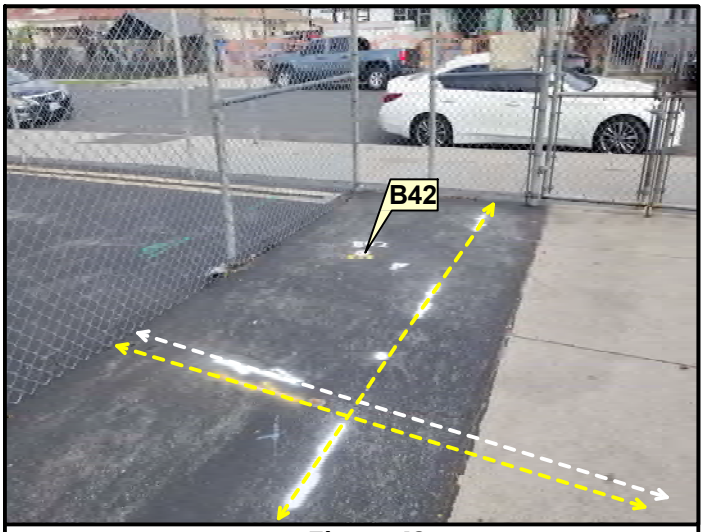
Figure 39



Figure 40



Figure 41



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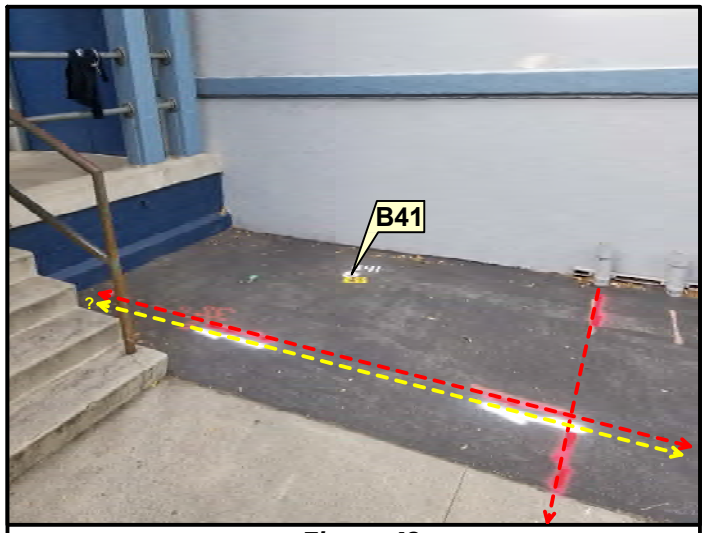

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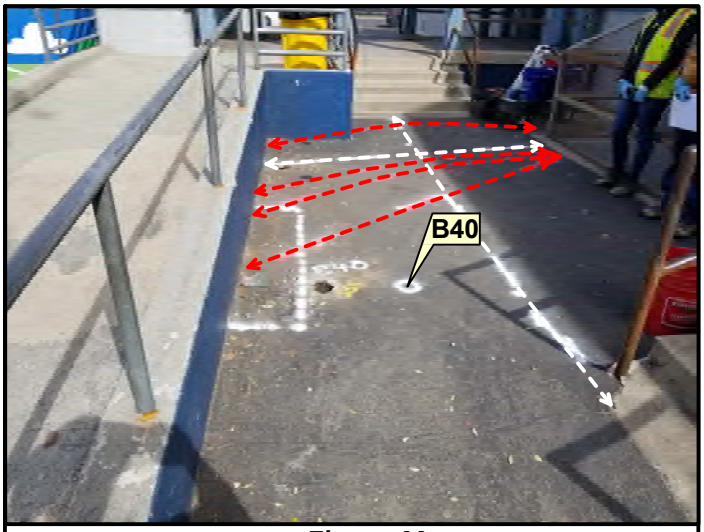
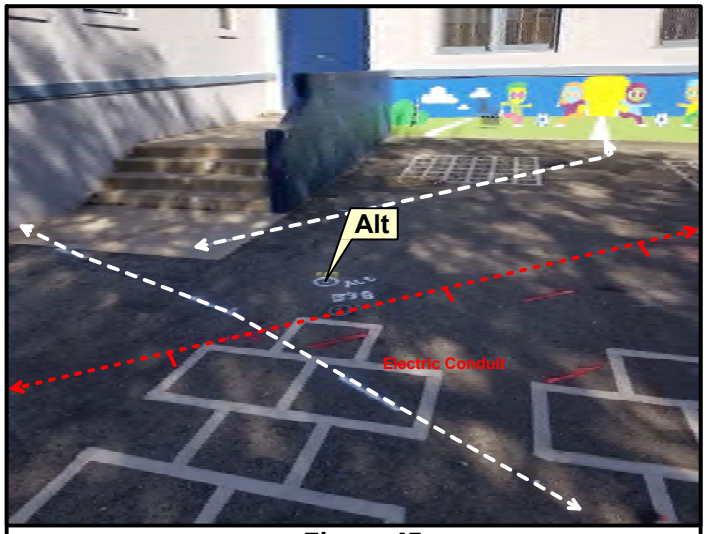


Figure 44

Sub Surface Surveys	SITE: **49th Street Elementary School** **750 East 49th Street** **Los Angeles, California 90043**	TITLE: **Site Photographs**	SURVEY DATE: **February 18 & 20, 2023**
		PREPARED FOR: **Ninyo & Moore**	SSS PROJECT NO: **23-058**



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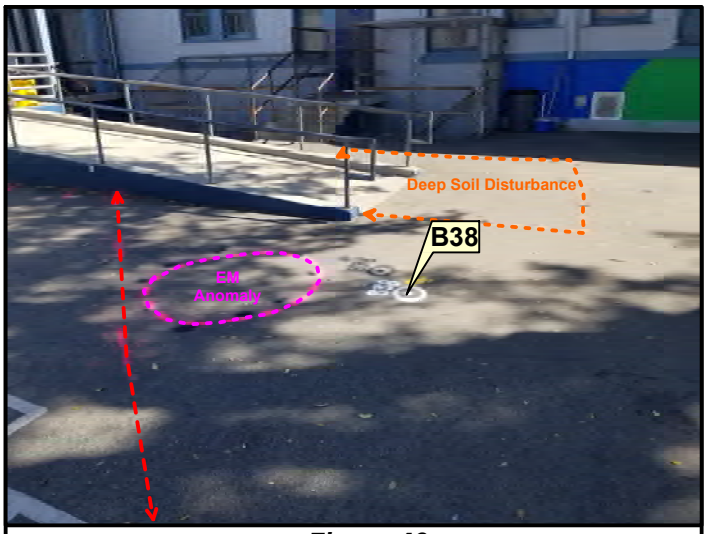


Figure 46

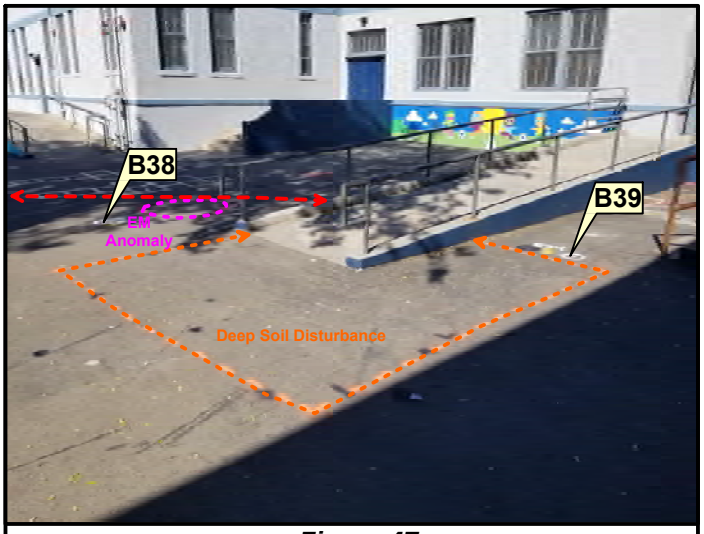
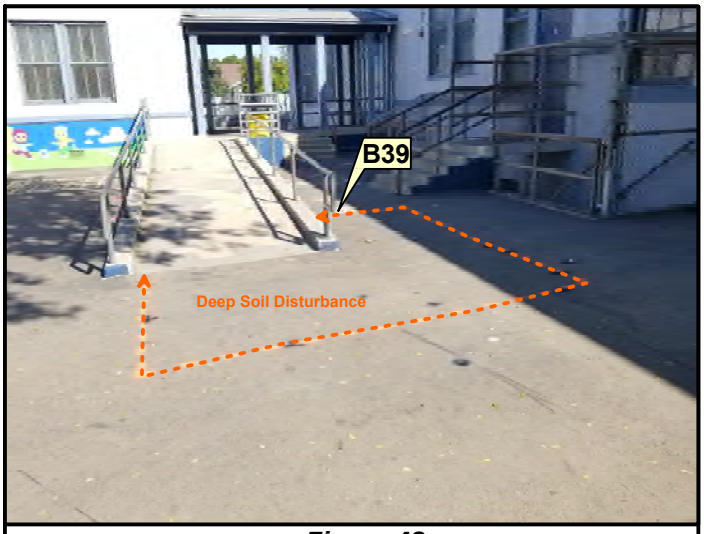


Figure 47



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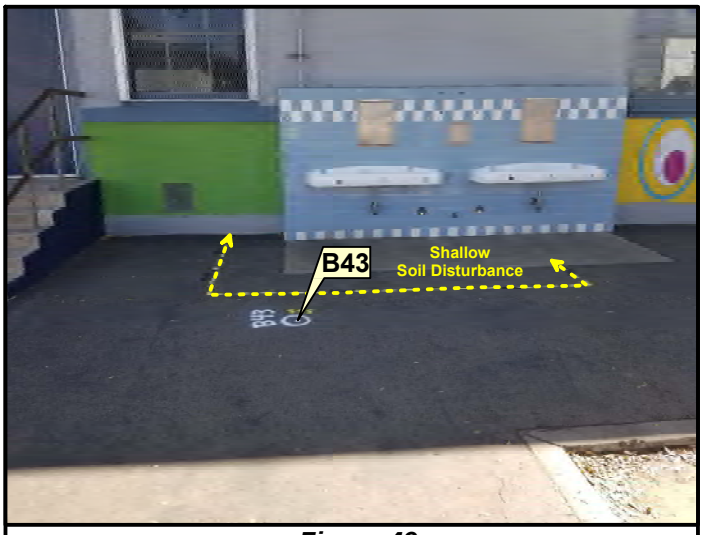

Figure 49



Figure 50

Sub Surface Surveys	SITE: **49th Street Elementary School** **750 East 49th Street** **Los Angeles, California 90043**	TITLE: **Site Photographs**	SURVEY DATE: **February 18 & 20, 2023**
		PREPARED FOR: **Ninyo & Moore**	SSS PROJECT NO: **23-058**

APPENDIX E

Signed Non-Hazardous Waste Manifest

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Generator and/or Consultant

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
/ /			A07		

Generator's Name and Billing Address: L.A.U.S.D. - OEHS 333 S. BEAUDRY AVE. 21ST FLOOR LOS ANGELES, CA 90017	Generator's Phone #: 213-241-3199	CAD982025165
	Person to Contact:	
	FAX#:	Customer Account Number
Consultant's Name and Billing Address:	Consultant's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number
Generation Site (Transport from): *(name & address)* LAUSD - 49TH STREET ELEMENTARY SCHOOL 750 E. 49TH ST. LOS ANGELES, CA 90011	Site Phone #:	
	Person to Contact:	
	FAX#:	
Designated Facility (Transport to): *(name & address)* SOIL SAFE 12328 HIBISCUS AVENUE ADELANTO, CA 92301	Facility Phone #: (800) 862-8001	
	Person to Contact: JOE PROVANSAL	
	FAX#: (760) 246-8004	
Transporter Name and Mailing Address: BELSHIRE 25971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 355449	Transporter's Phone #: 949-460-5200	CAR000183913
	Person to Contact: LARRY MOOTHART	1629169
	FAX#: 949-460-5210	Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐	3 DM				
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					

List any exception to items listed above: Scale Ticket #

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☐ Consultant ☐	Signature and date:	Month	Day	Year
[illegible]	[illegible] on behalf of LAUSD OEHS	06	13	23

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:	Signature and date:	Month	Day	Year
Frank Salazar		6	13	23

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:	Signature and date:
Joe Provansal / Barry Meek / Bill Bishop	

Please print or type.

GENERATOR/CONSULTANTS COPY

APPENDIX F

Laboratory Reports

Orange Coast Analytical, Inc.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.:2576
Expiration Date: 2023
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:
Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 27693
Project Name:	LAUSD 49th Street PEA
Project Number:	211936010
Date Received:	2/20/2023
Date Reported:	3/1/2023
Chain of Custody Received:	☑
Analytical Method:	8015B, 8081A, 8260B, 8270C, 6010B, 7471A,

Mark Noorani, Laboratory Director

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Rev1.0

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 2ºC, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B2-0.5	27693-001	2/20/2023	2/18/2023	Soil
B2-2.5	27693-002	2/20/2023	2/18/2023	Soil
B1-0.5	27693-003	2/20/2023	2/18/2023	Soil
B1-2.5	27693-004	2/20/2023	2/18/2023	Soil
B3-0.5	27693-005	2/20/2023	2/18/2023	Soil
B3-2.5	27693-006	2/20/2023	2/18/2023	Soil
B4-0.5	27693-007	2/20/2023	2/18/2023	Soil
B4-2.5	27693-008	2/20/2023	2/18/2023	Soil
B22-0.5	27693-009	2/20/2023	2/18/2023	Soil
B22-2.5	27693-010	2/20/2023	2/18/2023	Soil
B22-5	27693-011	2/20/2023	2/18/2023	Soil
B42-2.5	27693-012	2/20/2023	2/18/2023	Soil
B42-5	27693-013	2/20/2023	2/18/2023	Soil
B41-2.5	27693-014	2/20/2023	2/18/2023	Soil
B41-5	27693-015	2/20/2023	2/18/2023	Soil
B40-2.5	27693-016	2/20/2023	2/18/2023	Soil
B5-0.5	27693-017	2/20/2023	2/18/2023	Soil
B5-2.5	27693-018	2/20/2023	2/18/2023	Soil
B6-0.5	27693-019	2/20/2023	2/18/2023	Soil
B6-2.5	27693-020	2/20/2023	2/18/2023	Soil
B40-5	27693-021	2/20/2023	2/18/2023	Soil
B8-05	27693-022	2/20/2023	2/18/2023	Soil
B8-2.5	27693-023	2/20/2023	2/18/2023	Soil
B7-0.5	27693-024	2/20/2023	2/18/2023	Soil
B7-2.5	27693-025	2/20/2023	2/18/2023	Soil
B12-0.5	27693-026	2/20/2023	2/18/2023	Soil
B12-2.5	27693-027	2/20/2023	2/18/2023	Soil
B11-0.5	27693-028	2/20/2023	2/18/2023	Soil
B11-2.5	27693-029	2/20/2023	2/18/2023	Soil
B9-0.5	27693-030	2/20/2023	2/18/2023	Soil
B9-2.5	27693-031	2/20/2023	2/18/2023	Soil
B13-0.5	27693-032	2/20/2023	2/18/2023	Soil
B13-2.5	27693-033	2/20/2023	2/18/2023	Soil
B14-0.5	27693-034	2/20/2023	2/18/2023	Soil
B14-2.5	27693-035	2/20/2023	2/18/2023	Soil
B17-0.5	27693-036	2/20/2023	2/18/2023	Soil
B17-2.5	27693-037	2/20/2023	2/18/2023	Soil
B15-0.5	27693-038	2/20/2023	2/18/2023	Soil

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B15-2.5	27693-039	2/20/2023	2/18/2023	Soil
B16-0.5	27693-040	2/20/2023	2/18/2023	Soil
B16-205	27693-041	2/20/2023	2/18/2023	Soil
B18-0.5	27693-042	2/20/2023	2/18/2023	Soil
B18-2.5	27693-043	2/20/2023	2/18/2023	Soil
B10-0.5	27693-044	2/20/2023	2/18/2023	Soil
B10-2.5	27693-045	2/20/2023	2/18/2023	Soil
Composite 1	27693-046	2/20/2023	2/18/2023	Soil
Composite 2	27693-047	2/20/2023	2/18/2023	Soil
Composite 3	27693-048	2/20/2023	2/18/2023	Soil
Composite 4	27693-049	2/20/2023	2/18/2023	Soil
Composite 5	27693-050	2/20/2023	2/18/2023	Soil
Composite 6	27693-051	2/20/2023	2/18/2023	Soil
Composite 7	27693-052	2/20/2023	2/18/2023	Soil
Composite 8	27693-053	2/20/2023	2/18/2023	Soil
Composite 9	27693-054	2/20/2023	2/18/2023	Soil
Composite 10	27693-055	2/20/2023	2/18/2023	Soil
Composite 11	27693-056	2/20/2023	2/18/2023	Soil
Composite 12	27693-057	2/20/2023	2/18/2023	Soil

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Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B42-2.5	27693-012	2/20/2023 16:11	2/18/2023 9:58	2/22/2023 11:30	2/22/2023 20:02	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	106

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 40-160 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B42-2.5	27693-012	2/20/2023 16:11	2/18/2023 9:58	2/22/2023 11:30	2/22/2023 20:02	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	67	Octacosane	106

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 40-160 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B41-2.5	27693-014	2/20/2023 16:11	2/18/2023 10:11	2/22/2023 11:30	2/22/2023 20:46	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	14	Octacosane	100

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 40-160 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B41-2.5	27693-014	2/20/2023 16:11	2/18/2023 10:11	2/22/2023 11:30	2/22/2023 20:46	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	75	Octacosane	100

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 40-160 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B40-2.5	27693-016	2/20/2023 16:11	2/18/2023 10:39	2/22/2023 11:30	2/22/2023 21:29	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	103

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 40-160 %

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Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B40-2.5	27693-016	2/20/2023 16:11	2/18/2023 10:39	2/22/2023 11:30	2/22/2023 21:29	Soil

ANALYTE	mg/kg
MROs	140

Surrogate:	% RC*
Octacosane	103

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 40-160 %

Method Blank	MBRC0222231			2/22/2023 11:30	2/22/2023 15:00	Soil

ANALYTE	mg/kg
DROs	<10

Surrogate:	% RC*
Octacosane	103

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 40-160 %

Method Blank	MBRC0222231			2/22/2023 11:30	2/22/2023 15:00	Soil

ANALYTE	mg/kg
MROs	<50

Surrogate:	% RC*
Octacosane	103

Dilution Factor: 1
Data Qualifiers: None
* Acc Recovery: 40-160 %

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Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B42-2.5	27693-012	2/20/2023 16:11	2/18/2023 9:58	2/18/2023 9:58	2/21/2023 18:23	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	94

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B41-2.5	27693-014	2/20/2023 16:11	2/18/2023 10:11	2/18/2023 10:11	2/21/2023 18:43	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	102

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B40-2.5	27693-016	2/20/2023 16:11	2/18/2023 10:39	2/18/2023 10:39	2/21/2023 19:02	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	75

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBLY0221231			2/21/2023 12:00	2/21/2023 12:51	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	113

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Project #: 211936010

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Composite 1	27693-046	2/20/2023 16:11	2/18/2023	2/21/2023 10:30	2/24/2023 12:19	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<8.0
alpha-BHC	319-84-6	<20
beta-BHC	319-85-7	<20
gamma-BHC (Lindane)	58-89-9	<20
delta-BHC	319-86-8	<40
Chlordane	57-74-9	<120
4,4'-DDD	72-54-8	<40
4,4'-DDE	72-55-9	<20
4,4'-DDT	50-29-3	<40
Dieldrin	60-57-1	<8.0
Endosulfan I	959-98-8	<40
Endosulfan II	33213-65-9	<20
Endosulfan sulfate	1031-07-8	<40
Endrin	72-20-8	<40
Endrin aldehyde	7421-93-4	<40
Endrin ketone	53494-70-5	<20
Heptachlor	76-44-8	<8.0
Heptachlor epoxide	1024-57-3	<20
Methoxychlor	72-43-5	<40
Toxaphene	8001-35-2	<160

Surrogate:	% RC*
Decachlorobiphenyl	75

* Acceptable Recovery: 35-130 %

Dilution Factor: 4

Data Qualifiers: D1,

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Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Composite 2	27693-047	2/20/2023 16:11	2/18/2023	2/21/2023 10:30	2/24/2023 12:05	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	81

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Project Name: LAUSD 49th Street PEA
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Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Composite 3	27693-048	2/20/2023 16:11	2/18/2023	2/21/2023 10:30	2/24/2023 12:34	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<8.0
alpha-BHC	319-84-6	<20
beta-BHC	319-85-7	<20
gamma-BHC (Lindane)	58-89-9	<20
delta-BHC	319-86-8	<40
Chlordane	57-74-9	<120
4,4'-DDD	72-54-8	<40
4,4'-DDE	72-55-9	<20
4,4'-DDT	50-29-3	<40
Dieldrin	60-57-1	<8.0
Endosulfan I	959-98-8	<40
Endosulfan II	33213-65-9	<20
Endosulfan sulfate	1031-07-8	<40
Endrin	72-20-8	<40
Endrin aldehyde	7421-93-4	<40
Endrin ketone	53494-70-5	<20
Heptachlor	76-44-8	<8.0
Heptachlor epoxide	1024-57-3	<20
Methoxychlor	72-43-5	<40
Toxaphene	8001-35-2	<160

Surrogate:	% RC*
Decachlorobiphenyl	74

* Acceptable Recovery: 35-130 %

Dilution Factor: 4

Data Qualifiers: D1,

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Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Composite 4	27693-049	2/20/2023 16:11	2/18/2023	2/21/2023 10:30	2/24/2023 12:48	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	77

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Project Name: LAUSD 49th Street PEA
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Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Composite 5	27693-050	2/20/2023 16:11	2/18/2023	2/21/2023 10:30	2/24/2023 13:03	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	74

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Project Name: LAUSD 49th Street PEA
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Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Composite 6	27693-051	2/20/2023 16:11	2/18/2023	2/21/2023 10:30	2/24/2023 13:17	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	73

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Project Name: LAUSD 49th Street PEA
Project #: 211936010

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Composite 7	27693-052	2/20/2023 16:11	2/18/2023	2/21/2023 10:30	2/24/2023 13:32	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	75

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Project Name: LAUSD 49th Street PEA
Project #: 211936010

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Composite 8	27693-053	2/20/2023 16:11	2/18/2023	2/21/2023 10:30	2/24/2023 13:47	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	76

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Composite 9	27693-054	2/20/2023 16:11	2/18/2023	2/21/2023 10:30	2/24/2023 14:01	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<10
alpha-BHC	319-84-6	<25
beta-BHC	319-85-7	<25
gamma-BHC (Lindane)	58-89-9	<25
delta-BHC	319-86-8	<50
Chlordane	57-74-9	<150
4,4'-DDD	72-54-8	<50
4,4'-DDE	72-55-9	<25
4,4'-DDT	50-29-3	<50
Dieldrin	60-57-1	<10
Endosulfan I	959-98-8	<50
Endosulfan II	33213-65-9	<25
Endosulfan sulfate	1031-07-8	<50
Endrin	72-20-8	<50
Endrin aldehyde	7421-93-4	<50
Endrin ketone	53494-70-5	<25
Heptachlor	76-44-8	<10
Heptachlor epoxide	1024-57-3	<25
Methoxychlor	72-43-5	<50
Toxaphene	8001-35-2	<200

Surrogate:	% RC*
Decachlorobiphenyl	72

* Acceptable Recovery: 35-130 %

Dilution Factor: 5

Data Qualifiers: D1,

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Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Composite 10	27693-055	2/20/2023 16:11	2/18/2023	2/21/2023 10:30	2/24/2023 14:16	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	73

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Composite 11	27693-056	2/20/2023 16:11	2/18/2023	2/21/2023 10:30	2/24/2023 14:30	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<10
alpha-BHC	319-84-6	<25
beta-BHC	319-85-7	<25
gamma-BHC (Lindane)	58-89-9	<25
delta-BHC	319-86-8	<50
Chlordane	57-74-9	<150
4,4'-DDD	72-54-8	<50
4,4'-DDE	72-55-9	<25
4,4'-DDT	50-29-3	<50
Dieldrin	60-57-1	<10
Endosulfan I	959-98-8	<50
Endosulfan II	33213-65-9	<25
Endosulfan sulfate	1031-07-8	<50
Endrin	72-20-8	<50
Endrin aldehyde	7421-93-4	<50
Endrin ketone	53494-70-5	<25
Heptachlor	76-44-8	<10
Heptachlor epoxide	1024-57-3	<25
Methoxychlor	72-43-5	<50
Toxaphene	8001-35-2	<200

Surrogate:	% RC*
Decachlorobiphenyl	75

* Acceptable Recovery: 35-130 %

Dilution Factor: 5

Data Qualifiers: D1,

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Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Composite 12	27693-057	2/20/2023 16:11	2/18/2023	2/21/2023 10:30	2/24/2023 14:45	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	74

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBVV0221231			2/21/2023 10:30	2/24/2023 10:52	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	86

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B42-2.5	27693-012	2/20/2023 16:11	2/18/2023 9:58	2/18/2023 9:58	2/22/2023 14:56	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	113	65-130 %
Toluene-d8:	83	58-130 %
4-Bromofluorobenzene:	76	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B41-2.5	27693-014	2/20/2023 16:11	2/18/2023 10:11	2/18/2023 10:11	2/22/2023 15:17	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	110	65-130 %
Toluene-d8:	86	58-130 %
4-Bromofluorobenzene:	76	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B40-2.5	27693-016	2/20/2023 16:11	2/18/2023 10:39	2/18/2023 10:39	2/22/2023 15:39	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	113	65-130 %
Toluene-d8:	84	58-130 %
4-Bromofluorobenzene:	73	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT0221233			2/21/2023 15:00	2/22/2023 10:55	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	111	65-130 %
Toluene-d8:	86	58-130 %
4-Bromofluorobenzene:	77	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polynuclear Aromatic Hydrocarbons by SIM (EPA 8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B2-0.5	27693-001	2/20/2023 16:11	2/18/2023 8:50	2/21/2023 10:20	2/21/2023 17:58	Soil

ANALYTE	CAS #	µg/kg
Acenaphthene:	83-32-9	<50
Acenaphthylene:	208-96-8	<50
Anthracene:	120-12-7	<50
Benz(a)anthracene:	56-55-3	<50
Benzo(a)pyrene:	50-32-8	<50
Benzo(b)fluoranthene:	205-99-2	<50
Benzo(k)fluoranthene:	207-08-9	<50
Benzo(g,h,i)perylene:	191-24-2	<50
Chrysene:	218-01-9	<50
Dibenz(a,h)anthracene:	53-70-3	<60
Fluoranthene:	206-44-0	<65
Pyrene:	129-00-0	<65
Fluorene:	86-73-7	<50
Phenanthrene:	85-01-8	<50
Indeno(1,2,3-cd)pyrene:	193-39-5	<50
Naphthalene:	91-20-3	<50

Surrogate:	% RC*
Nitrobenzene-d5	68

* Acceptable Recovery: 13-182 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B3-0.5	27693-005	2/20/2023 16:11	2/18/2023 9:23	2/21/2023 10:20	2/21/2023 18:30	Soil

ANALYTE	CAS #	µg/kg
Acenaphthene:	83-32-9	<50
Acenaphthylene:	208-96-8	<50
Anthracene:	120-12-7	<50
Benz(a)anthracene:	56-55-3	<50
Benzo(a)pyrene:	50-32-8	<50
Benzo(b)fluoranthene:	205-99-2	<50
Benzo(k)fluoranthene:	207-08-9	<50
Benzo(g,h,i)perylene:	191-24-2	<50
Chrysene:	218-01-9	<50
Dibenz(a,h)anthracene:	53-70-3	<60
Fluoranthene:	206-44-0	<65
Pyrene:	129-00-0	<65
Fluorene:	86-73-7	<50
Phenanthrene:	85-01-8	<50
Indeno(1,2,3-cd)pyrene:	193-39-5	<50
Naphthalene:	91-20-3	<50

Surrogate:	% RC*
Nitrobenzene-d5	74

* Acceptable Recovery: 13-182 %

Dilution Factor: 1
Data Qualifiers: None

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polynuclear Aromatic Hydrocarbons by SIM (EPA 8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B5-0.5	27693-017	2/20/2023 16:11	2/18/2023 11:02	2/21/2023 10:20	2/21/2023 19:02	Soil

ANALYTE	CAS #	µg/kg
Acenaphthene:	83-32-9	<50
Acenaphthylene:	208-96-8	<50
Anthracene:	120-12-7	<50
Benz(a)anthracene:	56-55-3	<50
Benzo(a)pyrene:	50-32-8	<50
Benzo(b)fluoranthene:	205-99-2	<50
Benzo(k)fluoranthene:	207-08-9	<50
Benzo(g,h,i)perylene:	191-24-2	<50
Chrysene:	218-01-9	<50
Dibenz(a,h)anthracene:	53-70-3	<60
Fluoranthene:	206-44-0	<65
Pyrene:	129-00-0	<65
Fluorene:	86-73-7	<50
Phenanthrene:	85-01-8	<50
Indeno(1,2,3-cd)pyrene:	193-39-5	<50
Naphthalene:	91-20-3	<50

Surrogate:	% RC*
Nitrobenzene-d5	102

* Acceptable Recovery: 13-182 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B8-05	27693-022	2/20/2023 16:11	2/18/2023 12:48	2/21/2023 10:20	2/21/2023 19:33	Soil

ANALYTE	CAS #	µg/kg
Acenaphthene:	83-32-9	<50
Acenaphthylene:	208-96-8	<50
Anthracene:	120-12-7	<50
Benz(a)anthracene:	56-55-3	<50
Benzo(a)pyrene:	50-32-8	<50
Benzo(b)fluoranthene:	205-99-2	<50
Benzo(k)fluoranthene:	207-08-9	<50
Benzo(g,h,i)perylene:	191-24-2	<50
Chrysene:	218-01-9	<50
Dibenz(a,h)anthracene:	53-70-3	<60
Fluoranthene:	206-44-0	<65
Pyrene:	129-00-0	<65
Fluorene:	86-73-7	<50
Phenanthrene:	85-01-8	<50
Indeno(1,2,3-cd)pyrene:	193-39-5	<50
Naphthalene:	91-20-3	<50

Surrogate:	% RC*
Nitrobenzene-d5	101

* Acceptable Recovery: 13-182 %

Dilution Factor: 1
Data Qualifiers: None

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Polynuclear Aromatic Hydrocarbons by SIM (EPA 8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B12-0.5	27693-026	2/20/2023 16:11	2/18/2023 13:02	2/21/2023 10:20	2/21/2023 17:26	Soil

ANALYTE	CAS #	µg/kg
Acenaphthene:	83-32-9	<50
Acenaphthylene:	208-96-8	<50
Anthracene:	120-12-7	<50
Benz(a)anthracene:	56-55-3	<50
Benzo(a)pyrene:	50-32-8	<50
Benzo(b)fluoranthene:	205-99-2	<50
Benzo(k)fluoranthene:	207-08-9	<50
Benzo(g,h,i)perylene:	191-24-2	<50
Chrysene:	218-01-9	<50
Dibenz(a,h)anthracene:	53-70-3	<60
Fluoranthene:	206-44-0	<65
Pyrene:	129-00-0	<65
Fluorene:	86-73-7	<50
Phenanthrene:	85-01-8	<50
Indeno(1,2,3-cd)pyrene:	193-39-5	<50
Naphthalene:	91-20-3	<50

Surrogate:	% RC*
Nitrobenzene-d5	102

* Acceptable Recovery: 13-182 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B9-0.5	27693-030	2/20/2023 16:11	2/18/2023 13:20	2/21/2023 10:20	2/21/2023 20:06	Soil

ANALYTE	CAS #	µg/kg
Acenaphthene:	83-32-9	<50
Acenaphthylene:	208-96-8	<50
Anthracene:	120-12-7	<50
Benz(a)anthracene:	56-55-3	<50
Benzo(a)pyrene:	50-32-8	<50
Benzo(b)fluoranthene:	205-99-2	<50
Benzo(k)fluoranthene:	207-08-9	<50
Benzo(g,h,i)perylene:	191-24-2	<50
Chrysene:	218-01-9	<50
Dibenz(a,h)anthracene:	53-70-3	<60
Fluoranthene:	206-44-0	<65
Pyrene:	129-00-0	<65
Fluorene:	86-73-7	<50
Phenanthrene:	85-01-8	<50
Indeno(1,2,3-cd)pyrene:	193-39-5	<50
Naphthalene:	91-20-3	<50

Surrogate:	% RC*
Nitrobenzene-d5	93

* Acceptable Recovery: 13-182 %

Dilution Factor: 1
Data Qualifiers: None

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Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polynuclear Aromatic Hydrocarbons by SIM (EPA 8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B14-0.5	27693-034	2/20/2023 16:11	2/18/2023 13:40	2/21/2023 10:20	2/21/2023 20:37	Soil

ANALYTE	CAS #	µg/kg
Acenaphthene:	83-32-9	<50
Acenaphthylene:	208-96-8	<50
Anthracene:	120-12-7	<50
Benz(a)anthracene:	56-55-3	<50
Benzo(a)pyrene:	50-32-8	<50
Benzo(b)fluoranthene:	205-99-2	<50
Benzo(k)fluoranthene:	207-08-9	<50
Benzo(g,h,i)perylene:	191-24-2	<50
Chrysene:	218-01-9	<50
Dibenz(a,h)anthracene:	53-70-3	<60
Fluoranthene:	206-44-0	<65
Pyrene:	129-00-0	<65
Fluorene:	86-73-7	<50
Phenanthrene:	85-01-8	<50
Indeno(1,2,3-cd)pyrene:	193-39-5	<50
Naphthalene:	91-20-3	<50

Surrogate:	% RC*
Nitrobenzene-d5	75

* Acceptable Recovery: 13-182 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B15-0.5	27693-038	2/20/2023 16:11	2/18/2023 13:57	2/21/2023 10:20	2/21/2023 21:10	Soil

ANALYTE	CAS #	µg/kg
Acenaphthene:	83-32-9	<50
Acenaphthylene:	208-96-8	<50
Anthracene:	120-12-7	<50
Benz(a)anthracene:	56-55-3	<50
Benzo(a)pyrene:	50-32-8	<50
Benzo(b)fluoranthene:	205-99-2	<50
Benzo(k)fluoranthene:	207-08-9	<50
Benzo(g,h,i)perylene:	191-24-2	<50
Chrysene:	218-01-9	<50
Dibenz(a,h)anthracene:	53-70-3	<60
Fluoranthene:	206-44-0	<65
Pyrene:	129-00-0	<65
Fluorene:	86-73-7	<50
Phenanthrene:	85-01-8	<50
Indeno(1,2,3-cd)pyrene:	193-39-5	<50
Naphthalene:	91-20-3	<50

Surrogate:	% RC*
Nitrobenzene-d5	76

* Acceptable Recovery: 13-182 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
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Polynuclear Aromatic Hydrocarbons by SIM (EPA 8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B18-0.5	27693-042	2/20/2023 16:11	2/18/2023 14:12	2/21/2023 10:20	2/21/2023 21:42	Soil

ANALYTE	CAS #	µg/kg
Acenaphthene:	83-32-9	<50
Acenaphthylene:	208-96-8	<50
Anthracene:	120-12-7	<50
Benz(a)anthracene:	56-55-3	<50
Benzo(a)pyrene:	50-32-8	<50
Benzo(b)fluoranthene:	205-99-2	<50
Benzo(k)fluoranthene:	207-08-9	<50
Benzo(g,h,i)perylene:	191-24-2	<50
Chrysene:	218-01-9	<50
Dibenz(a,h)anthracene:	53-70-3	<60
Fluoranthene:	206-44-0	<65
Pyrene:	129-00-0	<65
Fluorene:	86-73-7	<50
Phenanthrene:	85-01-8	<50
Indeno(1,2,3-cd)pyrene:	193-39-5	<50
Naphthalene:	91-20-3	<50

Surrogate:	% RC*
Nitrobenzene-d5	67

* Acceptable Recovery: 13-182 %

Dilution Factor: 1
Data Qualifiers: None

Method Blank	MBGS0221231			2/21/2023 10:20	2/21/2023 14:46	Soil

ANALYTE	CAS #	µg/kg
Acenaphthene:	83-32-9	<50
Acenaphthylene:	208-96-8	<50
Anthracene:	120-12-7	<50
Benz(a)anthracene:	56-55-3	<50
Benzo(a)pyrene:	50-32-8	<50
Benzo(b)fluoranthene:	205-99-2	<50
Benzo(k)fluoranthene:	207-08-9	<50
Benzo(g,h,i)perylene:	191-24-2	<50
Chrysene:	218-01-9	<50
Dibenz(a,h)anthracene:	53-70-3	<60
Fluoranthene:	206-44-0	<65
Pyrene:	129-00-0	<65
Fluorene:	86-73-7	<50
Phenanthrene:	85-01-8	<50
Indeno(1,2,3-cd)pyrene:	193-39-5	<50
Naphthalene:	91-20-3	<50

Surrogate:	% RC*
Nitrobenzene-d5	117

* Acceptable Recovery: 13-182 %

Dilution Factor: 1
Data Qualifiers: None

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B2-0.5	27693-001	2/20/2023 16:11	2/18/2023 8:50	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 14:49	--	1
Arsenic	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 14:49	--	1
Barium	6010B	84	mg/kg	02/21/23 09:40	02/23/23 14:49	--	1
Beryllium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:49	--	1
Cadmium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:49	--	1
Chromium	6010B	12	mg/kg	02/21/23 09:40	02/23/23 14:49	--	1
Cobalt	6010B	6.9	mg/kg	02/21/23 09:40	02/23/23 14:49	--	1
Copper	6010B	9.7	mg/kg	02/21/23 09:40	02/23/23 14:49	--	1
Lead	6010B	17	mg/kg	02/21/23 09:40	02/23/23 14:49	--	1
Mercury	7471A	0.22	mg/kg	02/21/23 17:00	02/23/23 13:32	--	1
Molybdenum	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 14:49	--	1
Nickel	6010B	7.1	mg/kg	02/21/23 09:40	02/23/23 14:49	--	1
Selenium	6010B	<4.8	mg/kg	02/21/23 09:40	02/23/23 14:49	--	1
Silver	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:49	--	1
Thallium	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 14:49	--	1
Vanadium	6010B	28	mg/kg	02/21/23 09:40	02/23/23 14:49	--	1
Zinc	6010B	48	mg/kg	02/21/23 09:40	02/23/23 14:49	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B1-0.5	27693-003	2/20/2023 16:11	2/18/2023 9:02	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	<2.0	mg/kg	02/21/23 10:15	02/23/23 12:03	--	1
Lead	6010B	5.6	mg/kg	02/21/23 10:15	02/23/23 12:03	--	1

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Lab Reference #: NAM 27693
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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B3-0.5	27693-005	2/20/2023 16:11	2/18/2023 9:23	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 14:52	--	1
Arsenic	6010B	52	mg/kg	02/21/23 09:40	02/23/23 14:52	--	1
Barium	6010B	92	mg/kg	02/21/23 09:40	02/23/23 14:52	--	1
Beryllium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:52	--	1
Cadmium	6010B	1.6	mg/kg	02/21/23 09:40	02/23/23 14:52	--	1
Chromium	6010B	13	mg/kg	02/21/23 09:40	02/23/23 14:52	--	1
Cobalt	6010B	7.8	mg/kg	02/21/23 09:40	02/23/23 14:52	--	1
Copper	6010B	12	mg/kg	02/21/23 09:40	02/23/23 14:52	--	1
Lead	6010B	26	mg/kg	02/21/23 09:40	02/23/23 14:52	--	1
Mercury	7471A	<0.10	mg/kg	02/21/23 17:00	02/23/23 13:37	--	1
Molybdenum	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 14:52	--	1
Nickel	6010B	7.7	mg/kg	02/21/23 09:40	02/23/23 14:52	--	1
Selenium	6010B	<4.8	mg/kg	02/21/23 09:40	02/23/23 14:52	--	1
Silver	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:52	--	1
Thallium	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 14:52	--	1
Vanadium	6010B	31	mg/kg	02/21/23 09:40	02/23/23 14:52	--	1
Zinc	6010B	66	mg/kg	02/21/23 09:40	02/23/23 14:52	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B4-0.5	27693-007	2/20/2023 16:11	2/18/2023 9:31	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	700	mg/kg	02/21/23 10:15	02/23/23 12:06	--	1
Lead	6010B	14	mg/kg	02/21/23 10:15	02/23/23 12:06	--	1

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Lab Reference #: NAM 27693
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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B22-0.5	27693-009	2/20/2023 16:11	2/18/2023 9:38	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	64	mg/kg	02/21/23 10:15	02/23/23 12:07	--	1
Lead	6010B	40	mg/kg	02/21/23 10:15	02/23/23 12:07	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B5-0.5	27693-017	2/20/2023 16:11	2/18/2023 11:02	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 14:55	--	1
Arsenic	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 14:55	--	1
Barium	6010B	100	mg/kg	02/21/23 09:40	02/23/23 14:55	--	1
Beryllium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:55	--	1
Cadmium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:55	--	1
Chromium	6010B	16	mg/kg	02/21/23 09:40	02/23/23 14:55	--	1
Cobalt	6010B	10	mg/kg	02/21/23 09:40	02/23/23 14:55	--	1
Copper	6010B	14	mg/kg	02/21/23 09:40	02/23/23 14:55	--	1
Lead	6010B	6.0	mg/kg	02/21/23 09:40	02/23/23 14:55	--	1
Mercury	7471A	<0.10	mg/kg	02/21/23 17:00	02/23/23 13:39	--	1
Molybdenum	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 14:55	--	1
Nickel	6010B	9.6	mg/kg	02/21/23 09:40	02/23/23 14:55	--	1
Selenium	6010B	<4.8	mg/kg	02/21/23 09:40	02/23/23 14:55	--	1
Silver	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:55	--	1
Thallium	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 14:55	--	1
Vanadium	6010B	39	mg/kg	02/21/23 09:40	02/23/23 14:55	--	1
Zinc	6010B	49	mg/kg	02/21/23 09:40	02/23/23 14:55	--	1

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Lab Reference #: NAM 27693
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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B6-0.5	27693-019	2/20/2023 16:11	2/18/2023 11:11	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	<2.0	mg/kg	02/21/23 10:15	02/23/23 12:18	--	1
Lead	6010B	4.4	mg/kg	02/21/23 10:15	02/23/23 12:18	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B8-05	27693-022	2/20/2023 16:11	2/18/2023 12:48	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 14:58	--	1
Arsenic	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 14:58	--	1
Barium	6010B	77	mg/kg	02/21/23 09:40	02/23/23 14:58	--	1
Beryllium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:58	--	1
Cadmium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:58	--	1
Chromium	6010B	11	mg/kg	02/21/23 09:40	02/23/23 14:58	--	1
Cobalt	6010B	7.2	mg/kg	02/21/23 09:40	02/23/23 14:58	--	1
Copper	6010B	9.4	mg/kg	02/21/23 09:40	02/23/23 14:58	--	1
Lead	6010B	4.8	mg/kg	02/21/23 09:40	02/23/23 14:58	--	1
Mercury	7471A	<0.10	mg/kg	02/21/23 17:00	02/23/23 13:41	--	1
Molybdenum	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 14:58	--	1
Nickel	6010B	6.6	mg/kg	02/21/23 09:40	02/23/23 14:58	--	1
Selenium	6010B	<4.8	mg/kg	02/21/23 09:40	02/23/23 14:58	--	1
Silver	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:58	--	1
Thallium	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 14:58	--	1
Vanadium	6010B	27	mg/kg	02/21/23 09:40	02/23/23 14:58	--	1
Zinc	6010B	39	mg/kg	02/21/23 09:40	02/23/23 14:58	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B7-0.5	27693-024	2/20/2023 16:11	2/18/2023 12:54	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	<2.0	mg/kg	02/21/23 10:15	02/23/23 12:21	--	1
Lead	6010B	28	mg/kg	02/21/23 10:15	02/23/23 12:21	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B12-0.5	27693-026	2/20/2023 16:11	2/18/2023 13:02	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:01	--	1
Arsenic	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:01	--	1
Barium	6010B	70	mg/kg	02/21/23 09:40	02/23/23 15:01	--	1
Beryllium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:01	--	1
Cadmium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:01	--	1
Chromium	6010B	10	mg/kg	02/21/23 09:40	02/23/23 15:01	--	1
Cobalt	6010B	6.7	mg/kg	02/21/23 09:40	02/23/23 15:01	--	1
Copper	6010B	9.2	mg/kg	02/21/23 09:40	02/23/23 15:01	--	1
Lead	6010B	18	mg/kg	02/21/23 09:40	02/23/23 15:01	--	1
Mercury	7471A	<0.10	mg/kg	02/21/23 17:00	02/23/23 13:42	--	1
Molybdenum	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 15:01	--	1
Nickel	6010B	6.4	mg/kg	02/21/23 09:40	02/23/23 15:01	--	1
Selenium	6010B	<4.8	mg/kg	02/21/23 09:40	02/23/23 15:01	--	1
Silver	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:01	--	1
Thallium	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:01	--	1
Vanadium	6010B	26	mg/kg	02/21/23 09:40	02/23/23 15:01	--	1
Zinc	6010B	42	mg/kg	02/21/23 09:40	02/23/23 15:01	--	1

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Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B11-0.5	27693-028	2/20/2023 16:11	2/18/2023 13:07	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	6.8	mg/kg	02/21/23 10:15	02/23/23 12:23	--	1
Lead	6010B	55	mg/kg	02/21/23 10:15	02/23/23 12:23	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B9-0.5	27693-030	2/20/2023 16:11	2/18/2023 13:20	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:04	--	1
Arsenic	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:04	--	1
Barium	6010B	74	mg/kg	02/21/23 09:40	02/23/23 15:04	--	1
Beryllium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:04	--	1
Cadmium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:04	--	1
Chromium	6010B	9.0	mg/kg	02/21/23 09:40	02/23/23 15:04	--	1
Cobalt	6010B	6.3	mg/kg	02/21/23 09:40	02/23/23 15:04	--	1
Copper	6010B	9.0	mg/kg	02/21/23 09:40	02/23/23 15:04	--	1
Lead	6010B	9.1	mg/kg	02/21/23 09:40	02/23/23 15:04	--	1
Mercury	7471A	<0.10	mg/kg	02/21/23 17:00	02/23/23 13:44	--	1
Molybdenum	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 15:04	--	1
Nickel	6010B	5.9	mg/kg	02/21/23 09:40	02/23/23 15:04	--	1
Selenium	6010B	<4.8	mg/kg	02/21/23 09:40	02/23/23 15:04	--	1
Silver	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:04	--	1
Thallium	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:04	--	1
Vanadium	6010B	23	mg/kg	02/21/23 09:40	02/23/23 15:04	--	1
Zinc	6010B	39	mg/kg	02/21/23 09:40	02/23/23 15:04	--	1

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Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B13-0.5	27693-032	2/20/2023 16:11	2/18/2023 13:36	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	3.2	mg/kg	02/21/23 10:15	02/23/23 12:26	--	1
Lead	6010B	53	mg/kg	02/21/23 10:15	02/23/23 12:26	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B14-0.5	27693-034	2/20/2023 16:11	2/18/2023 13:40	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:07	--	1
Arsenic	6010B	28	mg/kg	02/21/23 09:40	02/23/23 15:07	--	1
Barium	6010B	110	mg/kg	02/21/23 09:40	02/23/23 15:07	--	1
Beryllium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:07	--	1
Cadmium	6010B	1.2	mg/kg	02/21/23 09:40	02/23/23 15:07	--	1
Chromium	6010B	19	mg/kg	02/21/23 09:40	02/23/23 15:07	--	1
Cobalt	6010B	9.1	mg/kg	02/21/23 09:40	02/23/23 15:07	--	1
Copper	6010B	18	mg/kg	02/21/23 09:40	02/23/23 15:07	--	1
Lead	6010B	32	mg/kg	02/21/23 09:40	02/23/23 15:07	--	1
Mercury	7471A	0.10	mg/kg	02/21/23 17:00	02/23/23 13:49	--	1
Molybdenum	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 15:07	--	1
Nickel	6010B	12	mg/kg	02/21/23 09:40	02/23/23 15:07	--	1
Selenium	6010B	<4.8	mg/kg	02/21/23 09:40	02/23/23 15:07	--	1
Silver	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:07	--	1
Thallium	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:07	--	1
Vanadium	6010B	36	mg/kg	02/21/23 09:40	02/23/23 15:07	--	1
Zinc	6010B	110	mg/kg	02/21/23 09:40	02/23/23 15:07	--	1

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Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B17-0.5	27693-036	2/20/2023 16:11	2/18/2023 13:51	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	6.8	mg/kg	02/21/23 10:15	02/23/23 12:28	--	1
Lead	6010B	31	mg/kg	02/21/23 10:15	02/23/23 12:28	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B15-0.5	27693-038	2/20/2023 16:11	2/18/2023 13:57	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:10	--	1
Arsenic	6010B	5.9	mg/kg	02/21/23 09:40	02/23/23 15:10	--	1
Barium	6010B	100	mg/kg	02/21/23 09:40	02/23/23 15:10	--	1
Beryllium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:10	--	1
Cadmium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:10	--	1
Chromium	6010B	19	mg/kg	02/21/23 09:40	02/23/23 15:10	--	1
Cobalt	6010B	9.6	mg/kg	02/21/23 09:40	02/23/23 15:10	--	1
Copper	6010B	16	mg/kg	02/21/23 09:40	02/23/23 15:10	--	1
Lead	6010B	24	mg/kg	02/21/23 09:40	02/23/23 15:10	--	1
Mercury	7471A	0.13	mg/kg	02/21/23 17:00	02/23/23 13:51	--	1
Molybdenum	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 15:10	--	1
Nickel	6010B	13	mg/kg	02/21/23 09:40	02/23/23 15:10	--	1
Selenium	6010B	<4.8	mg/kg	02/21/23 09:40	02/23/23 15:10	--	1
Silver	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:10	--	1
Thallium	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:10	--	1
Vanadium	6010B	39	mg/kg	02/21/23 09:40	02/23/23 15:10	--	1
Zinc	6010B	79	mg/kg	02/21/23 09:40	02/23/23 15:10	--	1

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Lab Reference #: NAM 27693
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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B16-0.5	27693-040	2/20/2023 16:11	2/18/2023 14:09	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	7.9	mg/kg	02/21/23 10:15	02/23/23 12:31	--	1
Lead	6010B	92	mg/kg	02/21/23 10:15	02/23/23 12:31	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B18-0.5	27693-042	2/20/2023 16:11	2/18/2023 14:12	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:13	--	1
Arsenic	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:13	--	1
Barium	6010B	110	mg/kg	02/21/23 09:40	02/23/23 15:13	--	1
Beryllium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:13	--	1
Cadmium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:13	--	1
Chromium	6010B	18	mg/kg	02/21/23 09:40	02/23/23 15:13	--	1
Cobalt	6010B	8.3	mg/kg	02/21/23 09:40	02/23/23 15:13	--	1
Copper	6010B	13	mg/kg	02/21/23 09:40	02/23/23 15:13	--	1
Lead	6010B	36	mg/kg	02/21/23 09:40	02/23/23 15:13	--	1
Mercury	7471A	<0.10	mg/kg	02/21/23 17:00	02/23/23 13:53	--	1
Molybdenum	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 15:13	--	1
Nickel	6010B	9.2	mg/kg	02/21/23 09:40	02/23/23 15:13	--	1
Selenium	6010B	<4.8	mg/kg	02/21/23 09:40	02/23/23 15:13	--	1
Silver	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:13	--	1
Thallium	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:13	--	1
Vanadium	6010B	34	mg/kg	02/21/23 09:40	02/23/23 15:13	--	1
Zinc	6010B	90	mg/kg	02/21/23 09:40	02/23/23 15:13	--	1

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Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B10-0.5	27693-044	2/20/2023 16:11	2/18/2023 14:20	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	2.6	mg/kg	02/21/23 10:15	02/23/23 12:34	--	1
Lead	6010B	91	mg/kg	02/21/23 10:15	02/23/23 12:34	--	1

Method Blank — Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBHV0221231	Antimony	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Arsenic	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Barium	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Beryllium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Cadmium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Chromium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Cobalt	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Copper	6010B	<5.0	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Lead	6010B	<0.80	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221233	Mercury	7471A	<0.10	mg/kg	02/21/23 17:00	02/23/23 13:23	--	1
MBHV0221231	Molybdenum	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Nickel	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Selenium	6010B	<4.8	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Silver	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Thallium	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Vanadium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Zinc	6010B	<5.0	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1

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Lab Reference #: NAM 27693
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBHV0221232	Arsenic	6010B	<2.0	mg/kg	02/21/23 10:15	02/23/23 11:49	--	1
MBHV0221232	Lead	6010B	<0.80	mg/kg	02/21/23 10:15	02/23/23 11:49	--	1

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QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)
Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 2/22/2023 11:30
Date of Analysis: 2/22/2023 16:26
Dup Date of Analysis: 2/22/2023 16:48
Laboratory Sample #: 27690-007
MS/MSD Qualifiers: None
Reference #: NAM 27693

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
EFH as Diesel	250	1000	989	849	74	60	15	8-193	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Octacosane	146	129	☐

LCS	LCSD	Qual
103	100	☐

ACP % RC
40-160

Laboratory Control Sample

Date of Extraction: 2/22/2023 11:30
Date of Analysis: 2/22/2023 15:44
Dup Date of Analysis: 2/22/2023 16:05
Laboratory Sample #: RC0222231
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	1000	813	744	81	74	9	17-180	42	☐

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)
Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 2/21/2023 12:00
Date of Analysis: 2/21/2023 14:08
Dup Date of Analysis: 2/21/2023 14:27
Laboratory Sample #: 27689-001
MS/MSD Qualifiers: None
Reference #: NAM 27693

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	0.250	0.240	0.203	96	81	17	20-144	50	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
α-α-α-Trifluorotoluene	100	95	☐

LCS	LCSD	Qual
78	104	☐

ACP % RC
32-153

Laboratory Control Sample

Date of Extraction: 2/21/2023 12:00
Date of Analysis: 2/21/2023 13:11
Dup Date of Analysis: 2/21/2023 13:35
Laboratory Sample #: LY0221231
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	0.250	0.194	0.235	78	94	19	38-130	27	☐

QA/QC Report
for
Organochlorine Pesticides (EPA 8081A)
Reporting Units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 2/22/2023 9:20
Date of Analysis: 2/24/2023 11:36
Dup Date of Analysis: 2/24/2023 11:50
Laboratory Sample #: 27693-047
MS/MSD Qualifiers: None
Reference #: NAM 27693

Analyte	R	Spike Conc.	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Aldrin	0.00	20.0	10.3	9.95	51	50	3	14-130	28	--
alpha-BHC	0.00	20.0	10.2	10.1	51	50	1	13-130	29	--
beta-BHC	0.00	20.0	11.7	11.4	58	57	3	13-140	26	--
gamma-BHC (Lindane)	0.00	20.0	10.8	10.6	54	53	2	15-130	26	--
4,4'-DDD	0.00	20.0	15.5	15.5	77	77	0	18-169	20	--
4,4'-DDE	0.00	20.0	14.5	14.8	73	74	2	30-165	20	--
4,4'-DDT	0.00	20.0	16.0	15.9	80	79	1	34-170	20	--
delta-BHC	0.00	20.0	12.9	13.0	64	65	1	18-143	27	--
Dieldrin	0.00	20.0	12.7	12.9	63	64	2	24-147	20	--
Endosulfan I	0.00	20.0	11.9	12.0	59	60	1	13-158	23	--
Endosulfan II	0.00	20.0	12.9	12.6	64	63	2	19-143	29	--
Endosulfan sulfate	0.00	20.0	11.9	11.2	59	56	6	D-158	59	--
Endrin	0.00	20.0	13.7	13.9	69	69	1	26-156	25	--
Endrin Aldehyde	0.00	20.0	10.1	9.20	50	46	9	D-148	59	--
Endrin ketone	0.00	20.0	11.4	10.9	57	54	4	D-147	36	--
Heptachlor	0.00	20.0	9.79	9.43	49	47	4	10-130	30	--
Heptachlor epoxide	0.00	20.0	11.5	11.6	57	58	1	19-134	24	--
Methoxychlor	0.00	20.0	14.0	14.1	70	71	1	12-165	32	--

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Decachlorobiphenyl	84	84	☐

LCS	LCSD	Qual
88	79	☐

ACP % RC
35-130

Laboratory Control Sample (LCS) / Laboratory Control Sample Duplicate (LCSD)

Date of Extraction: 2/21/2023 10:30
Date of Analysis: 2/24/2023 11:06
Dup Date of Analysis: 2/24/2023 11:21
Laboratory Sample #: VV0221231
LCS/LCSD Qualifiers: R7,

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Aldrin	20.0	11.6	9.32	58	47	22	7-130	31	--
alpha-BHC	20.0	11.6	9.13	58	46	24	10-130	25	--
beta-BHC	20.0	12.1	9.84	61	49	21	12-137	23	--
gamma-BHC (Lindane)	20.0	11.8	9.40	59	47	23	14-130	22	R7,
4,4'-DDD	20.0	16.2	14.6	81	73	10	25-161	20	--
4,4'-DDE	20.0	15.4	12.9	77	64	18	20-154	20	--

QA/QC Report
for
Organochlorine Pesticides (EPA 8081A)

Reporting Units: ppb

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
4,4'-DDT	20.0	16.9	14.7	84	74	14	26-164	20	--
delta-BHC	20.0	13.2	11.6	66	58	13	17-137	24	--
Dieldrin	20.0	13.6	11.5	68	57	17	18-138	21	--
Endosulfan I	20.0	13.8	10.4	69	52	28	14-142	23	R7,
Endosulfan II	20.0	14.3	13.4	72	67	6	18-148	20	--
Endosulfan sulfate	20.0	13.1	13.3	66	67	2	11-159	32	--
Endrin	20.0	14.5	12.2	73	61	17	22-141	21	--
Endrin Aldehyde	20.0	10.9	10.6	54	53	3	2-140	40	--
Endrin ketone	20.0	12.8	12.4	64	62	3	12-145	22	--
Heptachlor	20.0	11.3	8.91	56	45	24	5-130	29	--
Heptachlor epoxide	20.0	12.4	10.1	62	50	20	14-130	22	--
Methoxychlor	20.0	15.4	12.2	77	61	23	29-157	20	R7,

QA/QC Report
for
Volatile Organic Compounds (8260B)
Reporting Units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 2/22/2023 9:26
Date of Analysis: 2/22/2023 12:23
Dup Date of Analysis: 2/22/2023 12:45
Laboratory Sample #: 27690-006
MS/MSD Qualifiers: None
Reference #: NAM 27693

Analyte	R	Spike Conc.	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Benzene	0.00	10.0	9.84	9.57	98	96	3	70-138	20	--
Chlorobenzene	0.00	10.0	11.0	10.6	110	106	4	70-132	20	--
1,1-Dichloroethene	0.00	10.0	6.13	6.29	61	63	3	46-130	20	--
Toluene	0.00	10.0	9.84	9.23	98	92	6	70-130	20	--
Trichloroethene	0.00	10.0	10.2	9.85	102	99	3	70-135	20	--

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	113	111	☐	112	109	☐	65-130
Toluene-d8	89	86	☐	90	84	☐	58-130
4-Bromofluorobenzene	78	80	☐	86	74	☐	40-135

Laboratory Control Sample (LCS) / Laboratory Control Sample Duplicate (LCSD)

Date of Extraction: 2/22/2023 9:26
Date of Analysis: 2/22/2023 11:39
Dup Date of Analysis: 2/22/2023 12:01
Laboratory Sample #: HT0222231
LCS/LCSD Qualifiers: None

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Benzene	10.0	10.5	9.80	105	98	7	70-134	20	--
Chlorobenzene	10.0	11.6	10.8	116	108	7	70-130	20	--
1,1-Dichloroethene	10.0	7.24	6.73	72	67	7	48-130	20	--
Toluene	10.0	10.3	9.49	103	95	8	70-130	20	--
Trichloroethene	10.0	10.9	10.3	109	103	6	70-132	20	--

QA/QC Report
for
Semi-Volatile Organic Compounds (8270C)
Reporting Units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 2/21/2023 10:20
Date of Analysis: 2/21/2023 16:23
Dup Date of Analysis: 2/21/2023 16:54
Laboratory Sample #: 27693-026
MS/MSD Qualifiers: M2, M2, S1,
Reference #: NAM 27693

Analyte	R	Spike Conc.	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Acenaphthene	0.00	20.0	12.6	12.5	63	63	1	11-138	20	--
Acenaphthylene	0.00	20.0	12.1	12.2	61	61	1	54-130	32	--
Anthracene	0.00	20.0	10.5	10.3	52	51	2	43-130	30	--
Benz(a)anthracene	0.00	20.0	12.7	12.0	63	60	6	42-133	30	--
Benzo(a)pyrene	0.00	20.0	12.9	12.5	64	63	3	32-148	30	--
Benzo(b)fluoranthene	0.00	20.0	17.5	17.2	88	86	2	42-140	30	--
Benzo(g,h,i)perylene	0.00	20.0	14.8	14.4	74	72	3	D-195	30	--
Benzo(k)fluoranthene	0.00	20.0	19.4	20.5	97	102	6	25-146	30	--
Chrysene	0.00	20.0	14.7	14.6	74	73	1	44-140	35	--
Dibenz(a,h)anthracene	0.00	20.0	13.5	13.2	68	66	2	D-200	35	--
Fluoranthene	0.00	20.0	13.6	13.2	68	66	3	43-130	30	--
Fluorene	0.00	20.0	11.9	11.7	59	58	2	70-130	30	M2,
Indeno(1,2,3-cd)pyrene	0.00	20.0	13.7	13.3	69	67	3	D-151	30	--
Naphthalene	0.00	20.0	12.0	11.9	60	59	1	36-130	30	--
Phenanthrene	0.00	20.0	12.1	11.6	61	58	4	70-130	30	M2,
Pyrene	0.00	20.0	15.8	15.6	79	78	1	25-145	20	--

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Nitrobenzene-d5	133	138	☑

LCS	LCSD	Qual
145	136	☑

ACP % RC
8-134

Laboratory Control Sample (LCS) / Laboratory Control Sample Duplicate (LCSD)

Date of Extraction: 2/21/2023 10:20
Date of Analysis: 2/21/2023 15:19
Dup Date of Analysis: 2/21/2023 15:51
Laboratory Sample #: GS0221231
LCS/LCSD Qualifiers: L2, S1,

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Acenaphthene	20.0	14.4	13.8	72	69	4	24-137	20	--
Acenaphthylene	20.0	14.9	14.0	75	70	6	54-126	32	--
Anthracene	20.0	13.4	12.7	67	63	5	43-118	27	--
Benz(a)anthracene	20.0	15.0	14.3	75	72	5	42-133	21	--

QA/QC Report
for
Semi-Volatile Organic Compounds (8270C)

Reporting Units: ppb

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Benzo(a)pyrene	20.0	14.0	13.9	70	69	1	32-148	26	--
Benzo(b)fluoranthene	20.0	20.9	19.9	104	100	5	42-140	28	--
Benzo(g,h,i)perylene	20.0	16.0	16.1	80	81	1	D-195	30	--
Benzo(k)fluoranthene	20.0	19.8	20.4	99	102	3	25-146	22	--
Chrysene	20.0	16.5	16.1	82	81	2	44-140	35	--
Dibenz(a,h)anthracene	20.0	15.1	15.2	75	76	1	D-200	35	--
Fluoranthene	20.0	15.7	15.2	78	76	3	43-121	27	--
Fluorene	20.0	14.1	13.2	71	66	7	72-108	20	L2,
Indeno(1,2,3-cd)pyrene	20.0	15.4	15.4	77	77	0	D-151	30	--
Naphthalene	20.0	13.6	13.3	68	67	2	36-120	25	--
Phenanthrene	20.0	14.4	14.0	72	70	3	70-130	20	--
Pyrene	20.0	17.2	16.7	86	84	3	27-154	20	--

QA/QC Report
for
Metals

Reference #: NAM 27693 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7471A**

Laboratory Sample #: 27693-001 **Date of Extraction:** 02/21/23 09:40

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Antimony	02/23/23 14:33	02/23/23 14:42	0.00	20.0	3.01	3.30	15	16	9	75-125	20	M2,
Arsenic	02/23/23 14:33	02/23/23 14:42	0.00	20.0	18.8	19.0	94	95	1	75-125	20	--
Barium	02/23/23 14:33	02/23/23 14:42	84.0	20.0	101	100	85	80	1	75-125	20	--
Beryllium	02/23/23 14:33	02/23/23 14:42	0.00	20.0	17.5	17.7	88	89	1	75-125	20	--
Cadmium	02/23/23 14:33	02/23/23 14:42	0.00	20.0	16.4	16.7	82	84	2	75-125	20	--
Chromium	02/23/23 14:33	02/23/23 14:42	12.0	20.0	30.9	31.5	94	98	2	75-125	20	--
Cobalt	02/23/23 14:33	02/23/23 14:42	6.90	20.0	24.2	24.8	87	89	2	75-125	20	--
Copper	02/23/23 14:33	02/23/23 14:42	9.70	20.0	27.7	28.2	90	93	2	75-125	20	--
Lead	02/23/23 14:33	02/23/23 14:42	17.0	20.0	34.8	36.5	89	98	5	75-125	20	--
Molybdenum	02/23/23 14:33	02/23/23 14:42	0.00	20.0	16.0	16.2	80	81	1	75-125	20	--
Nickel	02/23/23 14:33	02/23/23 14:42	7.10	20.0	24.5	25.2	87	91	3	75-125	20	--
Selenium	02/23/23 14:33	02/23/23 14:42	0.00	20.0	17.1	16.8	86	84	2	75-125	20	--
Silver	02/23/23 14:33	02/23/23 14:42	0.00	20.0	18.6	18.8	93	94	1	75-125	20	--
Thallium	02/23/23 14:33	02/23/23 14:42	0.00	20.0	13.8	14.0	69	70	1	75-125	20	M2,
Vanadium	02/23/23 14:33	02/23/23 14:42	28.0	20.0	46.8	47.8	94	99	2	75-125	20	--
Zinc	02/23/23 14:33	02/23/23 14:42	48.0	20.0	69.9	70.2	110	111	0	75-125	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **6010B/7471A**

Laboratory Sample #: HV0221231 **Date of Extraction:** 02/21/23 09:40

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Antimony	02/23/23 14:20	02/23/23 14:30	--	20.0	17.3	20.1	86	101	15	80-120	20	--
Arsenic	02/23/23 14:20	02/23/23 14:30	--	20.0	17.1	19.7	86	99	14	80-120	20	--
Barium	02/23/23 14:20	02/23/23 14:30	--	20.0	17.5	20.6	88	103	16	80-120	20	--
Beryllium	02/23/23 14:20	02/23/23 14:30	--	20.0	16.7	19.7	84	99	16	80-120	20	--
Cadmium	02/23/23 17:52	02/23/23 14:30	--	20.0	18.4	18.8	92	94	2	80-120	20	--
Chromium	02/23/23 14:20	02/23/23 14:30	--	20.0	17.6	20.9	88	104	17	80-120	20	--
Cobalt	02/23/23 14:20	02/23/23 14:30	--	20.0	17.4	21.5	87	108	21	80-120	20	R2,
Copper	02/23/23 14:20	02/23/23 14:30	--	20.0	16.4	20.1	82	101	20	80-120	20	--
Lead	02/23/23 14:20	02/23/23 14:30	--	20.0	17.8	20.4	89	102	14	80-120	20	--
Molybdenum	02/23/23 14:20	02/23/23 14:30	--	20.0	16.9	19.5	84	98	14	80-120	20	--
Nickel	02/23/23 14:20	02/23/23 14:30	--	20.0	18.4	21.5	92	108	16	80-120	20	--
Selenium	02/23/23 14:20	02/23/23 14:30	--	20.0	16.1	19.1	81	96	17	80-120	20	--
Silver	02/23/23 14:20	02/23/23 14:30	--	20.0	19.4	20.8	97	104	7	80-120	20	--
Thallium	02/23/23 14:20	02/23/23 14:30	--	20.0	17.8	19.8	89	99	11	80-120	20	--
Vanadium	02/23/23 14:20	02/23/23 14:30	--	20.0	16.3	19.1	81	96	16	80-120	20	--
Zinc	02/23/23 14:20	02/23/23 14:30	--	20.0	17.5	20.2	88	101	14	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7471A**

Laboratory Sample #: 27693-003 **Date of Extraction:** 02/21/23 10:15

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Arsenic	02/23/23 11:56	02/23/23 12:15	0.00	20.0	19.1	20.3	96	101	6	75-125	20	--
Lead	02/23/23 11:56	02/23/23 12:15	5.60	20.0	22.1	23.9	83	91	8	75-125	20	--

QA/QC Report
for
Metals

Reference #: NAM 27693 Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **6010B/7471A**

Laboratory Sample #: HV0221232 **Date of Extraction:** 02/21/23 10:15

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Arsenic	02/23/23 11:51	02/23/23 11:53	--	20.0	18.1	17.8	91	89	2	80-120	20	--
Lead	02/23/23 11:51	02/23/23 11:53	--	20.0	19.3	19.0	96	95	2	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7471A**

Laboratory Sample #: 27693-001 **Date of Extraction:** 02/21/23 17:00

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Mercury	02/23/23 13:34	02/23/23 12:35	0.22	1.00	0.827	0.830	61	61	0	80-120	20	M2,

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **6010B/7471A**

Laboratory Sample #: HV0221233 **Date of Extraction:** 02/21/23 17:00

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Mercury	02/27/23 15:13	02/27/23 15:14	--	1.00	1.13	1.13	113	113	0	80-120	20	--

Data Qualifier Definitions

Qualifier

D1 = Sample required dilution due to matrix.

L2 = The associated blank spike recovery was below laboratory acceptance limits.

GS0221231	8270C	Fluorene	LCS/LCSD

M2 = Matrix spike recovery was low, the associated blank spike recovery was acceptable.

27693-001	6010B	Antimony	MS/MSD
27693-001	6010B	Mercury	MS/MSD
27693-001	6010B	Thallium	MS/MSD
27693-026	8270C	Phenanthrene	MS/MSD

M2 = Matrix spike recovery was low.

27693-026	8270C	Fluorene	MS/MSD

R2 = RPD/RSD exceeded the laboratory acceptance limit.

HV0221231	6010B	Cobalt	LCS/LCSD

R7 = LFB/LFBD RPD exceeded the laboratory acceptance limit. Recovery met acceptance criteria.

VV0221231	8081A	Endosulfan I	LCS/LCSD
VV0221231	8081A	gamma-BHC (Lindane)	LCS/LCSD
VV0221231	8081A	Methoxychlor	LCS/LCSD

S1 = Surrogate recovery was above laboratory acceptance limits.

27693-026	8270C	Nitrobenzene-d5	MSD
GS0221231	8270C	Nitrobenzene-d5	LCS/LCSD

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & C[illegible] of Custody Record

ORANGE COAST ANALYTICAL, INC.

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Lab Job No.: 27093 Page: 1 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard	Address (City / State):	Los Angeles, CA
	Irvine, CA 92618	EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC/AC

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME: Standard: X; 72 Hour: ; 48 Hour: ; 24 Hour:

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	POCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
1	B2-0.5	1	2/18/23	0850	soil	9oz jar	X	X	C1		X	X	X	X	X		C1=composite group 1 4
2	B2-2.5			0854					C2								C2=composite group 2 4
3	B1-0.5			0902			X	X	C1								
4	B1-2.5			0904					C2								
5	B3-0.5			0923			X	X	C1		X	X	X	X			
6	B3-2.5			0925					C2								
7	B4-0.5			0931			X	X	C3								C3=composite group 3 4
8	B4-2.5			0932					C4								C4=composite group 4 1
9	B22-0.5			0938			X	X									
10	B22-2.5			0940													HOLD
11	B22-5			0942													HOLD
12	B42-2.5	5		0958		9oz jar + VOAs									X	X	
13	B42-5			1000													HOLD
14	B41-2.5			1011											X	X	

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: [signature] Date: 2/20/23 Time: 1611 Company: N&M	Received By: Date: Time: Company:	Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other	
Relinquished By: Date: Time: Company:	Received By: Date: Time: Company:		
Relinquished By: Date: Time: Company:	Received For OCA By: [signature] Date: 2-20-23 Time: 1611 Company: OCA, CM	Sample Integrity: 2.0+0=2.0°C Intact: ____ On Ice: (Yes) / No @ 2.0 °C	

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & C[illegible] of Custody Record

ORANGE COAST ANALYTICAL, INC.

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Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 27693 Page: 2 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	FAC/AC

REQUESTED TURN-AROUND-TIME: Standard: X; 72 Hour: ; 48 Hour: ; 24 Hour:

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
15	B41-5	5	2/18/23	1014	soil	9 oz jar 4 VOAs											HOLD
16	B40-2.5	↓		1039		↓									X	X	
17	B5-0.5	1		1102		9 oz jar	X	X	C3		X	X	X	X			
18	B5-2.5			1104					C4								
19	B6-0.5			1111			X	X	C3								
20	B6-2.5	↓		1113		↓			C4								
21	B40-5	5		1126		9 oz jar 4 VOAs			~~C4~~ C								HOLD
22	B8-0.5	1		1248		9 oz jar	X	X	C5		X	X	X	X			C5=composite group 5
23	B8-2.5			1250					C6								C6=composite group 6
24	B7-0.5			1254			X	X	C5								
25	B7-2.5			1255					C6								
26	B12-0.5			1302			X	X	C7		X	X	X	X			C7=composite group 7
27	B12-2.5			1304					C8								C8=composite group 8
28	B11-0.5	↓	↓	1307		↓	X	X	C7								

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: [signature] Company: N&M	Date: 2/24/23 Time: 1611	Received By: Company:	Date: Time:
Relinquished By: Company:	Date: Time:	Received By: Company:	Date: Time:
Relinquished By: Company:	Date: Time:	Received For OCA By: [signature] Company: OCA, LA	Date: 2-20-23 Time: 1611

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: 2.0+0=2.0 °C Intact: ____ On Ice: (Yes) No @ IR#3 °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & C[illegible] of Custody Record

ORANGE COAST ANALYTICAL, INC.

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Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 27693 Page: 3 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard	Address (City / State):	Los Angeles, CA
	Irvine, CA 92618	EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC/AC

REQUESTED TURN-AROUND-TIME: Standard: X; 72 Hour: ; 48 Hour: ; 24 Hour:

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
29	B11-2.5	1	2/18/23	1309	Soil	9oz jar			C8								
30	B9-0.5			1320			X	X	C5		X	X	X	X			
31	B9-2.5			1322					C6								
32	B13-0.5			1336			X	X	C9								C9=composite group 9
33	B13-2.5			1338					C10								C10=composite group 10
34	B14-0.5			1340			X	X	C9		X	X	X	X			
35	B14-2.5			1342					C10								
36	B17-0.5			1351			X	X	C11								C11=composite group 11
37	B17-2.5			1353					C12								C12=composite group 12
38	B15-0.5			1357			X	X	C9		X	X	X	X			
39	B15-2.5			1359					C10								
40	B16-0.5			1409			X	X	C11								
41	B16-2.5			1410					C12								
42	B18-0.5	↓	↓	1412	↓	↓	X	X	C11		X	X	X	X			

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: [signature] Company: N&M	Date: 2/20/23 Time: 1611	Received By: Company:	Date: Time:
Relinquished By: Company:	Date: Time:	Received By: Company:	Date: Time:
Relinquished By: Company:	Date: Time:	Received For OCA By: [signature] Company: OCA, LA	Date: 2-20-23 Time: 1611

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: 2.0+0=2.1°C IR#3 Intact: ____ On Ice: (Yes) / No @ ____ °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.

3002 Dow Avenue, Suite 532
Tustin, CA 92780
Phone: (714) 832-0064 Fax: (714) 832-0067

www.ocalab.com

4620 East Elwood Street, Suite 4
Phoenix, AZ 85040
Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 27693 Page: 4 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard	Address (City / State):	Los Angeles, CA
	Irvine, CA 92618	EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC/AC

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME: Standard: X; 72 Hour: ; 48 Hour: ; 24 Hour:

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
43	B18-2.5	1	2/18/23	1414	Soil	9 oz jar			C12								
44	B10-0.5	↓	↓	1420	↓	↓	X	X	C7								
45	B10-2.5	↓	↓	1422	↓	↓			C8								

AC 2/18/23

No. of Samples: 3 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: [signature] Company: NEM	Date: 2/20/23 Time: 1611	Received By: Company:	Date: Time:
Relinquished By: Company:	Date: Time:	Received By: Company:	Date: Time:
Relinquished By: Company:	Date: Time:	Received For OCA By: [signature] Company: OCA, GS	Date: 2-20-23 Time: 1611

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: 2.0+0=2.0°C

Intact: ____ On Ice: (Yes) / No @ 2.0+0=2.0°C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Sample Receipt Report

Laboratory Reference: **NAM 27693** Logged in by: HC

Received:	02/20/23 16:11	Company Name:	Ninyo & Moore
Method of Shipment:	Hand Delivered	Project Manager:	Mr. Dennis Fee
Shipping Container:	Cooler	Project Name:	LAUSD 49th Street PEA
# Shipping Containers:	1	Project #:	211936010

Sample Quantity
57 Soil

Chain of Custody		Complete ☑	Incomplete ☐	None ☐
Samples On Ice		Yes, Wet ☑	Yes, Blue ☐	No ☐
Observed Temp. (°C):	2	Thermometer ID: IR#3	Adjusted Temp.:	2+0=2
Shipping Intact		Yes ☑	N/A ☐	No ☐
Shipping Custody Seals Intact		Yes ☐	N/A ☑	No ☐
Samples Intact		Yes ☑		No ☐
Sample Custody Seals Intact		Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated		Yes ☐	N/A ☑	No ☐
Proper Test Containers		Yes ☑		No ☐
Proper Test Preservations		Yes ☑		No ☐
Samples Within Hold Times		Yes ☑		No ☐
VOAs Have Zero Headspace		Yes ☐	N/A ☑	No ☐
Sample Labels		Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC		Yes ☑	N/A ☐	No ☐

Notes

Client Notified _____ By _____ On _____

LA Testing
5431 Industrial Drive, Huntington Beach, CA 92649
Phone/Fax: (714) 828-4999 / (714) 828-4944
http://www.LATesting.com gardengrovelab@latesting.com

LA Testing Order: 332303094
CustomerID: 32ORAN77
CustomerPO:
ProjectID:

Attn: **Mark Noorani**
Orange Coast Analytical, Inc.
3002 Dow Avenue
Suite 532
Tustin, CA 92780

Phone: (714) 832-0064
Fax: (714) 832-0067
Received: 2/22/2023 10:35 AM
Analysis Date: 2/28/2023
Collected: 2/18/2023

Test Report: Asbestos Analysis via Polarized Light Microscopy, Qualitative

Sample	Description	Appearance	Result	Notes
1 *332303094-0001*	B2-0.5	Brown/Tan Non-Fibrous Heterogeneous	**None Detected**	
2 *332303094-0002*	B3-0.5	Brown/Tan Non-Fibrous Heterogeneous	**None Detected**	
3 *332303094-0003*	B5-0.5	Brown Non-Fibrous Homogeneous	**None Detected**	
4 *332303094-0004*	B8-0.5	Brown/White/Clear Non-Fibrous Heterogeneous	**None Detected**	
5 *332303094-0005*	B12-0.5	Brown/Gray Non-Fibrous Heterogeneous	**None Detected**	
6 *332303094-0006*	B9-0.5	Brown Non-Fibrous Homogeneous	**None Detected**	
7 *332303094-0007*	B14-0.5	Brown Non-Fibrous Homogeneous	**None Detected**	
8 *332303094-0008*	B15-0.5	Brown/Black/Orange Non-Fibrous Heterogeneous	**None Detected**	
9 *332303094-0009*	B18-0.5	Brown Non-Fibrous Homogeneous	**None Detected**	

Analyst(s)

Tony Salgado (5)
Thanh Nguyen (4)

Michael Chapman

Michael Chapman, Laboratory Manager
or other approved signatory

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. LA Testing suggests that samples reported as none detected undergo additional analysis via TEM to avoid the possibility of false negatives.

Samples analyzed by LA Testing Huntington Beach, CA

Initial report from 02/28/2023 16:16:53

OrderID: 332303094

Asbestos Chain of Custody

LA Testing Order Number *(Lab Use Only)*:

#332303094

LA TESTING
5431 INDUSTRIAL DRIVE
HUNTINGTON BEACH, CA
92649
PHONE: (714)828-4999
FAX: (714)761-2713

Company : Orange Coast Analytical	**LA Testing-Bill to:** ☒ Same ☐ Different If Bill to is Different note instructions in Comments**
Street: 3002 Dow Ave, Ste 532	*Third Party Billing requires written authorization from third party*
City: Tustin / **State/Province: CA**	**Zip/Postal Code: 92780** / **Country: USA**
Report To (Name): Mark Noorani	**Fax #:**
Telephone #: 7148320064	**Email Address: markn@ocalab.com, ocalab@sbcglobal.net**
Project Name/Number:	
Please Provide Results: ☐ Fax ☒ Email / **Purchase Order: 27693**	**U.S. State Samples Taken: Yes**

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hours ☐ 6 Hours ☐ 24 Hrs ☐ 48 Hrs ☐ 3 Days ☐ 4 Days ☒ 5 Days ☐ 10 Days

**For TEM Air 3 hours/6 hours, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with LA Testing's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM - Air
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ EPA Protocol (Semi-Quantitative)
- ☐ EPA Protocol (Quantitative)

Other:
- ☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group**

Samplers Name: **Samplers Signature:**

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1	B2-0.5		2/18/23 0850
2	B3-0.5		2/18/23 0923
3	B5-0.5		2/18/23 1102
4	B8-0.5		2/18/23 1248
5	B12-0.5		2/18/23 1302
6	B9-0.5		2/18/23 1320
7	B14-0.5		2/18/23 1340
8	B15-0.5		2/18/23 1357

Client Sample # (s): **Total # of Samples:** 9

Relinquished (Client): OCHCA **Date:** 2/21/23 **Time:** 1500

Received (Lab): Emily Mendoza (courier) **Date:** 2/22/23 **Time:** 10:35AM

Comments/Special Instructions: PLM Qualitative

Page 1 of 2 pages

Controlled Document – Asbestos COC – R1 – 3/18/2009

OrderID: 332303094

Asbestos Chain of Custody

LA Testing Order Number *(Lab Use Only)*:

LA TESTING
5431 INDUSTRIAL DRIVE
HUNTINGTON BEACH, CA 92649
PHONE: (714)828-4999
FAX: (714)761-2713

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
9	B18-0.5		02/18/23 1412

*Comments/Special Instructions:

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mark Noorani
Orange Coast Analytical Inc
3002 Dow Ave,
Suite 532
Tustin, California 92780

Generated 2/28/2023 10:40:10 AM

JOB DESCRIPTION

211936010

JOB NUMBER

570-128722-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

my EOL

Eurofins Calscience

Job Notes

This report is issued solely for the use of the person or company to whom it is addressed. Any use, copying or disclosure other than by the intended recipient is unauthorized. If you have received this report in error, please notify the sender and destroy this report immediately. This report shall not be reproduced except in full, without prior express written approval by the laboratory.

The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization



Generated
2/28/2023 10:40:10 AM

Authorized for release by
Sandy Tat, Project Manager I
Sandy.Tat@et.eurofinsus.com
(714)895-5494

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Definitions/Glossary

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-128722-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-128722-1

Job ID: 570-128722-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-128722-1

Comments
No additional comments.

Receipt
The samples were received on 2/22/2023 1:54 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.1º C.

HPLC/IC
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-128722-1

Client Sample ID: B2-05 — Lab Sample ID: 570-128722-1

No Detections.

Client Sample ID: B3-0.5 — Lab Sample ID: 570-128722-2

No Detections.

Client Sample ID: B5-0.5 — Lab Sample ID: 570-128722-3

No Detections.

Client Sample ID: B8-0.5 — Lab Sample ID: 570-128722-4

No Detections.

Client Sample ID: B12-0.5 — Lab Sample ID: 570-128722-5

No Detections.

Client Sample ID: B9-0.5 — Lab Sample ID: 570-128722-6

No Detections.

Client Sample ID: B14-0.5 — Lab Sample ID: 570-128722-7

No Detections.

Client Sample ID: B15-0.5 — Lab Sample ID: 570-128722-8

No Detections.

Client Sample ID: B18-0.5 — Lab Sample ID: 570-128722-9

No Detections.

This Detection Summary does not include radiochemical test results.

Method: SW846 7199 - Chromium, Hexavalent (IC)

Client Sample ID: B2-05
Date Collected: 02/18/23 08:50
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128722-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		400	190	ug/Kg		02/27/23 01:30	02/27/23 06:19	10

Client Sample ID: B3-0.5
Date Collected: 02/18/23 09:23
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128722-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		400	190	ug/Kg		02/27/23 01:30	02/27/23 06:31	10

Client Sample ID: B5-0.5
Date Collected: 02/18/23 11:02
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128722-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		400	190	ug/Kg		02/27/23 01:30	02/27/23 06:43	10

Client Sample ID: B8-0.5
Date Collected: 02/18/23 12:48
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128722-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		400	190	ug/Kg		02/27/23 01:30	02/27/23 06:55	10

Client Sample ID: B12-0.5
Date Collected: 02/18/23 13:02
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128722-5
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		400	190	ug/Kg		02/27/23 01:30	02/27/23 07:07	10

Client Sample ID: B9-0.5
Date Collected: 02/18/23 13:20
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128722-6
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		400	190	ug/Kg		02/27/23 01:30	02/27/23 07:19	10

Client Sample ID: B14-0.5
Date Collected: 02/18/23 13:40
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128722-7
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		400	190	ug/Kg		02/27/23 01:30	02/27/23 07:55	10

Client Sample ID: B15-0.5
Date Collected: 02/18/23 13:57
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128722-8
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		400	190	ug/Kg		02/27/23 01:30	02/27/23 08:07	10

Client Sample ID: B18-0.5
Date Collected: 02/18/23 14:12
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128722-9
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		400	190	ug/Kg		02/27/23 01:30	02/27/23 08:19	10

QC Sample Results

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-128722-1

Method: 7199 - Chromium, Hexavalent (IC)

Lab Sample ID: MB 570-307132/1-A
Matrix: Solid
Analysis Batch: 307133

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 307132

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		400	190	ug/Kg		02/27/23 01:30	02/27/23 03:36	10

Lab Sample ID: LCS 570-307132/2-A
Matrix: Solid
Analysis Batch: 307133

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 307132

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent			20100	19250		ug/Kg		96	80 - 120		

Lab Sample ID: LCSD 570-307132/3-A
Matrix: Solid
Analysis Batch: 307133

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 307132

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent			20000	22350		ug/Kg		112	80 - 120	15	20

QC Association Summary

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-128722-1

HPLC/IC

Prep Batch: 307132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128722-1	B2-05	Total/NA	Solid	3060A	
570-128722-2	B3-0.5	Total/NA	Solid	3060A	
570-128722-3	B5-0.5	Total/NA	Solid	3060A	
570-128722-4	B8-0.5	Total/NA	Solid	3060A	
570-128722-5	B12-0.5	Total/NA	Solid	3060A	
570-128722-6	B9-0.5	Total/NA	Solid	3060A	
570-128722-7	B14-0.5	Total/NA	Solid	3060A	
570-128722-8	B15-0.5	Total/NA	Solid	3060A	
570-128722-9	B18-0.5	Total/NA	Solid	3060A	
MB 570-307132/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 570-307132/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSD 570-307132/3-A	Lab Control Sample Dup	Total/NA	Solid	3060A	

Analysis Batch: 307133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128722-1	B2-05	Total/NA	Solid	7199	307132
570-128722-2	B3-0.5	Total/NA	Solid	7199	307132
570-128722-3	B5-0.5	Total/NA	Solid	7199	307132
570-128722-4	B8-0.5	Total/NA	Solid	7199	307132
570-128722-5	B12-0.5	Total/NA	Solid	7199	307132
570-128722-6	B9-0.5	Total/NA	Solid	7199	307132
570-128722-7	B14-0.5	Total/NA	Solid	7199	307132
570-128722-8	B15-0.5	Total/NA	Solid	7199	307132
570-128722-9	B18-0.5	Total/NA	Solid	7199	307132
MB 570-307132/1-A	Method Blank	Total/NA	Solid	7199	307132
LCS 570-307132/2-A	Lab Control Sample	Total/NA	Solid	7199	307132
LCSD 570-307132/3-A	Lab Control Sample Dup	Total/NA	Solid	7199	307132

Lab Chronicle

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-128722-1

Client Sample ID: B2-05
Date Collected: 02/18/23 08:50
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128722-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.51 g	100 mL	307132	02/27/23 01:30	YO8L	EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	307133	02/27/23 06:19	YO8L	EET CAL 4
	Instrument ID: IC33									

Client Sample ID: B3-0.5
Date Collected: 02/18/23 09:23
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128722-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.53 g	100 mL	307132	02/27/23 01:30	YO8L	EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	307133	02/27/23 06:31	YO8L	EET CAL 4
	Instrument ID: IC33									

Client Sample ID: B5-0.5
Date Collected: 02/18/23 11:02
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128722-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.52 g	100 mL	307132	02/27/23 01:30	YO8L	EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	307133	02/27/23 06:43	YO8L	EET CAL 4
	Instrument ID: IC33									

Client Sample ID: B8-0.5
Date Collected: 02/18/23 12:48
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128722-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.47 g	100 mL	307132	02/27/23 01:30	YO8L	EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	307133	02/27/23 06:55	YO8L	EET CAL 4
	Instrument ID: IC33									

Client Sample ID: B12-0.5
Date Collected: 02/18/23 13:02
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128722-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.48 g	100 mL	307132	02/27/23 01:30	YO8L	EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	307133	02/27/23 07:07	YO8L	EET CAL 4
	Instrument ID: IC33									

Lab Chronicle

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-128722-1

Client Sample ID: B9-0.5
Date Collected: 02/18/23 13:20
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128722-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.48 g	100 mL	307132	02/27/23 01:30	YO8L	EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	307133	02/27/23 07:19	YO8L	EET CAL 4
	Instrument ID: IC33									

Client Sample ID: B14-0.5
Date Collected: 02/18/23 13:40
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128722-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.49 g	100 mL	307132	02/27/23 01:30	YO8L	EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	307133	02/27/23 07:55	YO8L	EET CAL 4
	Instrument ID: IC33									

Client Sample ID: B15-0.5
Date Collected: 02/18/23 13:57
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128722-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.50 g	100 mL	307132	02/27/23 01:30	YO8L	EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	307133	02/27/23 08:07	YO8L	EET CAL 4
	Instrument ID: IC33									

Client Sample ID: B18-0.5
Date Collected: 02/18/23 14:12
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128722-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.51 g	100 mL	307132	02/27/23 01:30	YO8L	EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	307133	02/27/23 08:19	YO8L	EET CAL 4
	Instrument ID: IC33									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-128722-1

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-24

Method Summary

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-128722-1

Method	Method Description	Protocol	Laboratory
7199	Chromium, Hexavalent (IC)	SW846	EET CAL 4
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET CAL 4

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-128722-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-128722-1	B2-05	Solid	02/18/23 08:50	02/22/23 13:54
570-128722-2	B3-0.5	Solid	02/18/23 09:23	02/22/23 13:54
570-128722-3	B5-0.5	Solid	02/18/23 11:02	02/22/23 13:54
570-128722-4	B8-0.5	Solid	02/18/23 12:48	02/22/23 13:54
570-128722-5	B12-0.5	Solid	02/18/23 13:02	02/22/23 13:54
570-128722-6	B9-0.5	Solid	02/18/23 13:20	02/22/23 13:54
570-128722-7	B14-0.5	Solid	02/18/23 13:40	02/22/23 13:54
570-128722-8	B15-0.5	Solid	02/18/23 13:57	02/22/23 13:54
570-128722-9	B18-0.5	Solid	02/18/23 14:12	02/22/23 13:54

128722

CHAIN OF CUSTODY RECORD

eurofins | Calscience

7440 Lincoln Way Garden Grove CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information contact us26_sales@eurofinsus com or call us

WO #/ LAB USE ONLY

DATE:

PAGE: 1 OF 1

LABORATORY CLIENT: Orange Coast Analytical, Inc

ADDRESS: 3002 Dow Ave, Ste 532

CITY: Tustin STATE: CA ZIP: 92780

TEL: 7148320064 E-MAIL: markn@ocalab com

CLIENT PROJECT NAME / NUMBER: 211936010

P O NO: 27693

PROJECT CONTACT: Mark Nooranı

SAMPLER(S): (PRINT) Miran

TURNAROUND TIME (Rush surcharges may apply to any TAT not 'STANDARD'):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS

REQUESTED ANALYSES

Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO OF CONT	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218 6	TOC	OPPs by 8141	Cu by 1640
1	B2-05	2/18/23	8 50	SS	1																	X		
2	B3-0 5	2/18/23	9 23	SS	1																	X		
3	B5-0 5	2/18/23	11 02	SS	1																	X		
4	B8-0 5	2/18/23	12 48	SS	1																	X		
5	B12-0 5	2/18/23	13 02	SS	1																	X		
6	B9-0 5	2/18/23	13 20	SS	1																	X		
7	B14-0 5	2/18/23	13 40	SS	1																	X		
8	B15-0 5	2/18/23	13 57	SS	1																	X		
9	B18-0 5	2/18/23	14 12	SS	1																	X		
10																								

570-128722 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date	Time
2/22/23 13:54	EC	2-22-23	13:54
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date	Time
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date.	Time.

9.1 / 2.1 Soil

06/02/14 Revision

Login Sample Receipt Checklist

Client: Orange Coast Analytical Inc

Job Number: 570-128722-1

Login Number: 128722
List Number: 1
Creator: Patel, Jayesh

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Orange Coast Analytical, Inc.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.:2576
Expiration Date: 2023
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:
Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 27693A
Project Name:	LAUSD 49th Street PEA
Project Number:	211936010
Date Received:	3/1/2023
Date Reported:	3/9/2023
Chain of Custody Received:	☑
Analytical Method:	8082, 6010B, 1311/6010B,

Mark Noorani, Laboratory Director

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Rev1.0

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27693A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 2ºC, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27693A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B1-0.5	27693-003	2/20/2023	2/18/2023	Soil
B3-0.5	27693-005	2/20/2023	2/18/2023	Soil
B3-2.5	27693-006	2/20/2023	2/18/2023	Soil
B4-0.5	27693-007	2/20/2023	2/18/2023	Soil
B4-2.5	27693-008	2/20/2023	2/18/2023	Soil
B22-0.5	27693-009	2/20/2023	2/18/2023	Soil
B22-2.5	27693-010	2/20/2023	2/18/2023	Soil
B7-0.5	27693-024	2/20/2023	2/18/2023	Soil
B11-0.5	27693-028	2/20/2023	2/18/2023	Soil
B11-2.5	27693-029	2/20/2023	2/18/2023	Soil
B13-0.5	27693-032	2/20/2023	2/18/2023	Soil
B13-2.5	27693-033	2/20/2023	2/18/2023	Soil
B16-0.5	27693-040	2/20/2023	2/18/2023	Soil
B16-2.5	27693-041	2/20/2023	2/18/2023	Soil
B10-0.5	27693-044	2/20/2023	2/18/2023	Soil
B10-2.5	27693-045	2/20/2023	2/18/2023	Soil

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Irvine, CA, 92618

Lab Reference #: NAM 27693A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B1-0.5	27693-003	2/20/2023 16:11	2/18/2023 9:02	3/3/2023 9:40	3/3/2023 17:16	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	94

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B22-0.5	27693-009	2/20/2023 16:11	2/18/2023 9:38	3/3/2023 9:40	3/3/2023 17:30	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<75
PCB-1221	11104-28-2	<75
PCB-1232	11141-16-5	<75
PCB-1242	53469-21-9	<75
PCB-1248	12672-29-6	<75
PCB-1254	11097-69-1	<75
PCB-1260	11096-82-5	<75

Surrogate:	% RC*
Decachlorobiphenyl	81

* Acceptable Recovery: 35-130 %

Dilution Factor: 3

Data Qualifiers: D1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B7-0.5	27693-024	2/20/2023 16:11	2/18/2023 12:54	3/3/2023 9:40	3/3/2023 17:45	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	89

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Dennis Fee
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475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27693A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B16-0.5	27693-040	2/20/2023 16:11	2/18/2023 14:09	3/3/2023 9:40	3/3/2023 18:00	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	107

* Acceptable Recovery: 35-130 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B10-0.5	27693-044	2/20/2023 16:11	2/18/2023 14:20	3/3/2023 9:40	3/3/2023 18:14	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	91

* Acceptable Recovery: 35-130 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBVV0303231			3/3/2023 9:40	3/3/2023 16:03	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	94

* Acceptable Recovery: 35-130 %

Dilution Factor: 1
Data Qualifiers: None

Mr. Dennis Fee
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Lab Reference #: NAM 27693A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B3-2.5	27693-006	2/20/2023 16:11	2/18/2023 9:25	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	<2.0	mg/kg	03/02/23 11:20	03/06/23 11:53	--	1

B4-0.5	27693-007	2/20/2023 16:11	2/18/2023 9:31	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Arsenic	6010B	22	mg/l	03/07/23 17:00	03/08/23 14:26	--	1

B4-2.5	27693-008	2/20/2023 16:11	2/18/2023 9:32	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	130	mg/kg	03/02/23 11:20	03/06/23 12:01	--	1

B22-2.5	27693-010	2/20/2023 16:11	2/18/2023 9:40	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	2.0	mg/kg	03/02/23 11:20	03/06/23 12:06	--	1

B11-2.5	27693-029	2/20/2023 16:11	2/18/2023 13:09	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Lead	6010B	5.2	mg/kg	03/02/23 11:20	03/06/23 12:08	--	1

B13-2.5	27693-033	2/20/2023 16:11	2/18/2023 13:38	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Lead	6010B	3.1	mg/kg	03/02/23 11:20	03/06/23 12:10	--	1

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Irvine, CA, 92618

Lab Reference #: NAM 27693A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B16-2.5	27693-041	2/20/2023 16:11	2/18/2023 14:10	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Lead	6010B	6.1	mg/kg	03/02/23 11:20	03/06/23 12:16	--	1

B10-2.5	27693-045	2/20/2023 16:11	2/18/2023 14:22	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Lead	6010B	4.3	mg/kg	03/02/23 11:20	03/06/23 12:18	--	1

Method Blank						Soil	
MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR0307236	TCLP Arsenic	6010B	<0.080	mg/l	03/07/23 17:00	03/08/23 13:41	--	1

B3-0.5	27693-005	2/20/2023 16:11	2/18/2023 9:23	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
STLC Arsenic	6010B	2.5	mg/L	03/07/23 17:00	03/08/23 12:50	--	1

B4-0.5	27693-007	2/20/2023 16:11	2/18/2023 9:31	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
STLC Arsenic	6010B	53	mg/L	03/07/23 17:00	03/08/23 13:03	--	1

B22-0.5	27693-009	2/20/2023 16:11	2/18/2023 9:38	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
STLC Arsenic	6010B	2.8	mg/L	03/07/23 17:00	03/08/23 13:06	--	1

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Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27693A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B11-0.5	27693-028	2/20/2023 16:11	2/18/2023 13:07	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
STLC Lead	6010B	1.8	mg/L	03/07/23 17:00	03/08/23 13:09	--	1

B13-0.5	27693-032	2/20/2023 16:11	2/18/2023 13:36	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
STLC Lead	6010B	1.6	mg/L	03/07/23 17:00	03/08/23 13:11	--	1

B16-0.5	27693-040	2/20/2023 16:11	2/18/2023 14:09	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
STLC Lead	6010B	1.7	mg/L	03/07/23 17:00	03/08/23 13:14	--	1

B10-0.5	27693-044	2/20/2023 16:11	2/18/2023 14:20	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
STLC Lead	6010B	3.6	mg/L	03/07/23 17:00	03/08/23 13:17	--	1

Method Blank							
						Soil	
MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR0307237	STLC Arsenic	6010B	<0.20	mg/L	03/07/23 17:00	03/08/23 12:43	--	1
MBIR0307237	STLC Lead	6010B	<0.20	mg/L	03/07/23 17:00	03/08/23 12:43	--	1

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QA/QC Report
for
Polychlorinated Biphenyl's (EPA 8082)
Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 3/3/2023 9:40
Date of Analysis: 3/3/2023 16:47
Dup Date of Analysis: 3/3/2023 17:01
Laboratory Sample #: 27693-003
MS/MSD Qualifiers: None
Reference #: NAM 27693A

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
PCB-1016	0.00	150	178	165	119	110	8	28-130	28	☐
PCB-1260	0.00	150	167	162	111	108	3	36-132	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Decachlorobiphenyl	99	95	☐

LCS	LCSD	Qual
97	102	☐

ACP % RC
35-130

Laboratory Control Sample

Date of Extraction: 3/3/2023 9:40
Date of Analysis: 3/3/2023 16:18
Dup Date of Analysis: 3/3/2023 16:32
Laboratory Sample #: VV0303231
LCS Qualifiers: L1,

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
PCB-1016	150	189	207	126	138	9	14-130	31	☑
PCB-1260	150	161	175	107	117	8	42-130	20	☐

QA/QC Report
for
Metals

Reference #: NAM 27693A

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B**

Laboratory Sample #: 27688-007 **Date of Extraction:** 03/07/23 17:00

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
TCLP Arsenic	03/08/23 13:51	03/08/23 13:54	0.00	0.400	0.398	0.413	99	103	4	75-125	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ 6010B**

Laboratory Sample #: IR0307236 **Date of Extraction:** 03/07/23 17:00

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
TCLP Arsenic	03/08/23 13:43	03/08/23 13:46	--	0.400	0.418	0.416	105	104	0	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ STLC CCR**

Laboratory Sample #: 27693-005 **Date of Extraction:** 03/07/23 17:00

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
STLC Arsenic	03/08/23 12:52	03/08/23 12:55	2.50	1.00	3.40	3.48	90	98	2	75-125	20	--
STLC Lead	03/08/23 12:52	03/08/23 12:55	1.60	1.00	2.50	2.58	90	98	3	75-125	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ STLC CCR**

Laboratory Sample #: IR0307237 **Date of Extraction:** 03/07/23 17:00

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
STLC Arsenic	03/08/23 12:45	03/08/23 12:47	--	1.00	0.968	1.00	97	100	3	80-120	20	--
STLC Lead	03/08/23 12:45	03/08/23 12:47	--	1.00	0.989	0.990	99	99	0	80-120	20	--

Data Qualifier Definitions

Qualifier

D1 = Sample required dilution due to matrix.

L1 = The associated blank spike recovery was above laboratory acceptance limits.

VV0303231	8082	PCB-1016	LCSD

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & C[illegible] of Custody Record

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Lab Job No.: 271093 Page: 1 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC/AC

REQUESTED TURN-AROUND-TIME
Standard: X
72 Hour:
48 Hour:
24 Hour:

ANALYSIS REQUEST / PRESERVATION

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	AC OCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
1	B2-0.5	1	2/18/23	0850	soil	9oz jar	X	X	C1		X	X	X	X	~~X~~		C1=composite group 1 4
2	B2-2.5	↓	↓	0854	↓	↓			C2								C2=composite group 2 4
3	B1-0.5	↓	↓	0902	↓	↓	X	X	C1								
4	B1-2.5	↓	↓	0904	↓	↓			C2								
5	B3-0.5	↓	↓	0923	↓	↓	X	X	C1		X	X	X	X			
6	B3-2.5	↓	↓	0925	↓	↓			C2								
7	B4-0.5	↓	↓	0931	↓	↓	X	X	C3								C3=composite group 3 4
8	B4-2.5	↓	↓	0932	↓	↓			C4								C4=composite group 4 1
9	B22-0.5	↓	↓	0938	↓	↓	X	X									
10	B22-2.5	↓	↓	0940	↓	↓											HOLD
11	B22-5	↓	↓	0942	↓	↓											HOLD
12	B42-2.5	5	↓	0958	↓	9oz jar 4 VOAs									X	X	
13	B42-5	↓	↓	1000	↓	↓											HOLD
14	B41-2.5	↓	↓	1011	↓	↓									X	X	

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date:	Received By:	Date:	Sample Matrix:
[signature]	2/20/23			DW - Drinking Water
Company: N&M	Time: 1611	Company:	Time:	GW - Groundwater
				AQ - Aqueous
Relinquished By:	Date:	Received By:	Date:	WW - Wastewater
	Time:		Time:	SS - Soil / Solid
Company:		Company:		SW - Stormwater
				OT - Other
Relinquished By:	Date:	Received For OCA By: [signature]	Date: 2-20-23	Sample Integrity: 2.0+0.2 2.3 °C
	Time:		Time: 1611	Intact: ____ On Ice: Yes / No @ 2.3 °C
Company:		Company: OCA, CA		

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & C[illegible] of Custody Record

ORANGE COAST ANALYTICAL, INC. www.ocalab.com

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4620 East Elwood Street, Suite 4
Phoenix, AZ 85040
Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 27693 Page: 2 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC/AC

REQUESTED TURN-AROUND-TIME
Standard: X
72 Hour:
48 Hour:
24 Hour:

ANALYSIS REQUEST / PRESERVATION

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
15	B41-5	5	2/18/23	1014	soil	9 oz jar 4 VOAS											HOLD
16	B40-2.5	↓		1039		↓									X	X	
17	B5-0.5	1		1102		9 oz jar	X	X	C3		X	X	X	X			
18	B5-2.5			1104					C4								
19	B6-0.5			1111			X	X	C3								
20	B6-2.5	↓		1113		↓			C4								
21	B40-5	5		1126		9 oz jar 4 VOAS			~~[illegible]~~ AC								HOLD
22	B8-0.5	1		1248		9 oz jar	X	X	C5		X	X	X	X			C5=composite group 5
23	B8-2.5			1250					C6								C6=composite group 6
24	B7-0.5			1254			X	X	C5								
25	B7-2.5			1255					C6								
26	B12-0.5			1302			X	X	C7		X	X	X	X			C7=composite group 7 5
27	B12-2.5			1304					C8								C8=composite group 8 5
28	B11-0.5	↓	↓	1307		↓	X	X	C7								

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date:	Received By:	Date:
[signature]	2/20/23		
Company: N&M	Time: 1611	Company:	Time:
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By:	Date:	Received For OCA By: [signature]	Date: 2-20-23
	Time:		Time: 1611
Company:		Company: OCA, LA	

Sample Matrix:
DW - Drinking Water
GW - Groundwater
AQ - Aqueous
WW - Wastewater
5S - Soil / Solid
SW - Stormwater
OT - Other

Sample Integrity: 2.0+0=2.0°C
Intact: _____ On Ice: (Yes) No @ IR#3 °C

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Analysis Request & Chain of Custody Record

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Lab Job No.: 27693 Page: 3 of 4

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Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard	Address (City / State):	Los Angeles, CA
	Irvine, CA 92618	EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC/AC

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME: Standard: X; 72 Hour: ; 48 Hour: ; 24 Hour:

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
29	B11-2.5	1	2/18/23	1309	Soil	9oz jar			C8								
30	B9-0.5			1320			X	X	C5		X	X	X	X			
31	B9-2.5			1322					C6								
32	B13-0.5			1336			X	X	C9								C9=composite group 9
33	B13-2.5			1338					C10								C10=composite group 10
34	B14-0.5			1340			X	X	C9		X	X	X	X			
35	B14-2.5			1342					C10								
36	B17-0.5			1351			X	X	C11								C11=composite group 11
37	B17-2.5			1353					C12								C12=composite group 12
38	B15-0.5			1357			X	X	C9		X	X	X	X			
39	B15-2.5			1359					C10								
40	B16-0.5			1409			X	X	C11								
41	B16-2.5			1410					C12								
42	B18-0.5	↓	↓	1412	↓	↓	X	X	C11		X	X	X	X			

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: [signature] Date: 2/20/23 Time: 1611 Company: N&M	Received By: Date: Time: Company:	Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other
Relinquished By: Date: Time: Company:	Received By: Date: Time: Company:	
Relinquished By: Date: Time: Company:	Received For OCA By: [signature] Date: 2-20-23 Time: 1611 Company: OCA, CA	Sample Integrity: 2.0+0=2.1°C #1443 Intact: ____ On Ice: (Yes) / No @ ____ °C

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Analysis Request & C[illegible] of Custody Record

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Lab Job No.: 27693 Page: 4 of 4

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Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC/AC

REQUESTED TURN-AROUND-TIME

Standard: X
72 Hour:
48 Hour:
24 Hour:

ANALYSIS REQUEST / PRESERVATION

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
43	B18-2.5	1	2/18/23	1414	Soil	9 oz jar			C12								
44	B10-0.5	↓	↓	1420	↓	↓	X	X	C7								
45	B10-2.5	↓	↓	1422	↓	↓			C8								

AC 2/18/23

No. of Samples: 3 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date:	Received By:	Date:
[signature]	2/20/23		
Company: N&M	Time: 1611	Company:	Time:
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By:	Date:	Received For OCA By: [signature]	Date: 2-20-23
	Time:		Time: 1611
Company:		Company: OCA, CA	

Sample Matrix:
GW - Groundwater
WW - Wastewater
SW - Stormwater
DW - Drinking Water
AQ - Aqueous
SS - Soil / Solid
OT - Other

Sample Integrity: 2.0+0.2=2.0 2.0+0.2=2.0
Intact: _____ On Ice: Yes / No @ 1.2 °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Miriam Molina

From: Dennis Fee <dfee@ninyoandmoore.com>
Sent: Wednesday, March 01, 2023 12:46 PM
To: Orange Coast Analytical
Cc: Miriam Molina
Subject: RE: Report, EDD and Invoice NAM 27693 LAUSD 49th Street PEA Rev1.0

Please also conduct the following lead and arsenic analysis for some of the 2.5' samples on hold:

Lead by 6010B – 27693
- B10-2.5'-045
- B11-2.5'-029
- B13-2.5'-033
- B16-2.5-041

Arsenic by 6010B- 27693
- B3-2.5'-006
- B4-2.5'-008
- B22-2.5'-010 -credit

Thanks,

Dennis Fee, EIT
Senior Project Engineer
Ninyo & Moore | Geotechnical & Environmental Sciences Consultants
475 Goddard, Suite 200 | Irvine, CA 92618
949.753.7070 (**x12210**) | 714.926.4048 (Cell)
35+ Years of Quality Service | ninyoandmoore.com

From: Dennis Fee
Sent: Wednesday, March 1, 2023 11:54 AM
To: Orange Coast Analytical <ocalab@sbcglobal.net>
Cc: Miriam Molina <miriamm@ocalab.com>; NM Accounts Payable <nmaccountspayable@ninyoandmoore.com>
Subject: RE: Report, EDD and Invoice NAM 27693 LAUSD 49th Street PEA Rev1.0

Hello,

Thank you for providing these results.

Please conduct additional laboratory analysis as followed:

PCBs by EPA 8082 - 27693
- B1-0.5'-003
- B7-0.5'-024
- B10-0.5'-044
- B16-0.5'-040
- B22-0.5'-009

Sample Receipt Report

Laboratory Reference: **NAM 27693** Logged in by: HC

Received:	02/20/23 16:11	Company Name:	Ninyo & Moore
Method of Shipment:	Hand Delivered	Project Manager:	Mr. Dennis Fee
Shipping Container:	Cooler	Project Name:	LAUSD 49th Street PEA
# Shipping Containers:	1	Project #:	211936010

Sample Quantity
57 Soil

Chain of Custody		Complete ☑	Incomplete ☐	None ☐
Samples On Ice		Yes, Wet ☑	Yes, Blue ☐	No ☐
Observed Temp. (°C):	2	Thermometer ID: IR#3	Adjusted Temp.:	2+0=2
Shipping Intact		Yes ☑	N/A ☐	No ☐
Shipping Custody Seals Intact		Yes ☐	N/A ☑	No ☐
Samples Intact		Yes ☑		No ☐
Sample Custody Seals Intact		Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated		Yes ☐	N/A ☑	No ☐
Proper Test Containers		Yes ☑		No ☐
Proper Test Preservations		Yes ☑		No ☐
Samples Within Hold Times		Yes ☑		No ☐
VOAs Have Zero Headspace		Yes ☐	N/A ☑	No ☐
Sample Labels		Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC		Yes ☑	N/A ☐	No ☐

Notes

Client Notified _____ By _____ On _____

Orange Coast Analytical, Inc.
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LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.:2576
Expiration Date: 2023
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:
Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 27694
Project Name:	LAUSD 49th Street PEA
Project Number:	211936010
Date Received:	2/20/2023
Date Reported:	3/6/2023
Chain of Custody Received:	☑
Analytical Method:	8015B, 8081A, 8082, 8260B, 8270C, 6010B, 7471A,

Mark Noorani, Laboratory Director

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Rev1.0

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 4ºC, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B31-0.5	27694-001	2/20/2023	2/20/2023	Soil
B31-02.5	27694-002	2/20/2023	2/20/2023	Soil
B20-0.5	27694-003	2/20/2023	2/20/2023	Soil
B20-2.5	27694-004	2/20/2023	2/20/2023	Soil
B20-5	27694-005	2/20/2023	2/20/2023	Soil
B21-0.5	27694-006	2/20/2023	2/20/2023	Soil
B21-2.5	27694-007	2/20/2023	2/20/2023	Soil
B21-5	27694-008	2/20/2023	2/20/2023	Soil
B19-0.5	27694-009	2/20/2023	2/20/2023	Soil
B19-2.5	27694-010	2/20/2023	2/20/2023	Soil
B19-5	27694-011	2/20/2023	2/20/2023	Soil
B23-0.5	27694-012	2/20/2023	2/20/2023	Soil
B23-2.5	27694-013	2/20/2023	2/20/2023	Soil
B23-5	27694-014	2/20/2023	2/20/2023	Soil
B24-0.5	27694-015	2/20/2023	2/20/2023	Soil
B24-2.5	27694-016	2/20/2023	2/20/2023	Soil
B24-5	27694-017	2/20/2023	2/20/2023	Soil
B25-0.5	27694-018	2/20/2023	2/20/2023	Soil
B25-2.5	27694-019	2/20/2023	2/20/2023	Soil
B25-5	27694-020	2/20/2023	2/20/2023	Soil
B26-0.5	27694-021	2/20/2023	2/20/2023	Soil
B26-2.5	27694-022	2/20/2023	2/20/2023	Soil
B26-5	27694-023	2/20/2023	2/20/2023	Soil
B30-0.5	27694-024	2/20/2023	2/20/2023	Soil
B30-2.5	27694-025	2/20/2023	2/20/2023	Soil
B30-5	27694-026	2/20/2023	2/20/2023	Soil
B29-0.5	27694-027	2/20/2023	2/20/2023	Soil
B29-2.5	27694-028	2/20/2023	2/20/2023	Soil
B29-5	27694-029	2/20/2023	2/20/2023	Soil
B28-0.5	27694-030	2/20/2023	2/20/2023	Soil
B28-2.5	27694-031	2/20/2023	2/20/2023	Soil
B28-5	27694-032	2/20/2023	2/20/2023	Soil
B27-0.5	27694-033	2/20/2023	2/20/2023	Soil
B27-2.5	27694-034	2/20/2023	2/20/2023	Soil
B27-5	27694-035	2/20/2023	2/20/2023	Soil
B32-2.5	27694-036	2/20/2023	2/20/2023	Soil
B32-5	27694-037	2/20/2023	2/20/2023	Soil
B32-10	27694-038	2/20/2023	2/20/2023	Soil

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B33-2.5	27694-039	2/20/2023	2/20/2023	Soil
B33-5	27694-040	2/20/2023	2/20/2023	Soil
B33-10	27694-041	2/20/2023	2/20/2023	Soil
B34-2.5	27694-042	2/20/2023	2/20/2023	Soil

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B32-2.5	27694-036	2/20/2023 16:16	2/20/2023 12:52	2/22/2023 11:30	2/23/2023 0:24	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	107
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B32-2.5	27694-036	2/20/2023 16:16	2/20/2023 12:52	2/22/2023 11:30	2/23/2023 0:24	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	120	Octacosane	107
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B32-5	27694-037	2/20/2023 16:16	2/20/2023 12:56	2/22/2023 11:30	2/23/2023 1:07	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	76
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B32-5	27694-037	2/20/2023 16:16	2/20/2023 12:56	2/22/2023 11:30	2/23/2023 1:07	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	76
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B33-2.5	27694-039	2/20/2023 16:16	2/20/2023 13:39	2/22/2023 11:30	2/23/2023 1:51	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	112
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

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Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B33-2.5	27694-039	2/20/2023 16:16	2/20/2023 13:39	2/22/2023 11:30	2/23/2023 1:51	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	112
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B33-5	27694-040	2/20/2023 16:16	2/20/2023 13:42	2/22/2023 11:30	2/23/2023 2:34	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	92
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B33-5	27694-040	2/20/2023 16:16	2/20/2023 13:42	2/22/2023 11:30	2/23/2023 2:34	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	92
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-2.5	27694-042	2/20/2023 16:16	2/20/2023 14:19	2/22/2023 11:30	2/23/2023 3:18	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	103
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-2.5	27694-042	2/20/2023 16:16	2/20/2023 14:19	2/22/2023 11:30	2/23/2023 3:18	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	103
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBRC0222231			2/22/2023 11:30	2/22/2023 15:00	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	103

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 40-160 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBRC0222231			2/22/2023 11:30	2/22/2023 15:00	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	103

Dilution Factor: 1
Data Qualifiers: None

* Acc Recovery: 40-160 %

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B32-2.5	27694-036	2/20/2023 16:16	2/20/2023 12:52	2/20/2023 12:52	2/22/2023 13:45	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	97

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B32-5	27694-037	2/20/2023 16:16	2/20/2023 12:56	2/20/2023 12:56	2/22/2023 14:04	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	98

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B33-2.5	27694-039	2/20/2023 16:16	2/20/2023 13:39	2/20/2023 13:39	2/22/2023 14:24	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	96

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B33-5	27694-040	2/20/2023 16:16	2/20/2023 13:42	2/20/2023 13:42	2/22/2023 14:44	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	86

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-2.5	27694-042	2/20/2023 16:16	2/20/2023 14:19	2/20/2023 14:19	2/22/2023 15:04	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	92

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBLY0222231			2/22/2023 10:00	2/22/2023 11:25	Soil

ANALYTE	mg/kg
GROs[1]	<0.20

Surrogate:	% RC*
α-α-α-Trifluorotoluene	103

* Acceptable Recovery: 32-153 %

Dilution Factor: 1
Data Qualifiers: None

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B32-2.5	27694-036	2/20/2023 16:16	2/20/2023 12:52	2/21/2023 10:30	2/24/2023 15:14	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	73

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B32-5	27694-037	2/20/2023 16:16	2/20/2023 12:56	2/21/2023 10:30	2/24/2023 15:29	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	71

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Project Name: LAUSD 49th Street PEA
Project #: 211936010

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B33-2.5	27694-039	2/20/2023 16:16	2/20/2023 13:39	2/21/2023 10:30	2/28/2023 12:24	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	87

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B33-5	27694-040	2/20/2023 16:16	2/20/2023 13:42	2/21/2023 10:30	2/28/2023 12:39	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	84

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-2.5	27694-042	2/20/2023 16:16	2/20/2023 14:19	2/21/2023 10:30	2/28/2023 12:53	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	81

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBVV0221231			2/21/2023 10:30	2/24/2023 10:52	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	86

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B31-0.5	27694-001	2/20/2023 16:16	2/20/2023 7:30	2/21/2023 9:23	2/21/2023 12:57	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<200
PCB-1221	11104-28-2	<200
PCB-1232	11141-16-5	<200
PCB-1242	53469-21-9	<200
PCB-1248	12672-29-6	<200
PCB-1254	11097-69-1	<200
PCB-1260	11096-82-5	<200

Surrogate: % RC*
Decachlorobiphenyl 42
* Acceptable Recovery: 35-130 %
Dilution Factor: 8
Data Qualifiers: D1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B21-0.5	27694-006	2/20/2023 16:16	2/20/2023 8:03	2/21/2023 9:23	2/21/2023 13:12	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<50
PCB-1221	11104-28-2	<50
PCB-1232	11141-16-5	<50
PCB-1242	53469-21-9	<50
PCB-1248	12672-29-6	<50
PCB-1254	11097-69-1	<50
PCB-1260	11096-82-5	<50

Surrogate: % RC*
Decachlorobiphenyl 59
* Acceptable Recovery: 35-130 %
Dilution Factor: 2
Data Qualifiers: D1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B29-0.5	27694-027	2/20/2023 16:16	2/20/2023 10:55	2/21/2023 9:23	2/21/2023 13:26	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<200
PCB-1221	11104-28-2	<200
PCB-1232	11141-16-5	<200
PCB-1242	53469-21-9	<200
PCB-1248	12672-29-6	<200
PCB-1254	11097-69-1	<200
PCB-1260	11096-82-5	<200

Surrogate: % RC*
Decachlorobiphenyl 52
* Acceptable Recovery: 35-130 %
Dilution Factor: 8
Data Qualifiers: D1,

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBVV0220231			2/20/2023 10:00	2/21/2023 10:02	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	68

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B32-2.5	27694-036	2/20/2023 16:16	2/20/2023 12:52	2/20/2023 12:52	2/22/2023 16:01	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	113	65-130 %
Toluene-d8:	85	58-130 %
4-Bromofluorobenzene:	79	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B32-5	27694-037	2/20/2023 16:16	2/20/2023 12:56	2/20/2023 12:56	2/22/2023 16:23	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	114	65-130 %
Toluene-d8:	85	58-130 %
4-Bromofluorobenzene:	77	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B33-2.5	27694-039	2/20/2023 16:16	2/20/2023 13:39	2/20/2023 13:39	2/22/2023 16:44	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	111	65-130 %
Toluene-d8:	87	58-130 %
4-Bromofluorobenzene:	76	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B33-5	27694-040	2/20/2023 16:16	2/20/2023 13:42	2/20/2023 13:42	2/22/2023 17:06	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	114	65-130 %
Toluene-d8:	87	58-130 %
4-Bromofluorobenzene:	79	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-2.5	27694-042	2/20/2023 16:16	2/20/2023 14:19	2/20/2023 14:19	2/22/2023 17:27	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	115	65-130 %
Toluene-d8:	86	58-130 %
4-Bromofluorobenzene:	75	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT0221233			2/21/2023 15:00	2/22/2023 10:55	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	111	65-130 %
Toluene-d8:	86	58-130 %
4-Bromofluorobenzene:	77	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polynuclear Aromatic Hydrocarbons by SIM (EPA 8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B20-0.5	27694-003	2/20/2023 16:16	2/20/2023 7:50	2/21/2023 10:20	2/21/2023 22:14	Soil

ANALYTE	CAS #	µg/kg
Acenaphthene:	83-32-9	<50
Acenaphthylene:	208-96-8	<50
Anthracene:	120-12-7	<50
Benz(a)anthracene:	56-55-3	<50
Benzo(a)pyrene:	50-32-8	<50
Benzo(b)fluoranthene:	205-99-2	<50
Benzo(k)fluoranthene:	207-08-9	<50
Benzo(g,h,i)perylene:	191-24-2	<50
Chrysene:	218-01-9	<50
Dibenz(a,h)anthracene:	53-70-3	<60
Fluoranthene:	206-44-0	<65
Pyrene:	129-00-0	<65
Fluorene:	86-73-7	<50
Phenanthrene:	85-01-8	<50
Indeno(1,2,3-cd)pyrene:	193-39-5	<50
Naphthalene:	91-20-3	<50

Surrogate:	% RC*
Nitrobenzene-d5	64

* Acceptable Recovery: 13-182 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B23-0.5	27694-012	2/20/2023 16:16	2/20/2023 8:42	2/21/2023 10:20	2/21/2023 22:45	Soil

ANALYTE	CAS #	µg/kg
Acenaphthene:	83-32-9	<200
Acenaphthylene:	208-96-8	<200
Anthracene:	120-12-7	<200
Benz(a)anthracene:	56-55-3	<200
Benzo(a)pyrene:	50-32-8	<200
Benzo(b)fluoranthene:	205-99-2	<200
Benzo(k)fluoranthene:	207-08-9	<200
Benzo(g,h,i)perylene:	191-24-2	<200
Chrysene:	218-01-9	<200
Dibenz(a,h)anthracene:	53-70-3	<240
Fluoranthene:	206-44-0	<260
Pyrene:	129-00-0	<260
Fluorene:	86-73-7	<200
Phenanthrene:	85-01-8	<200
Indeno(1,2,3-cd)pyrene:	193-39-5	<200
Naphthalene:	91-20-3	<200

Surrogate:	% RC*
Nitrobenzene-d5	Diluted

* Acceptable Recovery: 13-182 %

Dilution Factor: 4
Data Qualifiers: D1, S8,

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polynuclear Aromatic Hydrocarbons by SIM (EPA 8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B25-0.5	27694-018	2/20/2023 16:16	2/20/2023 9:38	2/21/2023 10:20	2/21/2023 23:17	Soil

ANALYTE	CAS #	µg/kg
Acenaphthene:	83-32-9	<50
Acenaphthylene:	208-96-8	<50
Anthracene:	120-12-7	<50
Benz(a)anthracene:	56-55-3	<50
Benzo(a)pyrene:	50-32-8	<50
Benzo(b)fluoranthene:	205-99-2	<50
Benzo(k)fluoranthene:	207-08-9	<50
Benzo(g,h,i)perylene:	191-24-2	<50
Chrysene:	218-01-9	<50
Dibenz(a,h)anthracene:	53-70-3	<60
Fluoranthene:	206-44-0	<65
Pyrene:	129-00-0	<65
Fluorene:	86-73-7	<50
Phenanthrene:	85-01-8	<50
Indeno(1,2,3-cd)pyrene:	193-39-5	<50
Naphthalene:	91-20-3	<50

Surrogate: % RC*
Nitrobenzene-d5 72

* Acceptable Recovery: 13-182 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B26-0.5	27694-021	2/20/2023 16:16	2/20/2023 10:05	2/21/2023 10:20	2/21/2023 23:49	Soil

ANALYTE	CAS #	µg/kg
Acenaphthene:	83-32-9	<500
Acenaphthylene:	208-96-8	<500
Anthracene:	120-12-7	<500
Benz(a)anthracene:	56-55-3	<500
Benzo(a)pyrene:	50-32-8	<500
Benzo(b)fluoranthene:	205-99-2	<500
Benzo(k)fluoranthene:	207-08-9	<500
Benzo(g,h,i)perylene:	191-24-2	<500
Chrysene:	218-01-9	<500
Dibenz(a,h)anthracene:	53-70-3	<600
Fluoranthene:	206-44-0	<650
Pyrene:	129-00-0	<650
Fluorene:	86-73-7	<500
Phenanthrene:	85-01-8	<500
Indeno(1,2,3-cd)pyrene:	193-39-5	<500
Naphthalene:	91-20-3	<500

Surrogate: % RC*
Nitrobenzene-d5 Diluted

* Acceptable Recovery: 13-182 %

Dilution Factor: 10
Data Qualifiers: D1, S8,

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polynuclear Aromatic Hydrocarbons by SIM (EPA 8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBGS0221231			2/21/2023 10:20	2/21/2023 14:46	Soil

ANALYTE	CAS #	µg/kg
Acenaphthene:	83-32-9	<50
Acenaphthylene:	208-96-8	<50
Anthracene:	120-12-7	<50
Benz(a)anthracene:	56-55-3	<50
Benzo(a)pyrene:	50-32-8	<50
Benzo(b)fluoranthene:	205-99-2	<50
Benzo(k)fluoranthene:	207-08-9	<50
Benzo(g,h,i)perylene:	191-24-2	<50
Chrysene:	218-01-9	<50
Dibenz(a,h)anthracene:	53-70-3	<60
Fluoranthene:	206-44-0	<65
Pyrene:	129-00-0	<65
Fluorene:	86-73-7	<50
Phenanthrene:	85-01-8	<50
Indeno(1,2,3-cd)pyrene:	193-39-5	<50
Naphthalene:	91-20-3	<50

Surrogate:	% RC*
Nitrobenzene-d5	117

* Acceptable Recovery: 13-182 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B20-0.5	27694-003	2/20/2023 16:16	2/20/2023 7:50	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:22	--	1
Arsenic	6010B	3.2	mg/kg	02/21/23 09:40	02/23/23 15:22	--	1
Barium	6010B	62	mg/kg	02/21/23 09:40	02/23/23 15:22	--	1
Beryllium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:22	--	1
Cadmium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:22	--	1
Chromium	6010B	13	mg/kg	02/21/23 09:40	02/23/23 15:22	--	1
Cobalt	6010B	7.0	mg/kg	02/21/23 09:40	02/23/23 15:22	--	1
Copper	6010B	12	mg/kg	02/21/23 09:40	02/23/23 15:22	--	1
Lead	6010B	18	mg/kg	02/21/23 09:40	02/23/23 15:22	--	1
Mercury	7471A	<0.10	mg/kg	02/21/23 17:00	02/23/23 13:54	--	1
Molybdenum	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 15:22	--	1
Nickel	6010B	11	mg/kg	02/21/23 09:40	02/23/23 15:22	--	1
Selenium	6010B	<4.8	mg/kg	02/21/23 09:40	02/23/23 15:22	--	1
Silver	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:22	--	1
Thallium	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:22	--	1
Vanadium	6010B	25	mg/kg	02/21/23 09:40	02/23/23 15:22	--	1
Zinc	6010B	75	mg/kg	02/21/23 09:40	02/23/23 15:22	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B21-0.5	27694-006	2/20/2023 16:16	2/20/2023 8:03	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	38	mg/kg	02/21/23 10:15	02/23/23 12:36	--	1
Lead	6010B	42	mg/kg	02/21/23 10:15	02/23/23 12:36	--	1

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B19-0.5	27694-009	2/20/2023 16:16	2/20/2023 8:20	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	2.4	mg/kg	02/21/23 10:15	02/23/23 12:39	--	1
Lead	6010B	63	mg/kg	02/21/23 10:15	02/23/23 12:39	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B23-0.5	27694-012	2/20/2023 16:16	2/20/2023 8:42	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:25	--	1
Arsenic	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:25	--	1
Barium	6010B	55	mg/kg	02/21/23 09:40	02/23/23 15:25	--	1
Beryllium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:25	--	1
Cadmium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:25	--	1
Chromium	6010B	7.1	mg/kg	02/21/23 09:40	02/23/23 15:25	--	1
Cobalt	6010B	5.0	mg/kg	02/21/23 09:40	02/23/23 15:25	--	1
Copper	6010B	11	mg/kg	02/21/23 09:40	02/23/23 15:25	--	1
Lead	6010B	38	mg/kg	02/21/23 09:40	02/23/23 15:25	--	1
Mercury	7471A	0.24	mg/kg	02/21/23 17:00	02/23/23 13:56	--	1
Molybdenum	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 15:25	--	1
Nickel	6010B	5.9	mg/kg	02/21/23 09:40	02/23/23 15:25	--	1
Selenium	6010B	<4.8	mg/kg	02/21/23 09:40	02/23/23 15:25	--	1
Silver	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:25	--	1
Thallium	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:25	--	1
Vanadium	6010B	20	mg/kg	02/21/23 09:40	02/23/23 15:25	--	1
Zinc	6010B	54	mg/kg	02/21/23 09:40	02/23/23 15:25	--	1

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B24-0.5	27694-015	2/20/2023 16:16	2/20/2023 9:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	<2.0	mg/kg	02/21/23 10:15	02/23/23 12:41	--	1
Lead	6010B	66	mg/kg	02/21/23 10:15	02/23/23 12:41	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B25-0.5	27694-018	2/20/2023 16:16	2/20/2023 9:38	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:28	--	1
Arsenic	6010B	3.6	mg/kg	02/21/23 09:40	02/23/23 15:28	--	1
Barium	6010B	86	mg/kg	02/21/23 09:40	02/23/23 15:28	--	1
Beryllium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:28	--	1
Cadmium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:28	--	1
Chromium	6010B	15	mg/kg	02/21/23 09:40	02/23/23 15:28	--	1
Cobalt	6010B	8.1	mg/kg	02/21/23 09:40	02/23/23 15:28	--	1
Copper	6010B	14	mg/kg	02/21/23 09:40	02/23/23 15:28	--	1
Lead	6010B	21	mg/kg	02/21/23 09:40	02/23/23 15:28	--	1
Mercury	7471A	0.11	mg/kg	02/21/23 17:00	02/23/23 13:58	--	1
Molybdenum	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 15:28	--	1
Nickel	6010B	9.8	mg/kg	02/21/23 09:40	02/23/23 15:28	--	1
Selenium	6010B	<4.8	mg/kg	02/21/23 09:40	02/23/23 15:28	--	1
Silver	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:28	--	1
Thallium	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:28	--	1
Vanadium	6010B	32	mg/kg	02/21/23 09:40	02/23/23 15:28	--	1
Zinc	6010B	56	mg/kg	02/21/23 09:40	02/23/23 15:28	--	1

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B26-0.5	27694-021	2/20/2023 16:16	2/20/2023 10:05	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:31	--	1
Arsenic	6010B	2.8	mg/kg	02/21/23 09:40	02/23/23 15:31	--	1
Barium	6010B	83	mg/kg	02/21/23 09:40	02/23/23 15:31	--	1
Beryllium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:31	--	1
Cadmium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:31	--	1
Chromium	6010B	15	mg/kg	02/21/23 09:40	02/23/23 15:31	--	1
Cobalt	6010B	18	mg/kg	02/21/23 09:40	02/23/23 15:31	--	1
Copper	6010B	18	mg/kg	02/21/23 09:40	02/23/23 15:31	--	1
Lead	6010B	34	mg/kg	02/21/23 09:40	02/23/23 15:31	--	1
Mercury	7471A	<0.10	mg/kg	02/21/23 17:00	02/23/23 14:00	--	1
Molybdenum	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 15:31	--	1
Nickel	6010B	10	mg/kg	02/21/23 09:40	02/23/23 15:31	--	1
Selenium	6010B	<4.8	mg/kg	02/21/23 09:40	02/23/23 15:31	--	1
Silver	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:31	--	1
Thallium	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:31	--	1
Vanadium	6010B	30	mg/kg	02/21/23 09:40	02/23/23 15:31	--	1
Zinc	6010B	98	mg/kg	02/21/23 09:40	02/23/23 15:31	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B30-0.5	27694-024	2/20/2023 16:16	2/20/2023 10:25	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	<2.0	mg/kg	02/21/23 10:15	02/23/23 12:50	--	1
Lead	6010B	11	mg/kg	02/21/23 10:15	02/23/23 12:50	--	1

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B29-0.5	27694-027	2/20/2023 16:16	2/20/2023 10:55	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	2.0	mg/kg	02/21/23 10:15	02/23/23 12:52	--	1
Lead	6010B	34	mg/kg	02/21/23 10:15	02/23/23 12:52	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B28-0.5	27694-030	2/20/2023 16:16	2/20/2023 11:58	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	2.5	mg/kg	02/21/23 10:15	02/23/23 12:55	--	1
Lead	6010B	5.5	mg/kg	02/21/23 10:15	02/23/23 12:55	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B27-0.5	27694-033	2/20/2023 16:16	2/20/2023 12:19	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	2.5	mg/kg	02/21/23 10:15	02/23/23 12:57	--	1
Lead	6010B	4.6	mg/kg	02/21/23 10:15	02/23/23 12:57	--	1

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B32-2.5	27694-036	2/20/2023 16:16	2/20/2023 12:52	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:34	--	1
Arsenic	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:34	--	1
Barium	6010B	130	mg/kg	02/21/23 09:40	02/23/23 15:34	--	1
Beryllium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:34	--	1
Cadmium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:34	--	1
Chromium	6010B	19	mg/kg	02/21/23 09:40	02/23/23 15:34	--	1
Cobalt	6010B	12	mg/kg	02/21/23 09:40	02/23/23 15:34	--	1
Copper	6010B	19	mg/kg	02/21/23 09:40	02/23/23 15:34	--	1
Lead	6010B	6.0	mg/kg	02/21/23 09:40	02/23/23 15:34	--	1
Mercury	7471A	0.11	mg/kg	02/21/23 17:00	02/23/23 14:01	--	1
Molybdenum	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 15:34	--	1
Nickel	6010B	12	mg/kg	02/21/23 09:40	02/23/23 15:34	--	1
Selenium	6010B	<4.8	mg/kg	02/21/23 09:40	02/23/23 15:34	--	1
Silver	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:34	--	1
Thallium	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:34	--	1
Vanadium	6010B	44	mg/kg	02/21/23 09:40	02/23/23 15:34	--	1
Zinc	6010B	60	mg/kg	02/21/23 09:40	02/23/23 15:34	--	1

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B32-5	27694-037	2/20/2023 16:16	2/20/2023 12:56	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:37	--	1
Arsenic	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:37	--	1
Barium	6010B	130	mg/kg	02/21/23 09:40	02/23/23 15:37	--	1
Beryllium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:37	--	1
Cadmium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:37	--	1
Chromium	6010B	19	mg/kg	02/21/23 09:40	02/23/23 15:37	--	1
Cobalt	6010B	13	mg/kg	02/21/23 09:40	02/23/23 15:37	--	1
Copper	6010B	17	mg/kg	02/21/23 09:40	02/23/23 15:37	--	1
Lead	6010B	4.6	mg/kg	02/21/23 09:40	02/23/23 15:37	--	1
Mercury	7471A	0.15	mg/kg	02/21/23 17:00	02/23/23 14:06	--	1
Molybdenum	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 15:37	--	1
Nickel	6010B	12	mg/kg	02/21/23 09:40	02/23/23 15:37	--	1
Selenium	6010B	<4.8	mg/kg	02/21/23 09:40	02/23/23 15:37	--	1
Silver	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:37	--	1
Thallium	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:37	--	1
Vanadium	6010B	49	mg/kg	02/21/23 09:40	02/23/23 15:37	--	1
Zinc	6010B	64	mg/kg	02/21/23 09:40	02/23/23 15:37	--	1

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B33-2.5	27694-039	2/20/2023 16:16	2/20/2023 13:39	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:40	--	1
Arsenic	6010B	3.9	mg/kg	02/21/23 09:40	02/23/23 15:40	--	1
Barium	6010B	160	mg/kg	02/21/23 09:40	02/23/23 15:40	--	1
Beryllium	6010B	0.58	mg/kg	02/21/23 09:40	02/23/23 15:40	--	1
Cadmium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:40	--	1
Chromium	6010B	24	mg/kg	02/21/23 09:40	02/23/23 15:40	--	1
Cobalt	6010B	16	mg/kg	02/21/23 09:40	02/23/23 15:40	--	1
Copper	6010B	23	mg/kg	02/21/23 09:40	02/23/23 15:40	--	1
Lead	6010B	6.7	mg/kg	02/21/23 09:40	02/23/23 15:40	--	1
Mercury	7471A	0.11	mg/kg	02/21/23 17:00	02/23/23 14:05	--	1
Molybdenum	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 15:40	--	1
Nickel	6010B	17	mg/kg	02/21/23 09:40	02/23/23 15:40	--	1
Selenium	6010B	<4.8	mg/kg	02/21/23 09:40	02/23/23 15:40	--	1
Silver	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:40	--	1
Thallium	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:40	--	1
Vanadium	6010B	55	mg/kg	02/21/23 09:40	02/23/23 15:40	--	1
Zinc	6010B	77	mg/kg	02/21/23 09:40	02/23/23 15:40	--	1

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B33-5	27694-040	2/20/2023 16:16	2/20/2023 13:42	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:43	--	1
Arsenic	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:43	--	1
Barium	6010B	150	mg/kg	02/21/23 09:40	02/23/23 15:43	--	1
Beryllium	6010B	0.57	mg/kg	02/21/23 09:40	02/23/23 15:43	--	1
Cadmium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:43	--	1
Chromium	6010B	22	mg/kg	02/21/23 09:40	02/23/23 15:43	--	1
Cobalt	6010B	15	mg/kg	02/21/23 09:40	02/23/23 15:43	--	1
Copper	6010B	22	mg/kg	02/21/23 09:40	02/23/23 15:43	--	1
Lead	6010B	5.3	mg/kg	02/21/23 09:40	02/23/23 15:43	--	1
Mercury	7471A	<0.10	mg/kg	02/21/23 17:00	02/23/23 14:10	--	1
Molybdenum	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 15:43	--	1
Nickel	6010B	15	mg/kg	02/21/23 09:40	02/23/23 15:43	--	1
Selenium	6010B	<4.8	mg/kg	02/21/23 09:40	02/23/23 15:43	--	1
Silver	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:43	--	1
Thallium	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:43	--	1
Vanadium	6010B	52	mg/kg	02/21/23 09:40	02/23/23 15:43	--	1
Zinc	6010B	71	mg/kg	02/21/23 09:40	02/23/23 15:43	--	1

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Lab Reference # NAM 27694
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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B34-2.5	27694-042	2/20/2023 16:16	2/20/2023 14:19	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:46	--	1
Arsenic	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:46	--	1
Barium	6010B	140	mg/kg	02/21/23 09:40	02/23/23 15:46	--	1
Beryllium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:46	--	1
Cadmium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:46	--	1
Chromium	6010B	19	mg/kg	02/21/23 09:40	02/23/23 15:46	--	1
Cobalt	6010B	12	mg/kg	02/21/23 09:40	02/23/23 15:46	--	1
Copper	6010B	18	mg/kg	02/21/23 09:40	02/23/23 15:46	--	1
Lead	6010B	24	mg/kg	02/21/23 09:40	02/23/23 15:46	--	1
Mercury	7471A	0.12	mg/kg	02/21/23 17:00	02/23/23 14:12	--	1
Molybdenum	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 15:46	--	1
Nickel	6010B	12	mg/kg	02/21/23 09:40	02/23/23 15:46	--	1
Selenium	6010B	<4.8	mg/kg	02/21/23 09:40	02/23/23 15:46	--	1
Silver	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 15:46	--	1
Thallium	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 15:46	--	1
Vanadium	6010B	41	mg/kg	02/21/23 09:40	02/23/23 15:46	--	1
Zinc	6010B	120	mg/kg	02/21/23 09:40	02/23/23 15:46	--	1

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Lab Reference # NAM 27694
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBHV0221231	Antimony	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Arsenic	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Barium	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Beryllium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Cadmium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Chromium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Cobalt	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Copper	6010B	<5.0	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Lead	6010B	<0.80	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221233	Mercury	7471A	<0.10	mg/kg	02/21/23 17:00	02/23/23 13:23	--	1
MBHV0221231	Molybdenum	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Nickel	6010B	<1.0	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Selenium	6010B	<4.8	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Silver	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Thallium	6010B	<2.0	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Vanadium	6010B	<0.50	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1
MBHV0221231	Zinc	6010B	<5.0	mg/kg	02/21/23 09:40	02/23/23 14:17	--	1

Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBHV0221232	Arsenic	6010B	<2.0	mg/kg	02/21/23 10:15	02/23/23 11:49	--	1
MBHV0221232	Lead	6010B	<0.80	mg/kg	02/21/23 10:15	02/23/23 11:49	--	1

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QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)
Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 2/22/2023 11:30
Date of Analysis: 2/22/2023 16:26
Dup Date of Analysis: 2/22/2023 16:48
Laboratory Sample #: 27690-007
MS/MSD Qualifiers: None
Reference #: NAM 27694

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
EFH as Diesel	250	1000	989	849	74	60	15	8-193	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Octacosane	146	129	☐

LCS	LCSD	Qual
103	100	☐

ACP % RC
40-160

Laboratory Control Sample

Date of Extraction: 2/22/2023 11:30
Date of Analysis: 2/22/2023 15:44
Dup Date of Analysis: 2/22/2023 16:05
Laboratory Sample #: RC0222231
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	1000	813	744	81	74	9	17-180	42	☐

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)
Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 2/22/2023 10:00
Date of Analysis: 2/22/2023 12:33
Dup Date of Analysis: 2/22/2023 12:52
Laboratory Sample #: 27691-001
MS/MSD Qualifiers: None
Reference #: NAM 27694

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	0.250	0.187	0.169	75	68	10	20-144	50	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
α-α-α-Trifluorotoluene	97	89	☐

LCS	LCSD	Qual
90	108	☐

ACP % RC
32-153

Laboratory Control Sample

Date of Extraction: 2/22/2023 10:00
Date of Analysis: 2/22/2023 11:44
Dup Date of Analysis: 2/22/2023 12:13
Laboratory Sample #: LY0222231
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	0.250	0.193	0.198	77	79	3	38-130	27	☐

QA/QC Report
for
Organochlorine Pesticides (EPA 8081A)
Reporting Units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 2/22/2023 9:20
Date of Analysis: 2/24/2023 11:36
Dup Date of Analysis: 2/24/2023 11:50
Laboratory Sample #: 27693-047
MS/MSD Qualifiers: None
Reference #: NAM 27694

Analyte	R	Spike Conc.	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Aldrin	0.00	20.0	10.3	9.95	51	50	3	14-130	28	--
alpha-BHC	0.00	20.0	10.2	10.1	51	50	1	13-130	29	--
beta-BHC	0.00	20.0	11.7	11.4	58	57	3	13-140	26	--
gamma-BHC (Lindane)	0.00	20.0	10.8	10.6	54	53	2	15-130	26	--
4,4'-DDD	0.00	20.0	15.5	15.5	77	77	0	18-169	20	--
4,4'-DDE	0.00	20.0	14.5	14.8	73	74	2	30-165	20	--
4,4'-DDT	0.00	20.0	16.0	15.9	80	79	1	34-170	20	--
delta-BHC	0.00	20.0	12.9	13.0	64	65	1	18-143	27	--
Dieldrin	0.00	20.0	12.7	12.9	63	64	2	24-147	20	--
Endosulfan I	0.00	20.0	11.9	12.0	59	60	1	13-158	23	--
Endosulfan II	0.00	20.0	12.9	12.6	64	63	2	19-143	29	--
Endosulfan sulfate	0.00	20.0	11.9	11.2	59	56	6	D-158	59	--
Endrin	0.00	20.0	13.7	13.9	69	69	1	26-156	25	--
Endrin Aldehyde	0.00	20.0	10.1	9.20	50	46	9	D-148	59	--
Endrin ketone	0.00	20.0	11.4	10.9	57	54	4	D-147	36	--
Heptachlor	0.00	20.0	9.79	9.43	49	47	4	10-130	30	--
Heptachlor epoxide	0.00	20.0	11.5	11.6	57	58	1	19-134	24	--
Methoxychlor	0.00	20.0	14.0	14.1	70	71	1	12-165	32	--

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Decachlorobiphenyl	84	84	☐

LCS	LCSD	Qual
88	79	☐

ACP % RC
35-130

Laboratory Control Sample (LCS) / Laboratory Control Sample Duplicate (LCSD)

Date of Extraction: 2/21/2023 10:30
Date of Analysis: 2/24/2023 11:06
Dup Date of Analysis: 2/24/2023 11:21
Laboratory Sample #: VV0221231
LCS/LCSD Qualifiers: R7,

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Aldrin	20.0	11.6	9.32	58	47	22	7-130	31	--
alpha-BHC	20.0	11.6	9.13	58	46	24	10-130	25	--
beta-BHC	20.0	12.1	9.84	61	49	21	12-137	23	--
gamma-BHC (Lindane)	20.0	11.8	9.40	59	47	23	14-130	22	R7,
4,4'-DDD	20.0	16.2	14.6	81	73	10	25-161	20	--
4,4'-DDE	20.0	15.4	12.9	77	64	18	20-154	20	--

QA/QC Report
for
Organochlorine Pesticides (EPA 8081A)

Reporting Units: ppb

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
4,4'-DDT	20.0	16.9	14.7	84	74	14	26-164	20	--
delta-BHC	20.0	13.2	11.6	66	58	13	17-137	24	--
Dieldrin	20.0	13.6	11.5	68	57	17	18-138	21	--
Endosulfan I	20.0	13.8	10.4	69	52	28	14-142	23	R7,
Endosulfan II	20.0	14.3	13.4	72	67	6	18-148	20	--
Endosulfan sulfate	20.0	13.1	13.3	66	67	2	11-159	32	--
Endrin	20.0	14.5	12.2	73	61	17	22-141	21	--
Endrin Aldehyde	20.0	10.9	10.6	54	53	3	2-140	40	--
Endrin ketone	20.0	12.8	12.4	64	62	3	12-145	22	--
Heptachlor	20.0	11.3	8.91	56	45	24	5-130	29	--
Heptachlor epoxide	20.0	12.4	10.1	62	50	20	14-130	22	--
Methoxychlor	20.0	15.4	12.2	77	61	23	29-157	20	R7,

QA/QC Report
for
Polychlorinated Biphenyl's (EPA 8082)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 2/20/2023 10:00
Date of Analysis: 2/21/2023 10:46
Dup Date of Analysis: 2/21/2023 11:00
Laboratory Sample #: 27671-005
MS/MSD Qualifiers: None
Reference #: NAM 27694

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
PCB-1016	0.00	150	131	119	87	79	10	28-130	28	☐
PCB-1260	0.00	150	138	132	92	88	4	36-132	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Decachlorobiphenyl	67	63	☐

LCS	LCSD	Qual
74	75	☐

ACP % RC
35-130

Laboratory Control Sample

Date of Extraction: 2/20/2023 10:00
Date of Analysis: 2/21/2023 10:16
Dup Date of Analysis: 2/21/2023 10:31
Laboratory Sample #: VV0220231
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
PCB-1016	150	119	117	79	78	2	14-130	31	☐
PCB-1260	150	136	148	91	99	8	42-130	20	☐

QA/QC Report
for
Volatile Organic Compounds (8260B)
Reporting Units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 2/22/2023 9:26
Date of Analysis: 2/22/2023 12:23
Dup Date of Analysis: 2/22/2023 12:45
Laboratory Sample #: 27690-006
MS/MSD Qualifiers: None
Reference #: NAM 27694

Analyte	R	Spike Conc.	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Benzene	0.00	10.0	9.84	9.57	98	96	3	70-138	20	--
Chlorobenzene	0.00	10.0	11.0	10.6	110	106	4	70-132	20	--
1,1-Dichloroethene	0.00	10.0	6.13	6.29	61	63	3	46-130	20	--
Toluene	0.00	10.0	9.84	9.23	98	92	6	70-130	20	--
Trichloroethene	0.00	10.0	10.2	9.85	102	99	3	70-135	20	--

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	113	111	☐	112	109	☐	65-130
Toluene-d8	89	86	☐	90	84	☐	58-130
4-Bromofluorobenzene	78	80	☐	86	74	☐	40-135

Laboratory Control Sample (LCS) / Laboratory Control Sample Duplicate (LCSD)

Date of Extraction: 2/22/2023 9:26
Date of Analysis: 2/22/2023 11:39
Dup Date of Analysis: 2/22/2023 12:01
Laboratory Sample #: HT0222231
LCS/LCSD Qualifiers: None

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Benzene	10.0	10.5	9.80	105	98	7	70-134	20	--
Chlorobenzene	10.0	11.6	10.8	116	108	7	70-130	20	--
1,1-Dichloroethene	10.0	7.24	6.73	72	67	7	48-130	20	--
Toluene	10.0	10.3	9.49	103	95	8	70-130	20	--
Trichloroethene	10.0	10.9	10.3	109	103	6	70-132	20	--

QA/QC Report
for
Semi-Volatile Organic Compounds (8270C)
Reporting Units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 2/21/2023 10:20
Date of Analysis: 2/21/2023 16:23
Dup Date of Analysis: 2/21/2023 16:54
Laboratory Sample #: 27693-026
MS/MSD Qualifiers: M2, M2, S1,
Reference #: NAM 27694

Analyte	R	Spike Conc.	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Acenaphthene	0.00	20.0	12.6	12.5	63	63	1	11-138	20	--
Acenaphthylene	0.00	20.0	12.1	12.2	61	61	1	54-130	32	--
Anthracene	0.00	20.0	10.5	10.3	52	51	2	43-130	30	--
Benz(a)anthracene	0.00	20.0	12.7	12.0	63	60	6	42-133	30	--
Benzo(a)pyrene	0.00	20.0	12.9	12.5	64	63	3	32-148	30	--
Benzo(b)fluoranthene	0.00	20.0	17.5	17.2	88	86	2	42-140	30	--
Benzo(g,h,i)perylene	0.00	20.0	14.8	14.4	74	72	3	D-195	30	--
Benzo(k)fluoranthene	0.00	20.0	19.4	20.5	97	102	6	25-146	30	--
Chrysene	0.00	20.0	14.7	14.6	74	73	1	44-140	35	--
Dibenz(a,h)anthracene	0.00	20.0	13.5	13.2	68	66	2	D-200	35	--
Fluoranthene	0.00	20.0	13.6	13.2	68	66	3	43-130	30	--
Fluorene	0.00	20.0	11.9	11.7	59	58	2	70-130	30	M2,
Indeno(1,2,3-cd)pyrene	0.00	20.0	13.7	13.3	69	67	3	D-151	30	--
Naphthalene	0.00	20.0	12.0	11.9	60	59	1	36-130	30	--
Phenanthrene	0.00	20.0	12.1	11.6	61	58	4	70-130	30	M2,
Pyrene	0.00	20.0	15.8	15.6	79	78	1	25-145	20	--

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Nitrobenzene-d5	133	138	☑

LCS	LCSD	Qual
145	136	☑

ACP % RC
8-134

Laboratory Control Sample (LCS) / Laboratory Control Sample Duplicate (LCSD)

Date of Extraction: 2/21/2023 10:20
Date of Analysis: 2/21/2023 15:19
Dup Date of Analysis: 2/21/2023 15:51
Laboratory Sample #: GS0221231
LCS/LCSD Qualifiers: L2, S1,

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Acenaphthene	20.0	14.4	13.8	72	69	4	24-137	20	--
Acenaphthylene	20.0	14.9	14.0	75	70	6	54-126	32	--
Anthracene	20.0	13.4	12.7	67	63	5	43-118	27	--
Benz(a)anthracene	20.0	15.0	14.3	75	72	5	42-133	21	--

QA/QC Report
for
Semi-Volatile Organic Compounds (8270C)

Reporting Units: ppb

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Benzo(a)pyrene	20.0	14.0	13.9	70	69	1	32-148	26	--
Benzo(b)fluoranthene	20.0	20.9	19.9	104	100	5	42-140	28	--
Benzo(g,h,i)perylene	20.0	16.0	16.1	80	81	1	D-195	30	--
Benzo(k)fluoranthene	20.0	19.8	20.4	99	102	3	25-146	22	--
Chrysene	20.0	16.5	16.1	82	81	2	44-140	35	--
Dibenz(a,h)anthracene	20.0	15.1	15.2	75	76	1	D-200	35	--
Fluoranthene	20.0	15.7	15.2	78	76	3	43-121	27	--
Fluorene	20.0	14.1	13.2	71	66	7	72-108	20	L2,
Indeno(1,2,3-cd)pyrene	20.0	15.4	15.4	77	77	0	D-151	30	--
Naphthalene	20.0	13.6	13.3	68	67	2	36-120	25	--
Phenanthrene	20.0	14.4	14.0	72	70	3	70-130	20	--
Pyrene	20.0	17.2	16.7	86	84	3	27-154	20	--

QA/QC Report
for
Metals

Reference #: NAM 27694 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7471A**

Laboratory Sample #: 27693-001 **Date of Extraction:** 02/21/23 09:40

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Antimony	02/23/23 14:33	02/23/23 14:42	0.00	20.0	3.01	3.30	15	16	9	75-125	20	M2,
Arsenic	02/23/23 14:33	02/23/23 14:42	0.00	20.0	18.8	19.0	94	95	1	75-125	20	--
Barium	02/23/23 14:33	02/23/23 14:42	84.0	20.0	101	100	85	80	1	75-125	20	--
Beryllium	02/23/23 14:33	02/23/23 14:42	0.00	20.0	17.5	17.7	88	89	1	75-125	20	--
Cadmium	02/23/23 14:33	02/23/23 14:42	0.00	20.0	16.4	16.7	82	84	2	75-125	20	--
Chromium	02/23/23 14:33	02/23/23 14:42	12.0	20.0	30.9	31.5	94	98	2	75-125	20	--
Cobalt	02/23/23 14:33	02/23/23 14:42	6.90	20.0	24.2	24.8	87	89	2	75-125	20	--
Copper	02/23/23 14:33	02/23/23 14:42	9.70	20.0	27.7	28.2	90	93	2	75-125	20	--
Lead	02/23/23 14:33	02/23/23 14:42	17.0	20.0	34.8	36.5	89	98	5	75-125	20	--
Molybdenum	02/23/23 14:33	02/23/23 14:42	0.00	20.0	16.0	16.2	80	81	1	75-125	20	--
Nickel	02/23/23 14:33	02/23/23 14:42	7.10	20.0	24.5	25.2	87	91	3	75-125	20	--
Selenium	02/23/23 14:33	02/23/23 14:42	0.00	20.0	17.1	16.8	86	84	2	75-125	20	--
Silver	02/23/23 14:33	02/23/23 14:42	0.00	20.0	18.6	18.8	93	94	1	75-125	20	--
Thallium	02/23/23 14:33	02/23/23 14:42	0.00	20.0	13.8	14.0	69	70	1	75-125	20	M2,
Vanadium	02/23/23 14:33	02/23/23 14:42	28.0	20.0	46.8	47.8	94	99	2	75-125	20	--
Zinc	02/23/23 14:33	02/23/23 14:42	48.0	20.0	69.9	70.2	110	111	0	75-125	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **6010B/7471A**

Laboratory Sample #: HV0221231 **Date of Extraction:** 02/21/23 09:40

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Antimony	02/23/23 14:20	02/23/23 14:30	--	20.0	17.3	20.1	86	101	15	80-120	20	--
Arsenic	02/23/23 14:20	02/23/23 14:30	--	20.0	17.1	19.7	86	99	14	80-120	20	--
Barium	02/23/23 14:20	02/23/23 14:30	--	20.0	17.5	20.6	88	103	16	80-120	20	--
Beryllium	02/23/23 14:20	02/23/23 14:30	--	20.0	16.7	19.7	84	99	16	80-120	20	--
Cadmium	02/23/23 17:52	02/23/23 14:30	--	20.0	18.4	18.8	92	94	2	80-120	20	--
Chromium	02/23/23 14:20	02/23/23 14:30	--	20.0	17.6	20.9	88	104	17	80-120	20	--
Cobalt	02/23/23 14:20	02/23/23 14:30	--	20.0	17.4	21.5	87	108	21	80-120	20	R2,
Copper	02/23/23 14:20	02/23/23 14:30	--	20.0	16.4	20.1	82	101	20	80-120	20	--
Lead	02/23/23 14:20	02/23/23 14:30	--	20.0	17.8	20.4	89	102	14	80-120	20	--
Molybdenum	02/23/23 14:20	02/23/23 14:30	--	20.0	16.9	19.5	84	98	14	80-120	20	--
Nickel	02/23/23 14:20	02/23/23 14:30	--	20.0	18.4	21.5	92	108	16	80-120	20	--
Selenium	02/23/23 14:20	02/23/23 14:30	--	20.0	16.1	19.1	81	96	17	80-120	20	--
Silver	02/23/23 14:20	02/23/23 14:30	--	20.0	19.4	20.8	97	104	7	80-120	20	--
Thallium	02/23/23 14:20	02/23/23 14:30	--	20.0	17.8	19.8	89	99	11	80-120	20	--
Vanadium	02/23/23 14:20	02/23/23 14:30	--	20.0	16.3	19.1	81	96	16	80-120	20	--
Zinc	02/23/23 14:20	02/23/23 14:30	--	20.0	17.5	20.2	88	101	14	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7471A**

Laboratory Sample #: 27693-003 **Date of Extraction:** 02/21/23 10:15

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Arsenic	02/23/23 11:56	02/23/23 12:15	0.00	20.0	19.1	20.3	96	101	6	75-125	20	--
Lead	02/23/23 11:56	02/23/23 12:15	5.60	20.0	22.1	23.9	83	91	8	75-125	20	--

QA/QC Report
for
Metals

Reference #: NAM 27694 Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **6010B/7471A**

Laboratory Sample #: HV0221232 **Date of Extraction:** 02/21/23 10:15

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Arsenic	02/23/23 11:51	02/23/23 11:53	--	20.0	18.1	17.8	91	89	2	80-120	20	--
Lead	02/23/23 11:51	02/23/23 11:53	--	20.0	19.3	19.0	96	95	2	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7471A**

Laboratory Sample #: 27693-001 **Date of Extraction:** 02/21/23 17:00

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Mercury	02/23/23 13:34	02/23/23 12:35	0.22	1.00	0.827	0.830	61	61	0	80-120	20	M2,

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **6010B/7471A**

Laboratory Sample #: HV0221233 **Date of Extraction:** 02/21/23 17:00

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Mercury	02/27/23 15:13	02/27/23 15:14	--	1.00	1.13	1.13	113	113	0	80-120	20	--

Data Qualifier Definitions

Qualifier

D1 = Sample required dilution due to matrix.

L2 = The associated blank spike recovery was below laboratory acceptance limits.

GS0221231	8270C	Fluorene	LCS/LCSD

M2 = Matrix spike recovery was low, the associated blank spike recovery was acceptable.

27693-001	6010B	Antimony	MS/MSD
27693-001	6010B	Mercury	MS/MSD
27693-001	6010B	Thallium	MS/MSD
27693-026	8270C	Phenanthrene	MS/MSD

M2 = Matrix spike recovery was low.

27693-026	8270C	Fluorene	MS/MSD

R2 = RPD/RSD exceeded the laboratory acceptance limit.

HV0221231	6010B	Cobalt	LCS/LCSD

R7 = LFB/LFBD RPD exceeded the laboratory acceptance limit. Recovery met acceptance criteria.

VV0221231	8081A	Endosulfan I	LCS/LCSD
VV0221231	8081A	gamma-BHC (Lindane)	LCS/LCSD
VV0221231	8081A	Methoxychlor	LCS/LCSD

S1 = Surrogate recovery was above laboratory acceptance limits.

27693-026	8270C	Nitrobenzene-d5	MSD
GS0221231	8270C	Nitrobenzene-d5	LCS/LCSD

S8 = The analysis of the sample required a dilution such that the surrogate recovery calculation does not provide any useful information. The associated blank spike recovery was acceptable.

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & C[illegible] of Custody Record

ORANGE COAST ANALYTICAL, INC. www.ocalab.com

3002 Dow Avenue, Suite 532
Tustin, CA 92780
Phone: (714) 832-0064 Fax: (714) 832-0067

4620 East Elwood Street, Suite 4
Phoenix, AZ 85040
Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 27094 Page: 1 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC

REQUESTED TURN-AROUND-TIME
Standard: X
72 Hour:
48 Hour:
24 Hour:

ANALYSIS REQUEST / PRESERVATION

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
1	B31-0.5	1	2/20/23	0730	SS	9oz jar				X							
2	B31-2.5			0732													Hold
3	B20-0.5			0750			X	X			X	X	X	X			
4	B20-2.5			0752													Hold
5	B20-5			0758													Hold
6	B21-0.5			0803			X	X		X							
7	B21-2.5			0805													Hold
8	B21-5			0808													Hold
9	B19-0.5			0820			X	X									
10	B19-2.5			0825													Hold
11	B19-5			0829													Hold
12	B23-0.5			0842			X	X			X	X	X	X			
13	B23-2.5			0844													Hold
14	B23-5			0847													Hold

No. of Samples: 14 Method of Shipment: Hand delivered Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date: 2/20/23 Time: 1616	Received By:	Date: Time:	Sample Matrix:
Company: Ninyo & Moore		Company:		DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other
Relinquished By:	Date: Time:	Received By:	Date: Time:	
Company:		Company:		
Relinquished By:	Date: Time:	Received For OCA By: [signature]	Date: 2-20-23 Time: 1616	Sample Integrity: Intact: ____ On Ice Yes / No @ 4.0+0.2 4.0 3 °C
Company:		Company: OCA, CA		

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC. www.ocalab.com

3002 Dow Avenue, Suite 532
Tustin, CA 92780
Phone: (714) 832-0064 Fax: (714) 832-0067

4620 East Elwood Street, Suite 4
Phoenix, AZ 85040
Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 270694 Page: 2 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard	Address (City / State):	Los Angeles, CA
	Irvine, CA 92618	EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME: Standard: X; 72 Hour: ; 48 Hour: ; 24 Hour:

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
15	B24-0.5	1	2/20/23	0900	SS	9oz jar	X	X									
16	B24-2.5			0905													Hold
17	B24-5			0910													Hold
18	B25-0.5			0938			X	X			X	X	X	X			
19	B25-2.5			0940													Hold
20	B25-5			0947													Hold
21	B26-0.5			1005			X	X			X	X	X	X			
22	B26-2.5			1009													Hold
23	B26-5			1012													Hold
24	B30-0.5			1025			X	X									
25	B30-2.5			1028													Hold
26	B30-5			1031													Hold
27	B29-0.5			1055			X	X		X							
28	B29-2.5			1100													Hold

No. of Samples: 14 Method of Shipment: Hand delivered

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date: 2/20/23 Time: 1616 Company: Ninyo + Moore	Received By:	Date: Time: Company:
Relinquished By:	Date: Time: Company:	Received By:	Date: Time: Company:
Relinquished By:	Date: Time: Company:	Received For OCA By:	Date: 2-20-23 Time: 1616 Company: OCA, LR

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: 4.0 to 4.0 °C

Intact: ____ On Ice: (Yes) No @ 2 & 3 °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.

3002 Dow Avenue, Suite 532
Tustin, CA 92780
Phone: (714) 832-0064 Fax: (714) 832-0067

www.ocalab.com

4620 East Elwood Street, Suite 4
Phoenix, AZ 85040
Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 270994 Page: 3 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard	Address (City / State):	Los Angeles, CA
	Irvine, CA 92618	EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME: Standard: X; 72 Hour: ; 48 Hour: ; 24 Hour:

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
29	B29-5	1	2/20/23	1103	SS	9oz jar											Hold
30	B28-0.5			1158			X	X									
31	B28-2.5			1203													Hold
32	B28-5			1204													Hold
33	B27-0.5			219			X	X									
34	B27-2.5			1221													Hold
25	B27-5			1223													Hold
36	B32-2.5	5		1252		9oz jar/4 VOAs			X		X				X	X	
37	B32-5	5		1256		9oz jar/4 VOAs			X		X				X	X	
38	B32-10			1304		9oz. jar											Hold
39	B33-2.5	5		1339		9oz/4 VOAs			X		X				X	X	
40	B33-5	5		1342		1			X		X				X	X	
41	B33-10			1356		9oz. jar											Hold
42	B34-2.5	5		1419		9oz jar/4 VOAs			X		X				X	X	

No. of Samples: 14 Method of Shipment: Hand delivered

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date: 2/20/23 Time: 1616 Company: Ninyo & Moore	Received By:	Date: Time: Company:
Relinquished By:	Date: Time: Company:	Received By:	Date: Time: Company:
Relinquished By:	Date: Time: Company:	Received For OCA By:	Date: 2-20-23 Time: 1616 Company: OCA, LA

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: 4.0 + 0.2 = 4.2°C

Intact: ____ On Ice: (Yes) / No @ 4.3 °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Sample Receipt Report

Laboratory Reference: NAM 27694 Logged in by: HC

Received:	02/20/23 16:16	Company Name:	Ninyo & Moore
Method of Shipment:	Hand Delivered	Project Manager:	Mr. Dennis Fee
Shipping Container:	Cooler	Project Name:	LAUSD 49th Street PEA
# Shipping Containers:	1	Project #:	211936010

Sample Quantity
42 Soil

Chain of Custody		Complete ☑	Incomplete ☐	None ☐
Samples On Ice		Yes, Wet ☑	Yes, Blue ☐	No ☐
Observed Temp. (°C):	4	Thermometer ID: IR#3	Adjusted Temp.:	4+0=4
Shipping Intact		Yes ☑	N/A ☐	No ☐
Shipping Custody Seals Intact		Yes ☐	N/A ☑	No ☐
Samples Intact		Yes ☑		No ☐
Sample Custody Seals Intact		Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated		Yes ☐	N/A ☑	No ☐
Proper Test Containers		Yes ☑		No ☐
Proper Test Preservations		Yes ☑		No ☐
Samples Within Hold Times		Yes ☑		No ☐
VOAs Have Zero Headspace		Yes ☐	N/A ☑	No ☐
Sample Labels		Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC		Yes ☑	N/A ☐	No ☐

Notes

Client Notified _____ By _____ On _____

LA Testing
5431 Industrial Drive, Huntington Beach, CA 92649
Phone/Fax: (714) 828-4999 / (714) 828-4944
http://www.LATesting.com gardengrovelab@latesting.com

LA Testing Order:	332303090
CustomerID:	32ORAN77
CustomerPO:	
ProjectID:	

Attn: **Mark Noorani**
Orange Coast Analytical, Inc.
3002 Dow Avenue
Suite 532
Tustin, CA 92780

Phone:	(714) 832-0064
Fax:	(714) 832-0067
Received:	2/22/2023 10:35 AM
Analysis Date:	2/28/2023
Collected:	2/20/2023

Test Report: Asbestos Analysis via P larized Light Micr scopy, Qualitative

ample	Description	Appearance	Result	Notes
1 *332303090-0001*	B20-0.5	Brown/White Fibrous Heterogeneous	**Chrysotile**	
2 *332303090-0002*	B23-0.5	Brown/Black/Clear Fibrous Heterogeneous	**None Detected**	
3 *332303090-0003*	B25-0.5	Brown/Gray Non-Fibrous Heterogeneous	**None Detected**	
4 *332303090-0004*	B26-0.5	Brown/Red/Black Non-Fibrous Heterogeneous	**None Detected**	

Analyst(s)

Rammy Nasry (2)
Tony Salgado (2)

Michael Chapman

Michael Chapman, Laboratory Manager
or other approved signatory

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. LA Testing suggests that samples reported as none detected undergo additional analysis via TEM to avoid the possibility of false negatives.

Samples analyzed by LA Testing Huntington Beach, CA

Initial report from 02/28/2023 14:19:09

OrderID: 332303090

Asbestos Chain of Custody

LA Testing Order Number *(Lab Use Only)*:

#332303090

LA TESTING
5431 INDUSTRIAL DRIVE
HUNTINGTON BEACH, CA
92649
PHONE: (714)828-4999
FAX: (714)761-2713

Company : Orange Coast Analytical	**LA Testing-Bill to:** ☒ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 3002 Dow Ave, Ste 532	
City: Tustin / **State/Province: CA**	**Zip/Postal Code: 92780** / **Country: USA**
Report To (Name): Mark Noorani	**Fax #:**
Telephone #: 7148320064	**Email Address: markn@ocalab.com, ocalab@sbcglobal.net**
Project Name/Number:	
Please Provide Results: ☐ Fax ☒ Email / **Purchase Order: 27694**	**U.S. State Samples Taken: Yes**

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hours ☐ 6 Hours ☐ 24 Hrs ☐ 48 Hrs ☐ 3 Days ☐ 4 Days ☒ 5 Days ☐ 10 Days

**For TEM Air 3 hours/6 hours, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with LA Testing's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM - Air
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ EPA Protocol (Semi-Quantitative)
- ☐ EPA Protocol (Quantitative)

Other:
- ☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group**

Samplers Name: | **Samplers Signature:**

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1	B20-0.5		2/20/23 0750
2	B23-0.5		2/20/23 0842
3	B25-0.5		2/20/23 00938
4	B26-0.5		2/20/23 1005

Client Sample # (s): -

Total # of Samples: 4

Relinquished (Client): OCALA **Date:** 2/21/23 **Time:** 1500

Received (Lab): Emily Mendoza (courier) **Date:** 2/22/23 **Time:** 10:35AM

Comments/Special Instructions: PLM Qualitative

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mark Noorani
Orange Coast Analytical Inc
3002 Dow Ave,
Suite 532
Tustin, California 92780

Generated 2/28/2023 10:43:53 AM

JOB DESCRIPTION

211936010

JOB NUMBER

570-128723-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

my EOL

Eurofins Calscience

Job Notes

This report is issued solely for the use of the person or company to whom it is addressed. Any use, copying or disclosure other than by the intended recipient is unauthorized. If you have received this report in error, please notify the sender and destroy this report immediately. This report shall not be reproduced except in full, without prior express written approval by the laboratory.

The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization



Generated
2/28/2023 10:43:53 AM

Authorized for release by
Sandy Tat, Project Manager I
Sandy.Tat@et.eurofinsus.com
(714)895-5494

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Definitions/Glossary

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-128723-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-128723-1

Job ID: 570-128723-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-128723-1

Comments
No additional comments.

Receipt
The samples were received on 2/22/2023 1:54 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.1° C.

HPLC/IC
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-128723-1

Client Sample ID: B20-0.5 — Lab Sample ID: 570-128723-1

No Detections.

Client Sample ID: B23-0.5 — Lab Sample ID: 570-128723-2

No Detections.

Client Sample ID: B25-0.5 — Lab Sample ID: 570-128723-3

No Detections.

Client Sample ID: B26-0.5 — Lab Sample ID: 570-128723-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium, hexavalent	230	J	400	190	ug/Kg	10		7199	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-128723-1

Method: SW846 7199 - Chromium, Hexavalent (IC)

Client Sample ID: B20-0.5
Date Collected: 02/20/23 07:50
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128723-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		400	190	ug/Kg		02/27/23 01:30	02/27/23 04:19	10

Client Sample ID: B23-0.5
Date Collected: 02/20/23 08:42
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128723-2
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		400	190	ug/Kg		02/27/23 01:30	02/27/23 05:44	10

Client Sample ID: B25-0.5
Date Collected: 02/20/23 09:38
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128723-3
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		400	190	ug/Kg		02/27/23 01:30	02/27/23 05:55	10

Client Sample ID: B26-0.5
Date Collected: 02/20/23 10:05
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128723-4
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	**230**	**J**	400	190	ug/Kg		02/27/23 01:30	02/27/23 06:07	10

QC Sample Results

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-128723-1

Method: 7199 - Chromium, Hexavalent (IC)

Lab Sample ID: MB 570-307132/1-A
Matrix: Solid
Analysis Batch: 307133

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 307132

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		400	190	ug/Kg		02/27/23 01:30	02/27/23 03:36	10

Lab Sample ID: LCS 570-307132/2-A
Matrix: Solid
Analysis Batch: 307133

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 307132

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent			20100	19250		ug/Kg		96	80 - 120		

Lab Sample ID: LCSD 570-307132/3-A
Matrix: Solid
Analysis Batch: 307133

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 307132

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent			20000	22350		ug/Kg		112	80 - 120	15	20

Lab Sample ID: 570-128723-1 MS
Matrix: Solid
Analysis Batch: 307133

Client Sample ID: B20-0.5
Prep Type: Total/NA
Prep Batch: 307132

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent	ND		19900	21790		ug/Kg		109	75 - 125		

Lab Sample ID: 570-128723-1 MSD
Matrix: Solid
Analysis Batch: 307133

Client Sample ID: B20-0.5
Prep Type: Total/NA
Prep Batch: 307132

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	ND		20200	18180		ug/Kg		90	75 - 125	18	25

QC Association Summary

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-128723-1

HPLC/IC

Prep Batch: 307132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128723-1	B20-0.5	Total/NA	Solid	3060A	
570-128723-2	B23-0.5	Total/NA	Solid	3060A	
570-128723-3	B25-0.5	Total/NA	Solid	3060A	
570-128723-4	B26-0.5	Total/NA	Solid	3060A	
MB 570-307132/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 570-307132/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSD 570-307132/3-A	Lab Control Sample Dup	Total/NA	Solid	3060A	
570-128723-1 MS	B20-0.5	Total/NA	Solid	3060A	
570-128723-1 MSD	B20-0.5	Total/NA	Solid	3060A	

Analysis Batch: 307133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-128723-1	B20-0.5	Total/NA	Solid	7199	307132
570-128723-2	B23-0.5	Total/NA	Solid	7199	307132
570-128723-3	B25-0.5	Total/NA	Solid	7199	307132
570-128723-4	B26-0.5	Total/NA	Solid	7199	307132
MB 570-307132/1-A	Method Blank	Total/NA	Solid	7199	307132
LCS 570-307132/2-A	Lab Control Sample	Total/NA	Solid	7199	307132
LCSD 570-307132/3-A	Lab Control Sample Dup	Total/NA	Solid	7199	307132
570-128723-1 MS	B20-0.5	Total/NA	Solid	7199	307132
570-128723-1 MSD	B20-0.5	Total/NA	Solid	7199	307132

Lab Chronicle

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-128723-1

Client Sample ID: B20-0.5
Date Collected: 02/20/23 07:50
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128723-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.53 g	100 mL	307132	02/27/23 01:30	YO8L	EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	307133	02/27/23 04:19	YO8L	EET CAL 4
	Instrument ID: IC33									

Client Sample ID: B23-0.5
Date Collected: 02/20/23 08:42
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128723-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.52 g	100 mL	307132	02/27/23 01:30	YO8L	EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	307133	02/27/23 05:44	YO8L	EET CAL 4
	Instrument ID: IC33									

Client Sample ID: B25-0.5
Date Collected: 02/20/23 09:38
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128723-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.49 g	100 mL	307132	02/27/23 01:30	YO8L	EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	307133	02/27/23 05:55	YO8L	EET CAL 4
	Instrument ID: IC33									

Client Sample ID: B26-0.5
Date Collected: 02/20/23 10:05
Date Received: 02/22/23 13:54

Lab Sample ID: 570-128723-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.51 g	100 mL	307132	02/27/23 01:30	YO8L	EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	307133	02/27/23 06:07	YO8L	EET CAL 4
	Instrument ID: IC33									

Laboratory References:
EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-128723-1

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-24

Method Summary

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-128723-1

Method	Method Description	Protocol	Laboratory
7199	Chromium, Hexavalent (IC)	SW846	EET CAL 4
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET CAL 4

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-128723-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-128723-1	B20-0.5	Solid	02/20/23 07:50	02/22/23 13:54
570-128723-2	B23-0.5	Solid	02/20/23 08:42	02/22/23 13:54
570-128723-3	B25-0.5	Solid	02/20/23 09:38	02/22/23 13:54
570-128723-4	B26-0.5	Solid	02/20/23 10:05	02/22/23 13:54

128723

eurofins | Calscience

CHAIN OF CUSTODY RECORD

7440 Lincoln Way Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information contact us26_sales@eurofinsus com or call us.

WO #/ LAB USE ONLY

DATE:

PAGE. 1 OF 1

LABORATORY CLIENT: Orange Coast Analytical, Inc.

ADDRESS: 3002 Dow Ave, Ste 532

CITY: Tustin STATE: CA ZIP: 92780

TEL: 7148320064 E-MAIL: markn@ocalab com

CLIENT PROJECT NAME / NUMBER: 211936010

P O NO: 27694

PROJECT CONTACT: Mark Noorani

SAMPLER(S) (PRINT): Miriam

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS

REQUESTED ANALYSES

Please check box or fill in blank as needed

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO OF CONT	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218 6	TOC	OPPs by 8141	Cu by 1640	
1	B20-0 5	2/20/23	7 50	SS	1																	X				
2	B23-0 5	2/20/23	8 42	SS	1																	X				
3	B25-0 5	2/20/23	9 38	SS	1																	X				
4	B26-0 5	2/20/23	10 05	SS	1																	X				

570-128723 Chain of Custody

Relinquished by: (Signature) 2/22/23 13:54	Received by: (Signature/Affiliation) EC	Date. 2-22-23	Time 13:54
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date.	Time
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date.	Time:

2.1 / 2.1 SC11

Login Sample Receipt Checklist

Client: Orange Coast Analytical Inc

Job Number: 570-128723-1

Login Number: 128723
List Number: 1
Creator: Patel, Jayesh

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Orange Coast Analytical, Inc.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.:2576
Expiration Date: 2023
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:
Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 27694B
Project Name:	LAUSD 49th Street PEA
Project Number:	211936010
Date Received:	3/29/2023
Date Reported:	4/6/2023
Chain of Custody Received:	☑
Analytical Method:	8082,

Mark Noorani, Laboratory Director

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Rev1.0

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27694B
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 4ºC, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27694B
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B21-0.5	27694-006	2/20/2023	2/20/2023	Soil
B19-0.5	27694-009	2/20/2023	2/20/2023	Soil
B23-0.5	27694-012	2/20/2023	2/20/2023	Soil
B24-0.5	27694-015	2/20/2023	2/20/2023	Soil
B28-0.5	27694-030	2/20/2023	2/20/2023	Soil
B27-0.5	27694-033	2/20/2023	2/20/2023	Soil

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Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27694B
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B21-0.5	27694-006	2/20/2023 16:16	2/20/2023 8:03	3/29/2023 12:52	3/31/2023 20:31	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<100
PCB-1221	11104-28-2	<100
PCB-1232	11141-16-5	<100
PCB-1242	53469-21-9	<100
PCB-1248	12672-29-6	<100
PCB-1254	11097-69-1	<100
PCB-1260	11096-82-5	<100

Surrogate: % RC*
Decachlorobiphenyl 93
* Acceptable Recovery: 35-130 %
Dilution Factor: 4
Data Qualifiers: D1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B19-0.5	27694-009	2/20/2023 16:16	2/20/2023 8:20	3/29/2023 12:52	3/31/2023 18:49	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	420
PCB-1221	11104-28-2	<75
PCB-1232	11141-16-5	<75
PCB-1242	53469-21-9	<75
PCB-1248	12672-29-6	<75
PCB-1254	11097-69-1	250
PCB-1260	11096-82-5	97

Surrogate: % RC*
Decachlorobiphenyl 97
* Acceptable Recovery: 35-130 %
Dilution Factor: 3
Data Qualifiers: D2,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B23-0.5	27694-012	2/20/2023 16:16	2/20/2023 8:42	3/29/2023 12:52	3/31/2023 20:45	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<200
PCB-1221	11104-28-2	<200
PCB-1232	11141-16-5	<200
PCB-1242	53469-21-9	<200
PCB-1248	12672-29-6	<200
PCB-1254	11097-69-1	<200
PCB-1260	11096-82-5	<200

Surrogate: % RC*
Decachlorobiphenyl 70
* Acceptable Recovery: 35-130 %
Dilution Factor: 8
Data Qualifiers: D1,

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27694B
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B24-0.5	27694-015	2/20/2023 16:16	2/20/2023 9:00	3/29/2023 12:52	3/31/2023 21:00	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<200
PCB-1221	11104-28-2	<200
PCB-1232	11141-16-5	<200
PCB-1242	53469-21-9	<200
PCB-1248	12672-29-6	<200
PCB-1254	11097-69-1	<200
PCB-1260	11096-82-5	<200

Surrogate: % RC*
Decachlorobiphenyl 69
* Acceptable Recovery: 35-130 %
Dilution Factor: 8
Data Qualifiers: D1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B28-0.5	27694-030	2/20/2023 16:16	2/20/2023 11:58	3/29/2023 12:52	3/31/2023 21:14	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate: % RC*
Decachlorobiphenyl 84
* Acceptable Recovery: 35-130 %
Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B27-0.5	27694-033	2/20/2023 16:16	2/20/2023 12:19	3/29/2023 12:52	3/31/2023 21:29	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate: % RC*
Decachlorobiphenyl 88
* Acceptable Recovery: 35-130 %
Dilution Factor: 1
Data Qualifiers: None

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27694B
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBVV0329231			3/29/2023 12:52	3/31/2023 17:36	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	89

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

QA/QC Report
for
Polychlorinated Biphenyl's (EPA 8082)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 3/29/2023 12:52
Date of Analysis: 3/31/2023 18:20
Dup Date of Analysis: 3/31/2023 18:34
Laboratory Sample #: 27694-009
MS/MSD Qualifiers: None
Reference #: NAM 27694B

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
PCB-1016	420	150	472	483	35	42	2	28-130	28	☐
PCB-1260	97.0	150	222	212	83	77	5	36-132	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Decachlorobiphenyl	92	103	☐

LCS	LCSD	Qual
93	99	☐

ACP % RC
35-130

Laboratory Control Sample

Date of Extraction: 3/29/2023 12:52
Date of Analysis: 3/31/2023 17:50
Dup Date of Analysis: 3/31/2023 18:05
Laboratory Sample #: VV0329231
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
PCB-1016	150	108	108	72	72	0	14-130	31	☐
PCB-1260	150	118	124	79	83	5	42-130	20	☐

Data Qualifier Definitions

Qualifier

D1 = Sample required dilution due to matrix.
D2 = Sample required dilution due to high concentration of target analyte.

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & C[illegible] of Custody Record

ORANGE COAST ANALYTICAL, INC. www.ocalab.com

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Tustin, CA 92780
Phone: (714) 832-0064 Fax: (714) 832-0067

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Phoenix, AZ 85040
Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 27094 Page: 1 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC

REQUESTED TURN-AROUND-TIME
Standard: X
72 Hour:
48 Hour:
24 Hour:

ANALYSIS REQUEST / PRESERVATION

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
1	B31-0.5	1	2/20/23	0730	SS	9oz jar				X							
2	B31-2.5			0732													Hold
3	B20-0.5			0750			X	X			X	X	X	X			
4	B20-2.5			0752													Hold
5	B20-5			0758													Hold
6	B21-0.5			0803			X	X		X							
7	B21-2.5			0805													Hold
8	B21-5			0808													Hold
9	B19-0.5			0820			X	X									
10	B19-2.5			0825													Hold
11	B19-5			0829													Hold
12	B23-0.5			0842			X	X			X	X	X	X			
13	B23-2.5			0844													Hold
14	B23-5			0847													Hold

No. of Samples: 14 Method of Shipment: Hand delivered Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date: 2/20/23 Time: 1616	Received By:	Date: Time:	Sample Matrix:
Company: Ninyo & Moore		Company:		DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other
Relinquished By:	Date: Time:	Received By:	Date: Time:	
Company:		Company:		
Relinquished By:	Date: Time:	Received For OCA By: [signature]	Date: 2-20-23 Time: 1616	Sample Integrity:
Company:		Company: OCA, CA		Intact: ____ On Ice Yes / No @ 4.0+0.4 °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC. www.ocalab.com

3002 Dow Avenue, Suite 532
Tustin, CA 92780
Phone: (714) 832-0064 Fax: (714) 832-0067

4620 East Elwood Street, Suite 4
Phoenix, AZ 85040
Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 270694 Page: 2 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard	Address (City / State):	Los Angeles, CA
	Irvine, CA 92618	EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME: Standard: X; 72 Hour: ; 48 Hour: ; 24 Hour:

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
15	B24-0.5	1	2/20/23	0900	SS	9oz jar	X	X									
16	B24-2.5			0905													Hold
17	B24-5			0910													Hold
18	B25-0.5			0938			X	X			X	X	X	X			
19	B25-2.5			0940													Hold
20	B25-5			0947													Hold
21	B26-0.5			1005			X	X			X	X	X	X			
22	B26-2.5			1009													Hold
23	B26-5			1012													Hold
24	B30-0.5			1025			X	X									
25	B30-2.5			1028													Hold
26	B30-5			1031													Hold
27	B29-0.5			1055			X	X		X							
28	B29-2.5			1100													Hold

No. of Samples: 14 Method of Shipment: Hand delivered

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date: 2/20/23 Time: 1616 Company: Ninyo + Moore	Received By:	Date: Time: Company:
Relinquished By:	Date: Time: Company:	Received By:	Date: Time: Company:
Relinquished By:	Date: Time: Company:	Received For OCA By:	Date: 2-20-23 Time: 1616 Company: OCA, LR

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: 4.0 to 4.0 °C

Intact: ____ On Ice: (Yes) No @ 2 & 3 °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & C[illegible] of Custody Record

ORANGE COAST ANALYTICAL, INC. www.ocalab.com

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Phoenix, AZ 85040
Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 27094 Page: 3 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC

REQUESTED TURN-AROUND-TIME
Standard: X
72 Hour:
48 Hour:
24 Hour:

ANALYSIS REQUEST / PRESERVATION

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
29	B29-5	1	2/20/23	1103	SS	9oz jar											Hold
30	B28-0.5			1158			X	X									
31	B28-2.5			1203													Hold
32	B28-5			1204													Hold
33	B27-0.5			1219			X	X									
34	B27-2.5			1221													Hold
25	B27-5			1223													Hold
36	B32-2.5	5		1252		9oz jar/4VOAs			X		X				X	X	
37	B32-5	5		1256		9oz jar/4VOAs			X		X				X	X	
38	B32-10			1304		9oz jar											Hold
39	B33-2.5	5		1339		9oz/4VOAs			X		X				X	X	
40	B33-5	5		1342					X		X				X	X	
41	B33-10			1356		9oz jar											Hold
42	B34-2.5	5		1419		9oz jar/4VOAs			X		X				X	X	

No. of Samples: 14 Method of Shipment: Hand delivered

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date:	Received By:	Date:
[signature]	2/20/23		
	Time: 1616		Time:
Company: Ninyo & Moore		Company:	
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By:	Date:	Received For OCA By: [signature]	Date: 2-20-23
	Time:		Time: 1616
Company:		Company: OCA, CA	

Sample Matrix:
GW - Groundwater
WW - Wastewater
SW - Stormwater
DW - Drinking Water
AQ - Aqueous
SS - Soil / Solid
OT - Other

Sample Integrity: 4.0 +0.2 4.5°C
Intact: _____ On Ice: Yes / No @ IR#3 °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Sample Receipt Report

Laboratory Reference: NAM 27694 Logged in by: HC

Received:	02/20/23 16:16	Company Name:	Ninyo & Moore
Method of Shipment:	Hand Delivered	Project Manager:	Mr. Dennis Fee
Shipping Container:	Cooler	Project Name:	LAUSD 49th Street PEA
# Shipping Containers:	1	Project #:	211936010

Sample Quantity
42 Soil

Chain of Custody		Complete ☑	Incomplete ☐	None ☐
Samples On Ice		Yes, Wet ☑	Yes, Blue ☐	No ☐
Observed Temp. (°C):	4	Thermometer ID: IR#3	Adjusted Temp.:	4+0=4
Shipping Intact		Yes ☑	N/A ☐	No ☐
Shipping Custody Seals Intact		Yes ☐	N/A ☑	No ☐
Samples Intact		Yes ☑		No ☐
Sample Custody Seals Intact		Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated		Yes ☐	N/A ☑	No ☐
Proper Test Containers		Yes ☑		No ☐
Proper Test Preservations		Yes ☑		No ☐
Samples Within Hold Times		Yes ☑		No ☐
VOAs Have Zero Headspace		Yes ☐	N/A ☑	No ☐
Sample Labels		Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC		Yes ☑	N/A ☐	No ☐

Notes

Client Notified _____ By _____ On _____

LA Testing
5431 Industrial Drive, Huntington Beach, CA 92649
Phone/Fax: (714) 828-4999 / (714) 828-4944
http://www.LATesting.com gardengrovelab@latesting.com

LA Testing Order:	332305791
CustomerID:	32ORAN77
CustomerPO:	27694B
ProjectID:	

Attn: **Mark Noorani**
Orange Coast Analytical, Inc.
3002 Dow Avenue
Suite 532
Tustin, CA 92780

Phone:	(714) 832-0064
Fax:	(714) 832-0067
Received:	3/30/2023 10:35 AM
Analysis Date:	4/6/2023
Collected:	2/20/2023

Project: **211936010**

Test Report: Asbestos Analysis via Polarized Light Microscopy, Qualitative

Sample	Description	Appearance	Result	Notes
B21-0.5 *332305791-0001*		Brown/Gray/Tan Non-Fibrous Heterogeneous	**None Detected**	
B19-0.5 *332305791-0002*		Brown/Gray/Tan Non-Fibrous Heterogeneous	**None Detected**	
B23-0.5 *332305791-0003*		Brown/Tan/Black Non-Fibrous Heterogeneous	**None Detected**	
B24-0.5 *332305791-0004*		Brown/Gray/Black Non-Fibrous Heterogeneous	**None Detected**	
B28-0.5 *332305791-0005*		Brown Non-Fibrous Homogeneous	**None Detected**	
B27-0.5 *332305791-0006*		Brown Non-Fibrous Homogeneous	**None Detected**	

Analyst(s)

Alexis Rodriguez (4)
Tony Salgado (2)

Michael Chapman

Michael Chapman, Laboratory Manager
or other approved signatory

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. LA Testing suggests that samples reported as none detected undergo additional analysis via TEM to avoid the possibility of false negatives.

Samples analyzed by LA Testing Huntington Beach, CA

Initial report from 04/06/2023 09:25:43

OrderID: 332305791

LA TESTING
5431 INDUSTRIAL DRIVE
HUNTINGTON BEACH, CA
92649
PHONE: (714)828-4999
FAX: (714)761-2713

Asbestos Chain of Custody

LA Testing Order Number *(lab use only)*: #332305791

Company Name : Orange Coast Analytical, Inc.		**LA Testing Customer ID:**	
Street: 3002 Dow Ave. #532		**City:** Tustin	**State or Province:** CA
Zip/Postal Code: 92780	**Country:** USA	**Telephone #:** 7148320064	**Fax #:**
Report To (Name): Mark Noorani		**Please Provide Results via:** ☐ Fax ☒ Email	
email Address: ocalab@sbcglobal.net/markn@ocalab.com		**Purchase Order Number:** 27694B	
Client Project ID: 211936010		**LA Testing Project ID** *(internal use only)*:	
State or Province Collected: CA		**CT only** ☐ **Commercial/Taxable** ☐ **Residential/Tax Exempt**	

LAT Bill to: ☒ Same ☐ Different - *If bill to is different note instructions in comment. Third party billing requires written authorization.*

Turnaround Time (TAT) Options Please Check

☐ 3 Hr[1]	☐ 4-4.5Hr[1] AHERA Only	☐ 6 Hr[1]	☐ 24 Hr	☐ 32 Hr[2]	☐ 48 Hr	☐ 72 Hr	☐ 96 Hr	☒ 1 Week	☐ 2 Week

[1]*Premium Service Charge applies for 3 Hour TEM AHERA or EPA Level II TAT – you will be asked to sign an authorization form. TEM Air 3-6 Hour, please call ahead to schedule*
[2] *32 Hour TAT available for select tests only; samples must be submitted by 11:30 am.*

PCM - Air
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable - NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NYS 198.8 SOF-V
- ☐ NIOSH 9002 (<1%)

TEM – Air[1]
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)*

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Settled Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil – Rock – Vermiculite (reporting limit)
- ☐ PLM EPA 600/R-93/116 with milling prep (<0.25%)
- ☐ TEM EPA 600/R-93/116 with milling prep (<0.1%)*
- ☐ TEM Qualitative via Filtration Prep
- ☐ TEM Qualitative via Drop Mount Prep
- ☐ Cincinnati Method EPA 600/R-04/004 – PLM/TEM

**Lower reporting limits avaialble on request*

Other test (please specify):

☐ **Stop At First Positive** *(clearly identify homogenous areas below)*

Filter Pore Size (Air Samples): ☐ 0.8µm ☐ 0.45µm

Sampler's Name:

Sampler's Signature:

Sample #	Sample Description/Location	Volume, Area or Homogenous Area	Date/Time Sampled
	B21-0.5		2/20/23 @ 0803
	B19-0.5		2/20/23 @ 0820
	B23-0.5		2/20/23 @ 0842
	B24-0.5		2/20/23 @ 0900
	B28-0.5		2/20/23 @ 1158

Client Sample # (s):

Total # of Samples: 6

Relinquished by (Client): OCAA **Date:** 3/29/23 **Time:** 1200

Received by (Lab): Jonathan Sandoval (Courier) **Date:** 3/30/23 **Time:** 10:35a

Comments/Special Instructions:

PLM QUALITATIVE

Controlled Document – COC-04 Asbestos LA Testing R4

LA Testing's Laboratory Terms and Conditions are incorporated into this chain of custody by reference in their entirety. Submission of samples to LA Testing Inc. constitutes acceptance and acknowledgment of all terms and conditions.

OrderID: 332305791

Asbestos Chain of Custody

LA Testing Order Number *(Lab Use Only)*:

LA TESTING
5431 INDUSTRIAL DRIVE
HUNTINGTON BEACH, CA
92649
PHONE: (714)828-4999
FAX: (714)761-2713

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	B27-0.5		2/20/23 @ 1219

***Comments/Special Instructions:**

PLM QUALITATIVE

Controlled Document – COC-04 Asbestos LA Testing R4

LA Testing's Laboratory Terms and Conditions are incorporated into this chain of custody by reference in their entirety. Submission of samples to LA Testing Inc. constitutes acceptance and acknowledgment of all terms and conditions.

Orange Coast Analytical, Inc.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.:2576
Expiration Date: 2023
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:
Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 27815A
Project Name:	LAUSD 49th Street PEA
Project Number:	211936010
Date Received:	4/13/2023
Date Reported:	4/21/2023
Chain of Custody Received:	☑
Analytical Method:	8015B, 6010B, 1311/6010B,

Preliminary

Mark Noorani, Laboratory Director

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Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27815A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 3ºC, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Preliminary

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27815A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B45-0.5	27815-001	4/3/2023	4/3/2023	Soil
B45-2.5	27815-002	4/3/2023	4/3/2023	Soil
B4-E2-0.5	27815-012	4/3/2023	4/3/2023	Soil
B4-E-2.5	27815-016	4/3/2023	4/3/2023	Soil
B4-W-2.5	27815-019	4/3/2023	4/3/2023	Soil
B4-W2-0.5	27815-021	4/3/2023	4/3/2023	Soil
B4-5	27815-033	4/3/2023	4/3/2023	Soil
B42A-0.5	27815-038	4/3/2023	4/3/2023	Soil
B42A-2.5	27815-039	4/3/2023	4/3/2023	Soil

Preliminary

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27815A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B45-0.5	27815-001	4/3/2023 16:47	4/3/2023 8:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Lead	6010B	0.11	mg/l	04/19/23 10:35	04/20/23 10:55	--	1

B45-2.5	27815-002	4/3/2023 16:47	4/3/2023 8:05	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Lead	6010B	2.5	mg/kg	04/18/23 10:30	04/18/23 16:14	--	1

B4-E2-0.5	27815-012	4/3/2023 16:47	4/3/2023 10:55	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	46	mg/kg	04/18/23 10:30	04/18/23 15:50	--	1

B4-E-2.5	27815-016	4/3/2023 16:47	4/3/2023 11:05	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	3.1	mg/kg	04/18/23 10:30	04/18/23 15:56	--	1

B4-W-2.5	27815-019	4/3/2023 16:47	4/3/2023 11:14	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	130	mg/kg	04/18/23 10:30	04/18/23 16:06	--	1

B4-W2-0.5	27815-021	4/3/2023 16:47	4/3/2023 11:26	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	180	mg/kg	04/18/23 10:30	04/18/23 16:08	--	1

Preliminary

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27815A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B4-5	27815-033	4/3/2023 16:47	4/3/2023 12:35	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	3.9	mg/kg	04/18/23 10:30	04/18/23 16:10	--	1

B42A-2.5	27815-039	4/3/2023 16:47	4/3/2023 13:46	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	2.3	mg/kg	04/18/23 10:30	04/18/23 16:12	--	1

Method Blank						Soil	
MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBHV0418231	Arsenic	6010B	<2.0	mg/kg	04/18/23 10:30	04/18/23 15:36	--	1
MBHV0418231	Lead	6010B	<0.80	mg/kg	04/18/23 10:30	04/18/23 15:36	--	1

Method Blank						Soil	
MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR0419232	TCLP Lead	6010B	<0.080	mg/l	04/19/23 10:35	04/20/23 10:35	--	1

B45-0.5	27815-001	4/3/2023 16:47	4/3/2023 8:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
STLC Lead	6010B	4.7	mg/L	04/17/23 08:30	04/18/23 14:40	--	1

B42A-0.5	27815-038	4/3/2023 16:47	4/3/2023 13:44	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
STLC Arsenic	6010B	2.4	mg/L	04/17/23 08:30	04/18/23 14:43	--	1

Preliminary

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Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27815A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR0417231	STLC Arsenic	6010B	<0.20	mg/L	04/17/23 08:30	04/18/23 16:16	--	1
MBIR0417231	STLC Lead	6010B	<0.20	mg/L	04/17/23 08:30	04/18/23 16:16	--	1

Preliminary

QA/QC Report
for
Metals

Reference #: NAM 27815A

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B**

Laboratory Sample #: 27815-012 **Date of Extraction:** 04/18/23 10:30

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Arsenic	04/18/23 15:44	04/18/23 15:47	46.0	20.0	64.3	65.2	92	96	1	75-125	20	--
Lead	04/18/23 15:44	04/18/23 15:47	3.90	20.0	18.5	19.0	73	75	3	75-125	20	M2,

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ 6010B**

Laboratory Sample #: HV0418231 **Date of Extraction:** 04/18/23 10:30

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Arsenic	04/18/23 15:39	04/18/23 15:42	--	20.0	18.3	18.2	91	91	1	80-120	20	--
Lead	04/18/23 15:39	04/18/23 15:42	--	20.0	18.2	18.3	91	91	1	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B**

Laboratory Sample #: 27827-001 **Date of Extraction:** 04/19/23 10:35

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
TCLP Lead	04/20/23 10:43	04/20/23 10:46	0.19	0.400	0.587	0.569	99	95	3	75-125	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ 6010B**

Laboratory Sample #: IR0419232 **Date of Extraction:** 04/19/23 10:35

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
TCLP Lead	04/20/23 10:37	04/20/23 10:40	--	0.400	0.387	0.379	97	95	2	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ STLC CCR**

Laboratory Sample #: 27844-001 **Date of Extraction:** 04/17/23 08:30

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
STLC Arsenic	04/18/23 16:22	04/18/23 16:24	0.00	1.00	1.01	1.01	101	101	0	75-125	20	--
STLC Lead	04/18/23 16:22	04/18/23 16:24	0.00	1.00	1.01	0.990	101	99	2	75-125	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ STLC CCR**

Laboratory Sample #: IR0417231 **Date of Extraction:** 04/17/23 08:30

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
STLC Arsenic	04/18/23 16:18	04/18/23 16:20	--	1.00	0.924	0.952	92	95	3	80-120	20	--
STLC Lead	04/18/23 16:18	04/18/23 16:20	--	1.00	0.829	0.861	83	86	4	80-120	20	--

Preliminary

Data Qualifier Definitions

Qualifier

M2 = Matrix spike recovery was low, the associated blank spike recovery was acceptable.

27815-012	6010B	Lead	MS

Preliminary

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Preliminary

Orange Coast Analytical, Inc.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.:2576
Expiration Date: 2023
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:
Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 27827A
Project Name:	LAUSD 49th Street PEA
Project Number:	211936010
Date Received:	4/18/2023
Date Reported:	4/24/2023
Chain of Custody Received:	☑
Analytical Method:	6010B, 1311/6010B,

Mark Noorani, Laboratory Director

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Rev1.0

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27827A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at ºC, on ice.

2 coolers at 3 and 1 °C IR#3 correction =+0 °C

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27827A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B34-2.5	27827-001	4/5/2023	4/5/2023	Soil

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27827A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B34-2.5	27827-001	4/5/2023 17:51	4/5/2023 8:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Lead	6010B	0.19	mg/l	04/19/23 10:35	04/20/23 10:49	--	1

Method Blank — Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR0419232	TCLP Lead	6010B	<0.080	mg/l	04/19/23 10:35	04/20/23 10:35	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B34-2.5	27827-001	4/5/2023 17:51	4/5/2023 8:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
STLC Lead	6010B	11	mg/L	04/20/23 17:00	04/24/23 14:19	--	1

Method Blank — Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR0420234	STLC Lead	6010B	<0.20	mg/L	04/20/23 17:00	04/24/23 14:06	--	1

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QA/QC Report
for
Metals

Reference #: NAM 27827A

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B**

Laboratory Sample #: 27827-001 **Date of Extraction:** 04/19/23 10:35

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
TCLP Lead	04/20/23 10:43	04/20/23 10:46	0.19	0.400	0.587	0.569	99	95	3	75-125	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ 6010B**

Laboratory Sample #: IR0419232 **Date of Extraction:** 04/19/23 10:35

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
TCLP Lead	04/20/23 10:37	04/20/23 10:40	--	0.400	0.387	0.379	97	95	2	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ STLC CCR**

Laboratory Sample #: 27827-001 **Date of Extraction:** 04/20/23 17:00

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
STLC Lead	04/24/23 14:14	04/24/23 14:17	11.0	1.00	11.3	11.7	30	70	3	75-125	20	M3,

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ STLC CCR**

Laboratory Sample #: IR0420234 **Date of Extraction:** 04/20/23 17:00

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
STLC Lead	04/24/23 14:09	04/24/23 14:11	--	1.00	0.889	0.898	89	90	1	80-120	20	--

Data Qualifier Definitions

Qualifier

M3 = The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The associated blank spike recovery was acceptable.

27827-001	STLC CCR	STLC Lead	MS/MSD

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & Chain of Custody Record

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Lab Job No.: 27877 Page: 1 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	Aileen Chea / Skylar Lee

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,mo by EPA 8015B	REMARKS / INSTRUCTIONS
1	B34-2.5	5	4/5/23	0800	SS	9oz jar / 4 VOAs			X		X				X	X	
2	B34-5			0820													HOLD
3	B34-10			0830					X		X				X	X	AC 4/5/23
4	B35-2.5			0910					X		X				X	X	
5	B35-5			0923		6" sleeve / 4 VOAs											HOLD
6	B35-10	↓		0925		↓			X		X				X	X	AC 4/5/23
7	B46-0.5	1		0950		9oz jar											
8	B46-2.5	5		1000		9oz jar / 4 VOAs											
9	B46-5			1013		6" sleeve / 4 VOAs											AC 4/5/23
10	B46-10			1015													AC 4/5/23
11	B46-15			1025													HOLD
12	B39-0.5	1		1049		9oz jar											
13	B39-2.5	5		1052		9oz jar / 4 VOAs											
14	B39-5	↓	↓	1100	↓	6" sleeve / 4 VOAs											

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME
Standard: X
72 Hour:
48 Hour:
24 Hour:

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By: Aileen Chea	Date: 4/5/23	Received For OCA By:	Date: 4/5/23
	Time: 1751		Time: 1751
Company: Ninyo & Moore		Company: OCA	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other 2 coolers

Sample Integrity: @3.1°C
Intact: ✓ On Ice: (Yes) No @ IR#3 °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & Chain of Custody Record

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Lab Job No.: 27824 Page: 2 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	Aileen Chea/Skylar Lee

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME: Standard: X; 72 Hour: ; 48 Hour: ; 24 Hour:

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,mo by EPA 8015B	REMARKS / INSTRUCTIONS
15	B39-10	5	4/5/23	1102	SS	6" sleeve/ 4 VOAs				X	X				X	X	
16	B39-15	↓		1105		↓				X	X				X	X	
17	B38-0.5	1		1237		9oz jar				X	X					X	
18	B38-2.5	5		1239		9oz jar/ 4 VOAs				X	X				X	X	
19	B38-5			AC 1253		6" sleeve/ 4 VOAs				X	X				X	X	
20	B38-10			1255						X	X				X	X	
21	B38-15	↓		1258		↓				X	X				X	X	
22	B37-0.5	1		1326		9oz jar				X	X					X	
23	B37-2.5	5		1332		9oz jar/ 4 VOAs				X	X				X	X	
24	B37-5			1342		6" sleeve/ 4 VOAs				X	X				X	X	
25	B37-10			1344		↓				X	X				X	X	
26	B37-15	↓		1346		9oz jar/ 4 VOAs				X	X				X	X	
27	B36-0.5	6		1420		9oz & 4oz jar/ 4 VOAs					X	X		X	X	X	
28	B36-2.5	↓	↓	1423	↓	↓					X	X		X	X	X	

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By: Aileen Chea	Date: 4/5/23	Received For OCA By:	Date: 4/5/23
	Time: 1751		Time: 1751
Company: Ninyo & Moore		Company: OCAC	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: Intact: _____ On Ice: Yes / No @ _____ °C

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Analysis Request & Chain of Custody Record

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Lab Job No.: 27827 Page: 3 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	Aileen Chea / Skylar Lee

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,mo by EPA 8015B	REMARKS / INSTRUCTIONS
29	B36-5	6	4/5/23	1440	SS	9oz & 4oz jar/ 4 VOAs											HOLD
30	B36-10	↓		1442		↓											HOLD
31	B43-0.5	1		1515		9oz jar				X	X					X	
32	B43-2.5	5		1520		9oz jar/ 4 VOAs				X	X				X	X	
33	B43-5	↓		1528		6" sleeve/ 4 VOAs				X	X				X	X	
34	B43-10	↓		1530		↓				X	X				X	X	
35	B43-15	↓	↓	1535	↓	9oz jar/ 4 VOAs				X	X				X	X	

AC @ 4/5/23

REQUESTED TURN-AROUND-TIME

Standard: X
72 Hour:
48 Hour:
24 Hour:

No. of Samples: 7 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By: Aileen Chea	Date: 4/5/23	Received For OCA By:	Date: 4/5/23
	Time: 1751		Time: 1751
Company: Ninyo & Moore		Company: OCAA	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity:

Intact: _____ On Ice: Yes / No @ _____ °C

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Sample Receipt Report

Laboratory Reference: **NAM 27827** Logged in by: MM

Received:	04/05/23 17:51	Company Name:	Ninyo & Moore
Method of Shipment:	Hand Delivered	Project Manager:	Mr. Dennis Fee
Shipping Container:	Cooler	Project Name:	LAUSD 49th Street PEA
# Shipping Containers:	2	Project #:	211936010

Sample Quantity
35 Soil

Chain of Custody	Complete ☑	Incomplete ☐	None ☐
Samples On Ice	Yes, Wet ☑	Yes, Blue ☐	No ☐
Observed Temp. (°C):	Thermometer ID:	Adjusted Temp.:	
Shipping Intact	Yes ☐	N/A ☑	No ☐
Shipping Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Samples Intact	Yes ☑		No ☐
Sample Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated	Yes ☐	N/A ☑	No ☐
Proper Test Containers	Yes ☑		No ☐
Proper Test Preservations	Yes ☑		No ☐
Samples Within Hold Times	Yes ☑		No ☐
VOAs Have Zero Headspace	Yes ☐	N/A ☑	No ☐
Sample Labels	Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC	Yes ☑	N/A ☐	No ☐

Notes

2 coolers at 3 and 1 °C IR#3 correction =+0 °C

Client Notified _____ By _____ On _____

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LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.:2576
Expiration Date: 2025
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:
Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 27693C
Project Name:	LAUSD 49th Street PEA
Project Number:	2119366010
Date Received:	5/1/2023
Date Reported:	5/3/2023
Chain of Custody Received:	☑
Analytical Method:	6010B,

Mark Noorani, Laboratory Director

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Rev1.0

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27693C
Project Name: LAUSD 49th Street PEA
Project #: 2119366010

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 2ºC, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27693C
Project Name: LAUSD 49th Street PEA
Project #: 2119366010

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B41-2.5	27693-014	2/20/2023	2/18/2023	Soil
B40-2.5	27693-016	2/20/2023	2/18/2023	Soil

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27693C
Project Name: LAUSD 49th Street PEA
Project #: 2119366010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B41-2.5	27693-014	2/20/2023 16:11	2/18/2023 10:11	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	2.2	mg/kg	05/01/23 15:35	05/02/23 16:29	--	1

B40-2.5	27693-016	2/20/2023 16:11	2/18/2023 10:39	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	<2.0	mg/kg	05/01/23 15:35	05/02/23 16:20	--	1

Method Blank						Soil	
MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBHV0501231	Arsenic	6010B	<2.0	mg/kg	05/01/23 16:30	05/02/23 12:10	--	1

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QA/QC Report
for
Metals

Reference #: NAM 27693C

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B**

Laboratory Sample #: AZ13973-003 **Date of Extraction:** 05/01/23 16:30

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Arsenic	05/02/23 12:20	05/02/23 12:23	4.70	20.0	22.3	23.1	88	92	4	75-125	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **6010B**

Laboratory Sample #: HV0501231 **Date of Extraction:** 05/01/23 16:30

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Arsenic	05/02/23 12:14	05/02/23 12:17	--	20.0	18.2	17.3	91	86	5	80-120	20	--

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & C[illegible] of Custody Record

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Lab Job No.: 27093 Page: 1 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard	Address (City / State):	Los Angeles, CA
	Irvine, CA 92618	EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC/AC

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME: Standard: X; 72 Hour: ; 48 Hour: ; 24 Hour:

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	POCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
1	B2-0.5	1	2/18/23	0850	soil	9oz jar	X	X	C1		X	X	X	X	X		C1=composite group 1 4
2	B2-2.5			0854					C2								C2=composite group 2 4
3	B1-0.5			0902			X	X	C1								
4	B1-2.5			0904					C2								
5	B3-0.5			0923			X	X	C1		X	X	X	X			
6	B3-2.5			0925					C2								
7	B4-0.5			0931			X	X	C3								C3=composite group 3 4
8	B4-2.5			0932					C4								C4=composite group 4 1
9	B22-0.5			0938			X	X									
10	B22-2.5			0940													HOLD
11	B22-5			0942													HOLD
12	B42-2.5	5		0958		9oz jar 4 VOAs									X	X	
13	B42-5			1000													HOLD
14	B41-2.5			1011											X	X	

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: [signature] Date: 2/20/23 Time: 1611 Company: N&M	Received By: Date: Time: Company:	Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other	
Relinquished By: Date: Time: Company:	Received By: Date: Time: Company:		
Relinquished By: Date: Time: Company:	Received For OCA By: [signature] Date: 2-20-23 Time: 1611 Company: OCA, CM	Sample Integrity: 2.0+0=2.0°C Intact: ____ On Ice: (Yes) / No @ 2.0 °C	

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & C[illegible] of Custody Record

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Lab Job No.: 27693 Page: 2 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	FAC/AC

REQUESTED TURN-AROUND-TIME: Standard: X; 72 Hour: ; 48 Hour: ; 24 Hour:

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
15	B41-5	5	2/18/23	1014	soil	9 oz jar 4 VOAs											HOLD
16	B40-2.5	↓		1039		↓									X	X	
17	B5-0.5	1		1102		9 oz jar	X	X	C3		X	X	X	X			
18	B5-2.5			1104					C4								
19	B6-0.5			1111			X	X	C3								
20	B6-2.5	↓		1113		↓			C4								
21	B40-5	5		1126		9 oz jar 4 VOAs			[illegible]C								HOLD
22	B8-0.5	1		1248		9 oz jar	X	X	C5		X	X	X	X			C5=composite group 5
23	B8-2.5			1250					C6								C6=composite group 6
24	B7-0.5			1254			X	X	C5								
25	B7-2.5			1255					C6								
26	B12-0.5			1302			X	X	C7		X	X	X	X			C7=composite group 7
27	B12-2.5			1304					C8								C8=composite group 8
28	B11-0.5	↓	↓	1307		↓	X	X	C7								

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: [signature] Company: N&M	Date: 2/20/23 Time: 1611	Received By: Company:	Date: Time:
Relinquished By: Company:	Date: Time:	Received By: Company:	Date: Time:
Relinquished By: Company:	Date: Time:	Received For OCA By: Mark Company: OCA, LA	Date: 2-20-23 Time: 1611

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: 2.0+0=2.0 °C Intact: ____ On Ice: (Yes) No @ IR#3 °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & C[illegible] of Custody Record

ORANGE COAST ANALYTICAL, INC.

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Lab Job No.: 27693 Page: 3 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC/AC

REQUESTED TURN-AROUND-TIME: Standard: X; 72 Hour: ; 48 Hour: ; 24 Hour:

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
29	B11-2.5	1	2/18/23	1309	Soil	9oz jar			C8								
30	B9-0.5			1320			X	X	C5		X	X	X	X			
31	B9-2.5			1322					C6								
32	B13-0.5			1336			X	X	C9								C9=composite group 9
33	B13-2.5			1338					C10								C10=composite group 10
34	B14-0.5			1340			X	X	C9		X	X	X	X			
35	B14-2.5			1342					C10								
36	B17-0.5			1351			X	X	C11								C11=composite group 11
37	B17-2.5			1353					C12								C12=composite group 12
38	B15-0.5			1357			X	X	C9		X	X	X	X			
39	B15-2.5			1359					C10								
40	B16-0.5			1409			X	X	C11								
41	B16-2.5			1410					C12								
42	B18-0.5	↓	↓	1412	↓	↓	X	X	C11		X	X	X	X			

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: [signature] Company: N&M	Date: 2/20/23 Time: 1611	Received By: Company:	Date: Time:
Relinquished By: Company:	Date: Time:	Received By: Company:	Date: Time:
Relinquished By: Company:	Date: Time:	Received For OCA By: [signature] Company: OCA, LA	Date: 2-20-23 Time: 1611

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: 2.0+0=2.1°C IR#3 Intact: ____ On Ice: (Yes) / No @ ____ °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.

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Phoenix, AZ 85040
Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 27693 Page: 4 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard	Address (City / State):	Los Angeles, CA
	Irvine, CA 92618	EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC/AC

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME: Standard: X; 72 Hour: ; 48 Hour: ; 24 Hour:

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
43	B18-2.5	1	2/18/23	1414	Soil	9 oz jar			C12								
44	B10-0.5	↓	↓	1420	↓	↓	X	X	C7								
45	B10-2.5	↓	↓	1422	↓	↓			C8								

AC 2/18/23

No. of Samples: 3 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: [signature] Company: NEM	Date: 2/20/23 Time: 1611	Received By: Company:	Date: Time:
Relinquished By: Company:	Date: Time:	Received By: Company:	Date: Time:
Relinquished By: Company:	Date: Time:	Received For OCA By: [signature] Company: OCA, GS	Date: 2-20-23 Time: 1611

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: 2.0+0=2.0°C

Intact: ____ On Ice: (Yes) / No @ 2.0+0=2.0°C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Sample Receipt Report

Laboratory Reference: **NAM 27693** Logged in by: HC

Received:	02/20/23 16:11	Company Name:	Ninyo & Moore
Method of Shipment:	Hand Delivered	Project Manager:	Mr. Dennis Fee
Shipping Container:	Cooler	Project Name:	LAUSD 49th Street PEA
# Shipping Containers:	1	Project #:	211936010

Sample Quantity
57 Soil

Chain of Custody		Complete ☑	Incomplete ☐	None ☐
Samples On Ice		Yes, Wet ☑	Yes, Blue ☐	No ☐
Observed Temp. (°C):	2	Thermometer ID: IR#3	Adjusted Temp.:	2+0=2
Shipping Intact		Yes ☑	N/A ☐	No ☐
Shipping Custody Seals Intact		Yes ☐	N/A ☑	No ☐
Samples Intact		Yes ☑		No ☐
Sample Custody Seals Intact		Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated		Yes ☐	N/A ☑	No ☐
Proper Test Containers		Yes ☑		No ☐
Proper Test Preservations		Yes ☑		No ☐
Samples Within Hold Times		Yes ☑		No ☐
VOAs Have Zero Headspace		Yes ☐	N/A ☑	No ☐
Sample Labels		Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC		Yes ☑	N/A ☐	No ☐

Notes

Client Notified _____ By _____ On _____

Orange Coast Analytical, Inc.
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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.:2576
Expiration Date: 2023
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:
Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 27814
Project Name:	LAUSD 49th Street PEA
Project Number:	211936010
Date Received:	4/3/2023
Date Reported:	4/5/2023
Chain of Custody Received:	☑
Analytical Method:	6010B,

Mark Noorani, Laboratory Director

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Rev1.0

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27814
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 3ºC, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27814
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S1	27814-001	4/3/2023	4/3/2023	Soil
S2	27814-002	4/3/2023	4/3/2023	Soil
S3	27814-003	4/3/2023	4/3/2023	Soil
S4	27814-004	4/3/2023	4/3/2023	Soil
S5	27814-005	4/3/2023	4/3/2023	Soil

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Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27814
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
S1	27814-001	4/3/2023 16:47	4/3/2023 9:54	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	3.7	mg/kg	04/03/23 17:35	04/04/23 14:14	--	1

S2	27814-002	4/3/2023 16:47	4/3/2023 10:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	31	mg/kg	04/03/23 17:35	04/04/23 14:17	--	1

S3	27814-003	4/3/2023 16:47	4/3/2023 10:03	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	14	mg/kg	04/03/23 17:35	04/04/23 14:19	--	1

S4	27814-004	4/3/2023 16:47	4/3/2023 10:08	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	24	mg/kg	04/03/23 17:35	04/04/23 14:22	--	1

S5	27814-005	4/3/2023 16:47	4/3/2023 10:12	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	6.9	mg/kg	04/03/23 17:35	04/04/23 14:24	--	1

Method Blank						Soil	
MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBHV0403231	Arsenic	6010B	<2.0	mg/kg	04/03/23 13:30	04/04/23 12:49	--	1

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QA/QC Report
for
Metals

Reference #: NAM 27814 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B**

Laboratory Sample #: AZ13927-001 **Date of Extraction:** 04/03/23 13:30

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Arsenic	04/04/23 13:00	04/04/23 13:03	0.00	20.0	19.1	18.7	96	94	2	75-125	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **6010B**

Laboratory Sample #: HV0403231 **Date of Extraction:** 04/03/23 13:30

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Arsenic	04/04/23 12:53	04/04/23 12:56	--	20.0	18.5	18.8	93	94	2	80-120	20	--

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & Chain of Custody Record

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Phoenix, AZ 85040
Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 27814 Page: 1 of 1

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	Aileen Chea

Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type
S1	1	4/3/23	0954	SS	9oz jar
S2	↓	↓	1000	↓	↓
S3			1003		
S4			1008		
S5			1012		

ANALYSIS REQUEST / PRESERVATION

Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B
	X								
	X								
	X								
	X								
	X								

REQUESTED TURN-AROUND-TIME

Standard: EAC
72 Hour:
48 Hour: X
24 Hour:

REMARKS / INSTRUCTIONS

EAC 4/3/23

No. of Samples: 5 Method of Shipment: HAND DELIVERED

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: Aileen Chea	Date: 4/3/2023 Time: 1503	Received By: Ed Chavez	Date: 4/3/2023 Time: 1503
Company: Ninyo & Moore		Company: Ninyo & Moore	
Relinquished By: Ed Chavez	Date: 4/3/23 Time: 1647	Received By:	Date: Time:
Company: Ninyo & Moore		Company:	
Relinquished By:	Date: Time:	Received For OCA By: Reakta Carrillo	Date: 4/3/23 Time: 1647
Company:		Company: OCAA	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: 3 of 3 cIR3

Intact: ____ On Ice: (Yes) / No @ ____ °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Sample Receipt Report

Laboratory Reference: **NAM 27814** Logged in by: HC

Received:	04/03/23 16:47	Company Name:	Ninyo & Moore
Method of Shipment:	Hand Delivered	Project Manager:	Mr. Dennis Fee
Shipping Container:	Cooler	Project Name:	LAUSD 49th Street PEA
# Shipping Containers:	1	Project #:	211936010

Sample Quantity
5 Soil

Chain of Custody		Complete ☑	Incomplete ☐	None ☐
Samples On Ice		Yes, Wet ☑	Yes, Blue ☐	No ☐
Observed Temp. (°C):	3	Thermometer ID: #3	Adjusted Temp.:	3
Shipping Intact		Yes ☑	N/A ☐	No ☐
Shipping Custody Seals Intact		Yes ☐	N/A ☑	No ☐
Samples Intact		Yes ☑		No ☐
Sample Custody Seals Intact		Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated		Yes ☐	N/A ☑	No ☐
Proper Test Containers		Yes ☑		No ☐
Proper Test Preservations		Yes ☑		No ☐
Samples Within Hold Times		Yes ☑		No ☐
VOAs Have Zero Headspace		Yes ☐	N/A ☑	No ☐
Sample Labels		Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC		Yes ☑	N/A ☐	No ☐

Notes

Client Notified _____ By _____ On _____

Orange Coast Analytical, Inc.
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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.:2576
Expiration Date: 2023
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:
Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 27815
Project Name:	LAUSD 49th Street PEA
Project Number:	211936010
Date Received:	4/3/2023
Date Reported:	4/11/2023
Chain of Custody Received:	☑
Analytical Method:	8015B, 8260B, 6010B, 7471A,

Mark Noorani, Laboratory Director

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Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27815
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 3ºC, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27815
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B45-0.5	27815-001	4/3/2023	4/3/2023	Soil
B45-2.5	27815-002	4/3/2023	4/3/2023	Soil
B45-5	27815-003	4/3/2023	4/3/2023	Soil
B45-10	27815-004	4/3/2023	4/3/2023	Soil
B45-15	27815-005	4/3/2023	4/3/2023	Soil
B20-W-0.5	27815-006	4/3/2023	4/3/2023	Soil
B20-W-2.5	27815-007	4/3/2023	4/3/2023	Soil
B20-E-0.5	27815-008	4/3/2023	4/3/2023	Soil
B20-E-2.5	27815-009	4/3/2023	4/3/2023	Soil
B21-W-0.5	27815-010	4/3/2023	4/3/2023	Soil
B21-W-2.5	27815-011	4/3/2023	4/3/2023	Soil
B4-E2-0.5	27815-012	4/3/2023	4/3/2023	Soil
B4-E2-2.5	27815-013	4/3/2023	4/3/2023	Soil
B4-E2-5	27815-014	4/3/2023	4/3/2023	Soil
B4-E-0.5	27815-015	4/3/2023	4/3/2023	Soil
B4-E-2.5	27815-016	4/3/2023	4/3/2023	Soil
B4-E-5	27815-017	4/3/2023	4/3/2023	Soil
B4-W-0.5	27815-018	4/3/2023	4/3/2023	Soil
B4-W-2.5	27815-019	4/3/2023	4/3/2023	Soil
B4-W-5	27815-020	4/3/2023	4/3/2023	Soil
B4-W2-0.5	27815-021	4/3/2023	4/3/2023	Soil
B4-W2-2.5	27815-022	4/3/2023	4/3/2023	Soil
B4-W2-5	27815-023	4/3/2023	4/3/2023	Soil
B4-N-0.5	27815-024	4/3/2023	4/3/2023	Soil
B4-N-2.5	27815-025	4/3/2023	4/3/2023	Soil
B4-N-5	27815-026	4/3/2023	4/3/2023	Soil
B4-N2-0.5	27815-027	4/3/2023	4/3/2023	Soil
B4-N2-2.5	27815-028	4/3/2023	4/3/2023	Soil
B4-N2-5	27815-029	4/3/2023	4/3/2023	Soil
B4A-0.5	27815-030	4/3/2023	4/3/2023	Soil
B4A-2.5	27815-031	4/3/2023	4/3/2023	Soil
B4A-5	27815-032	4/3/2023	4/3/2023	Soil
B4-5	27815-033	4/3/2023	4/3/2023	Soil
B4-7.5	27815-034	4/3/2023	4/3/2023	Soil
B2-N-0.5	27815-035	4/3/2023	4/3/2023	Soil
B2-N-2.5	27815-036	4/3/2023	4/3/2023	Soil
B2-N-5	27815-037	4/3/2023	4/3/2023	Soil
B42A-0.5	27815-038	4/3/2023	4/3/2023	Soil

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Lab Reference #: NAM 27815
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B42A-2.5	27815-039	4/3/2023	4/3/2023	Soil
B42A-5	27815-040	4/3/2023	4/3/2023	Soil
B44-0.5	27815-041	4/3/2023	4/3/2023	Soil
B44-2.5	27815-042	4/3/2023	4/3/2023	Soil
B44-5	27815-043	4/3/2023	4/3/2023	Soil
B14-E-0.5	27815-044	4/3/2023	4/3/2023	Soil
B14-E-2.5	27815-045	4/3/2023	4/3/2023	Soil
B14-S-0.5	27815-046	4/3/2023	4/3/2023	Soil
B14-S-2.5	27815-047	4/3/2023	4/3/2023	Soil

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Lab Reference #: NAM 27815
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B45-0.5	27815-001	4/3/2023 16:47	4/3/2023 8:00	4/6/2023 15:00	4/10/2023 23:10	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	490	Octacosane	191
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: S1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B45-0.5	27815-001	4/3/2023 16:47	4/3/2023 8:00	4/6/2023 15:00	4/10/2023 23:10	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	1900	Octacosane	191
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: S1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B45-15	27815-005	4/3/2023 16:47	4/3/2023 8:35	4/6/2023 15:00	4/10/2023 23:54	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	163
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: S1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B45-15	27815-005	4/3/2023 16:47	4/3/2023 8:35	4/6/2023 15:00	4/10/2023 23:54	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	163
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: S1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B44-0.5	27815-041	4/3/2023 16:47	4/3/2023 14:16	4/6/2023 15:00	4/11/2023 0:38	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	125
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: NAM 27815
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B44-0.5	27815-041	4/3/2023 16:47	4/3/2023 14:16	4/6/2023 15:00	4/11/2023 0:38	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	125
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B44-2.5	27815-042	4/3/2023 16:47	4/3/2023 14:18	4/6/2023 15:00	4/11/2023 1:22	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	130
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B44-2.5	27815-042	4/3/2023 16:47	4/3/2023 14:18	4/6/2023 15:00	4/11/2023 1:22	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	130
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBLY0406232			4/6/2023 15:00	4/10/2023 20:19	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	108
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBLY0406232			4/6/2023 15:00	4/10/2023 20:19	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	108
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: NAM 27815
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Project #: 211936010

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B45-0.5	27815-001	4/3/2023 16:47	4/3/2023 8:00	4/5/2023 13:00	4/5/2023 15:53	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	0.67	α-α-α-Trifluorotoluene	106

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B45-15	27815-005	4/3/2023 16:47	4/3/2023 8:35	4/5/2023 13:00	4/5/2023 16:13	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	0.67	α-α-α-Trifluorotoluene	70

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B44-0.5	27815-041	4/3/2023 16:47	4/3/2023 14:16	4/5/2023 13:00	4/5/2023 16:33	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	0.71	α-α-α-Trifluorotoluene	80

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B44-2.5	27815-042	4/3/2023 16:47	4/3/2023 14:18	4/5/2023 13:00	4/5/2023 16:54	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	0.58	α-α-α-Trifluorotoluene	53

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBLY0405231			4/5/2023 13:00	4/5/2023 13:38	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	91

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: NAM 27815
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B45-0.5	27815-001	4/3/2023 16:47	4/3/2023 8:00	4/3/2023 8:00	4/4/2023 14:52	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	86	65-130 %
Toluene-d8:	87	58-130 %
4-Bromofluorobenzene:	91	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 27815
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B45-15	27815-005	4/3/2023 16:47	4/3/2023 8:35	4/3/2023 8:35	4/4/2023 15:13	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	86	65-130 %
Toluene-d8:	84	58-130 %
4-Bromofluorobenzene:	88	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 27815
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B44-0.5	27815-041	4/3/2023 16:47	4/3/2023 14:16	4/3/2023 14:16	4/4/2023 15:33	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	89	65-130 %
Toluene-d8:	88	58-130 %
4-Bromofluorobenzene:	92	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 27815
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B44-2.5	27815-042	4/3/2023 16:47	4/3/2023 14:18	4/3/2023 14:18	4/4/2023 15:54	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	87	65-130 %
Toluene-d8:	85	58-130 %
4-Bromofluorobenzene:	88	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Irvine, CA, 92618

Lab Reference #: NAM 27815
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT0404231			4/4/2023 9:30	4/4/2023 14:31	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	86	65-130 %
Toluene-d8:	87	58-130 %
4-Bromofluorobenzene:	91	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 27815
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B45-0.5	27815-001	4/3/2023 16:47	4/3/2023 8:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/04/23 09:10	04/04/23 14:52	--	1
Arsenic	6010B	3.3	mg/kg	04/04/23 09:10	04/04/23 14:52	--	1
Barium	6010B	120	mg/kg	04/04/23 09:10	04/04/23 14:52	--	1
Beryllium	6010B	<0.50	mg/kg	04/04/23 09:10	04/04/23 14:52	--	1
Cadmium	6010B	0.56	mg/kg	04/04/23 09:10	04/04/23 14:52	--	1
Chromium	6010B	13	mg/kg	04/04/23 09:10	04/04/23 14:52	--	1
Cobalt	6010B	8.5	mg/kg	04/04/23 09:10	04/04/23 14:52	--	1
Copper	6010B	36	mg/kg	04/04/23 09:10	04/04/23 14:52	--	1
Lead	6010B	200	mg/kg	04/04/23 09:10	04/04/23 14:52	--	1
Mercury	7471A	0.26	mg/kg	04/03/23 17:00	04/04/23 14:44	--	1
Molybdenum	6010B	<1.0	mg/kg	04/04/23 09:10	04/04/23 14:52	--	1
Nickel	6010B	14	mg/kg	04/04/23 09:10	04/04/23 14:52	--	1
Selenium	6010B	<4.8	mg/kg	04/04/23 09:10	04/04/23 14:52	--	1
Silver	6010B	<0.50	mg/kg	04/04/23 09:10	04/04/23 14:52	--	1
Thallium	6010B	<2.0	mg/kg	04/04/23 09:10	04/04/23 14:52	--	1
Vanadium	6010B	32	mg/kg	04/04/23 09:10	04/04/23 14:52	--	1
Zinc	6010B	250	mg/kg	04/04/23 09:10	04/04/23 14:52	--	1

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Lab Reference #: NAM 27815
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B45-15	27815-005	4/3/2023 16:47	4/3/2023 8:35	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/04/23 09:10	04/04/23 14:55	--	1
Arsenic	6010B	<2.0	mg/kg	04/04/23 09:10	04/04/23 14:55	--	1
Barium	6010B	72	mg/kg	04/04/23 09:10	04/04/23 14:55	--	1
Beryllium	6010B	<0.50	mg/kg	04/04/23 09:10	04/04/23 14:55	--	1
Cadmium	6010B	<0.50	mg/kg	04/04/23 09:10	04/04/23 14:55	--	1
Chromium	6010B	9.0	mg/kg	04/04/23 09:10	04/04/23 14:55	--	1
Cobalt	6010B	7.6	mg/kg	04/04/23 09:10	04/04/23 14:55	--	1
Copper	6010B	7.9	mg/kg	04/04/23 09:10	04/04/23 14:55	--	1
Lead	6010B	2.0	mg/kg	04/04/23 09:10	04/04/23 14:55	--	1
Mercury	7471A	<0.10	mg/kg	04/03/23 17:00	04/04/23 14:46	--	1
Molybdenum	6010B	<1.0	mg/kg	04/04/23 09:10	04/04/23 14:55	--	1
Nickel	6010B	6.3	mg/kg	04/04/23 09:10	04/04/23 14:55	--	1
Selenium	6010B	<4.8	mg/kg	04/04/23 09:10	04/04/23 14:55	--	1
Silver	6010B	<0.50	mg/kg	04/04/23 09:10	04/04/23 14:55	--	1
Thallium	6010B	<2.0	mg/kg	04/04/23 09:10	04/04/23 14:55	--	1
Vanadium	6010B	25	mg/kg	04/04/23 09:10	04/04/23 14:55	--	1
Zinc	6010B	36	mg/kg	04/04/23 09:10	04/04/23 14:55	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B20-W-0.5	27815-006	4/3/2023 16:47	4/3/2023 9:39	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	<2.0	mg/kg	04/04/23 09:10	04/04/23 15:05	--	1

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Lab Reference #: NAM 27815
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B20-E-0.5	27815-008	4/3/2023 16:47	4/3/2023 9:57	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	3.6	mg/kg	04/04/23 09:10	04/04/23 15:09	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B21-W-0.5	27815-010	4/3/2023 16:47	4/3/2023 10:19	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	7.6	mg/kg	04/04/23 09:10	04/04/23 15:12	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B4-E-0.5	27815-015	4/3/2023 16:47	4/3/2023 11:02	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	26	mg/kg	04/04/23 09:10	04/04/23 15:16	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B4-W-0.5	27815-018	4/3/2023 16:47	4/3/2023 11:12	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	720	mg/kg	04/04/23 09:10	04/04/23 15:26	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B4-N-0.5	27815-024	4/3/2023 16:47	4/3/2023 11:32	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	35	mg/kg	04/04/23 09:10	04/04/23 15:29	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B2-N-0.5	27815-035	4/3/2023 16:47	4/3/2023 13:07	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	3.9	mg/kg	04/04/23 09:10	04/04/23 15:31	--	1

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Irvine, CA, 92618

Lab Reference #: NAM 27815
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B42A-0.5	27815-038	4/3/2023 16:47	4/3/2023 13:44	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	63	mg/kg	04/04/23 09:10	04/04/23 15:34	--	1

B44-0.5	27815-041	4/3/2023 16:47	4/3/2023 14:16	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/04/23 09:10	04/04/23 14:59	--	1
Arsenic	6010B	3.1	mg/kg	04/04/23 09:10	04/04/23 14:59	--	1
Barium	6010B	130	mg/kg	04/04/23 09:10	04/04/23 14:59	--	1
Beryllium	6010B	<0.50	mg/kg	04/04/23 09:10	04/04/23 14:59	--	1
Cadmium	6010B	<0.50	mg/kg	04/04/23 09:10	04/04/23 14:59	--	1
Chromium	6010B	20	mg/kg	04/04/23 09:10	04/04/23 14:59	--	1
Cobalt	6010B	12	mg/kg	04/04/23 09:10	04/04/23 14:59	--	1
Copper	6010B	17	mg/kg	04/04/23 09:10	04/04/23 14:59	--	1
Lead	6010B	29	mg/kg	04/04/23 09:10	04/04/23 14:59	--	1
Mercury	7471A	<0.10	mg/kg	04/03/23 17:00	04/04/23 14:48	--	1
Molybdenum	6010B	<1.0	mg/kg	04/04/23 09:10	04/04/23 14:59	--	1
Nickel	6010B	13	mg/kg	04/04/23 09:10	04/04/23 14:59	--	1
Selenium	6010B	<4.8	mg/kg	04/04/23 09:10	04/04/23 14:59	--	1
Silver	6010B	<0.50	mg/kg	04/04/23 09:10	04/04/23 14:59	--	1
Thallium	6010B	<2.0	mg/kg	04/04/23 09:10	04/04/23 14:59	--	1
Vanadium	6010B	42	mg/kg	04/04/23 09:10	04/04/23 14:59	--	1
Zinc	6010B	100	mg/kg	04/04/23 09:10	04/04/23 14:59	--	1

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Irvine, CA, 92618

Lab Reference #: NAM 27815
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B44-2.5	27815-042	4/3/2023 16:47	4/3/2023 14:18	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/04/23 09:10	04/04/23 15:02	--	1
Arsenic	6010B	<2.0	mg/kg	04/04/23 09:10	04/04/23 15:02	--	1
Barium	6010B	130	mg/kg	04/04/23 09:10	04/04/23 15:02	--	1
Beryllium	6010B	<0.50	mg/kg	04/04/23 09:10	04/04/23 15:02	--	1
Cadmium	6010B	<0.50	mg/kg	04/04/23 09:10	04/04/23 15:02	--	1
Chromium	6010B	18	mg/kg	04/04/23 09:10	04/04/23 15:02	--	1
Cobalt	6010B	12	mg/kg	04/04/23 09:10	04/04/23 15:02	--	1
Copper	6010B	17	mg/kg	04/04/23 09:10	04/04/23 15:02	--	1
Lead	6010B	4.4	mg/kg	04/04/23 09:10	04/04/23 15:02	--	1
Mercury	7471A	<0.10	mg/kg	04/03/23 17:00	04/04/23 14:50	--	1
Molybdenum	6010B	<1.0	mg/kg	04/04/23 09:10	04/04/23 15:02	--	1
Nickel	6010B	12	mg/kg	04/04/23 09:10	04/04/23 15:02	--	1
Selenium	6010B	<4.8	mg/kg	04/04/23 09:10	04/04/23 15:02	--	1
Silver	6010B	<0.50	mg/kg	04/04/23 09:10	04/04/23 15:02	--	1
Thallium	6010B	<2.0	mg/kg	04/04/23 09:10	04/04/23 15:02	--	1
Vanadium	6010B	42	mg/kg	04/04/23 09:10	04/04/23 15:02	--	1
Zinc	6010B	62	mg/kg	04/04/23 09:10	04/04/23 15:02	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B14-E-0.5	27815-044	4/3/2023 16:47	4/3/2023 14:40	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	4.6	mg/kg	04/04/23 09:10	04/04/23 15:36	--	1

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Irvine, CA, 92618

Lab Reference #: NAM 27815
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B14-S-0.5	27815-046	4/3/2023 16:47	4/3/2023 14:45	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	7.0	mg/kg	04/04/23 09:10	04/04/23 15:39	--	1

Method Blank — Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBHV0404231	Antimony	6010B	<2.0	mg/kg	04/04/23 09:10	04/04/23 14:28	--	1
MBHV0404231	Arsenic	6010B	<2.0	mg/kg	04/04/23 09:10	04/04/23 14:28	--	1
MBHV0404231	Barium	6010B	<1.0	mg/kg	04/04/23 09:10	04/04/23 14:28	--	1
MBHV0404231	Beryllium	6010B	<0.50	mg/kg	04/04/23 09:10	04/04/23 14:28	--	1
MBHV0404231	Cadmium	6010B	<0.50	mg/kg	04/04/23 09:10	04/04/23 14:28	--	1
MBHV0404231	Chromium	6010B	<0.50	mg/kg	04/04/23 09:10	04/04/23 14:28	--	1
MBHV0404231	Cobalt	6010B	<0.50	mg/kg	04/04/23 09:10	04/04/23 14:28	--	1
MBHV0404231	Copper	6010B	<5.0	mg/kg	04/04/23 09:10	04/04/23 14:28	--	1
MBHV0404231	Lead	6010B	<0.80	mg/kg	04/04/23 09:10	04/04/23 14:28	--	1
MBHV0403233	Mercury	7471A	<0.10	mg/kg	04/03/23 17:00	04/04/23 14:15	--	1
MBHV0404231	Molybdenum	6010B	<1.0	mg/kg	04/04/23 09:10	04/04/23 14:28	--	1
MBHV0404231	Nickel	6010B	<1.0	mg/kg	04/04/23 09:10	04/04/23 14:28	--	1
MBHV0404231	Selenium	6010B	<4.8	mg/kg	04/04/23 09:10	04/04/23 14:28	--	1
MBHV0404231	Silver	6010B	<0.50	mg/kg	04/04/23 09:10	04/04/23 14:28	--	1
MBHV0404231	Thallium	6010B	<2.0	mg/kg	04/04/23 09:10	04/04/23 14:28	--	1
MBHV0404231	Vanadium	6010B	<0.50	mg/kg	04/04/23 09:10	04/04/23 14:28	--	1
MBHV0404231	Zinc	6010B	<5.0	mg/kg	04/04/23 09:10	04/04/23 14:28	--	1

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QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)
Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 4/6/2023 15:00
Date of Analysis: 4/10/2023 22:05
Dup Date of Analysis: 4/10/2023 22:27
Laboratory Sample #: 27812-001
MS/MSD Qualifiers: None
Reference #: NAM 27815

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
EFH as Diesel	11.0	1000	1560	1450	155	144	7	8-193	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Octacosane	154	142	☐

LCS	LCSD	Qual
111	102	☐

ACP % RC
40-160

Laboratory Control Sample

Date of Extraction: 4/6/2023 15:00
Date of Analysis: 4/10/2023 21:01
Dup Date of Analysis: 4/10/2023 21:22
Laboratory Sample #: LY0406232
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	1000	1060	1020	106	102	4	17-180	42	☐

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)
Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 4/5/2023 13:00
Date of Analysis: 4/5/2023 14:50
Dup Date of Analysis: 4/5/2023 15:11
Laboratory Sample #: 27812-001
MS/MSD Qualifiers: None
Reference #: NAM 27815

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	0.250	0.220	0.163	88	65	30	20-144	50	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
α-α-α-Trifluorotoluene	98	82	☐

LCS	LCSD	Qual
98	99	☐

ACP % RC
32-153

Laboratory Control Sample

Date of Extraction: 4/5/2023 13:00
Date of Analysis: 4/5/2023 13:59
Dup Date of Analysis: 4/5/2023 14:18
Laboratory Sample #: LY0405231
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	0.250	0.213	0.240	85	96	12	38-130	27	☐

QA/QC Report
for
Volatile Organic Compounds (8260B)
Reporting Units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 4/4/2023 9:59
Date of Analysis: 4/4/2023 12:47
Dup Date of Analysis: 4/4/2023 13:07
Laboratory Sample #: 27812-001
MS/MSD Qualifiers: None
Reference #: NAM 27815

Analyte	R	Spike Conc.	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Benzene	0.00	10.0	8.27	8.47	83	85	2	70-138	20	--
Chlorobenzene	0.00	10.0	8.71	8.88	87	89	2	70-132	20	--
1,1-Dichloroethene	0.00	10.0	6.23	6.67	62	67	7	46-130	20	--
Toluene	0.00	10.0	8.32	8.56	83	86	3	70-130	20	--
Trichloroethene	0.00	10.0	8.06	8.16	81	82	1	70-135	20	--

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Dibromofluoromethane	85	85	☐
Toluene-d8	84	84	☐
4-Bromofluorobenzene	88	86	☐

LCS	LCSD	Qual
85	86	☐
84	85	☐
86	88	☐

ACP % RC
65-130
58-130
40-135

Laboratory Control Sample (LCS) / Laboratory Control Sample Duplicate (LCSD)

Date of Extraction: 4/4/2023 9:59
Date of Analysis: 4/4/2023 12:05
Dup Date of Analysis: 4/4/2023 12:26
Laboratory Sample #: HT0404231
LCS/LCSD Qualifiers: None

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Benzene	10.0	8.42	8.13	84	81	4	70-134	20	--
Chlorobenzene	10.0	8.70	8.50	87	85	2	70-130	20	--
1,1-Dichloroethene	10.0	6.48	6.08	65	61	6	48-130	20	--
Toluene	10.0	8.35	8.07	84	81	3	70-130	20	--
Trichloroethene	10.0	8.36	8.04	84	80	4	70-132	20	--

QA/QC Report
for
Metals

Reference #: NAM 27815 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7471A**

Laboratory Sample #: 27811-005 **Date of Extraction:** 04/03/23 17:00

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Mercury	04/04/23 14:22	04/04/23 14:24	0.12	1.00	1.01	0.939	89	82	7	80-120	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **6010B/7471A**

Laboratory Sample #: HV0403233 **Date of Extraction:** 04/03/23 17:00

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Mercury	04/04/23 14:17	04/04/23 14:18	--	1.00	1.03	0.995	103	100	3	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7471A**

Laboratory Sample #: 27815-001 **Date of Extraction:** 04/04/23 09:10

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Antimony	04/04/23 14:45	04/04/23 14:49	0.00	20.0	5.55	5.26	28	26	5	75-125	20	M2,
Arsenic	04/04/23 14:45	04/04/23 14:49	3.30	20.0	19.9	20.6	83	87	3	75-125	20	--
Barium	04/04/23 14:45	04/04/23 14:49	120	20.0	187	197	335	385	5	75-125	20	M3,
Beryllium	04/04/23 14:45	04/04/23 14:49	0.00	20.0	17.7	18.3	89	91	3	75-125	20	--
Cadmium	04/04/23 14:45	04/04/23 14:49	0.560	20.0	16.6	17.2	80	83	4	75-125	20	--
Chromium	04/04/23 14:45	04/04/23 14:49	13.0	20.0	29.3	30.8	81	89	5	75-125	20	--
Cobalt	04/04/23 14:45	04/04/23 14:49	8.50	20.0	24.6	25.5	81	85	4	75-125	20	--
Copper	04/04/23 14:45	04/04/23 14:49	36.0	20.0	43.0	45.7	35	49	6	75-125	20	M3,
Lead	04/04/23 14:45	04/04/23 14:49	200	20.0	137	142	0	0	4	75-125	20	M3,
Molybdenum	04/04/23 14:45	04/04/23 14:49	0.00	20.0	16.5	17.2	83	86	4	75-125	20	--
Nickel	04/04/23 14:45	04/04/23 14:49	14.0	20.0	29.5	30.0	78	80	2	75-125	20	--
Selenium	04/04/23 14:45	04/04/23 14:49	0.00	20.0	14.5	18.0	73	90	22	75-125	20	M2, R2,
Silver	04/04/23 14:45	04/04/23 14:49	0.00	20.0	16.8	17.6	84	88	5	75-125	20	--
Thallium	04/04/23 14:45	04/04/23 14:49	0.00	20.0	14.3	14.6	72	73	2	75-125	20	M2,
Vanadium	04/04/23 14:45	04/04/23 14:49	32.0	20.0	46.1	47.9	70	80	4	75-125	20	M3,
Zinc	04/04/23 14:45	04/04/23 14:49	250	20.0	215	227	0	0	5	75-125	20	M3,

QA/QC Report
for
Metals

Reference #: NAM 27815 Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **6010B/7471A**

Laboratory Sample #: HV0404231 **Date of Extraction:** 04/04/23 09:10

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Antimony	04/04/23 14:31	04/04/23 14:34	--	20.0	17.8	17.8	89	89	0	80-120	20	--
Arsenic	04/04/23 14:31	04/04/23 14:34	--	20.0	18.1	18.1	91	91	0	80-120	20	--
Barium	04/04/23 14:31	04/04/23 14:34	--	20.0	18.8	18.5	94	93	2	80-120	20	--
Beryllium	04/04/23 14:31	04/04/23 14:34	--	20.0	18.1	18.0	91	90	1	80-120	20	--
Cadmium	04/04/23 14:31	04/04/23 14:34	--	20.0	17.8	17.8	89	89	0	80-120	20	--
Chromium	04/04/23 14:31	04/04/23 14:34	--	20.0	19.7	19.4	99	97	2	80-120	20	--
Cobalt	04/04/23 14:31	04/04/23 14:34	--	20.0	20.1	20.1	101	101	0	80-120	20	--
Copper	04/04/23 14:31	04/04/23 14:34	--	20.0	19.1	18.9	96	94	1	80-120	20	--
Lead	04/04/23 14:31	04/04/23 14:34	--	20.0	18.6	19.0	93	95	2	80-120	20	--
Molybdenum	04/04/23 14:31	04/04/23 14:34	--	20.0	18.2	18.2	91	91	0	80-120	20	--
Nickel	04/04/23 14:31	04/04/23 14:34	--	20.0	20.4	20.4	102	102	0	80-120	20	--
Selenium	04/04/23 14:31	04/04/23 14:34	--	20.0	18.2	17.8	91	89	2	80-120	20	--
Silver	04/04/23 14:31	04/04/23 14:34	--	20.0	19.4	19.2	97	96	1	80-120	20	--
Thallium	04/04/23 14:31	04/04/23 14:34	--	20.0	18.3	18.6	91	93	2	80-120	20	--
Vanadium	04/04/23 14:31	04/04/23 14:34	--	20.0	17.7	17.4	89	87	2	80-120	20	--
Zinc	04/04/23 14:31	04/04/23 14:34	--	20.0	19.7	19.6	99	98	1	80-120	20	--

Data Qualifier Definitions

Qualifier

M2 = Matrix spike recovery was low, the associated blank spike recovery was acceptable.

27815-001	6010B	Antimony	MS/MSD
27815-001	6010B	Selenium	MS
27815-001	6010B	Thallium	MS/MSD

M3 = The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The associated blank spike recovery was acceptable.

27815-001	6010B	Barium	MS/MSD
27815-001	6010B	Copper	MS/MSD
27815-001	6010B	Lead	MS/MSD
27815-001	6010B	Vanadium	MS
27815-001	6010B	Zinc	MS/MSD

R2 = RPD/RSD exceeded the laboratory acceptance limit.

27815-001	6010B	Selenium	MS/MSD

S1 = Surrogate recovery was above laboratory acceptance limits.

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.

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Lab Job No.: 27815 Page: 1 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	Scribe EDD
Phone:	(949) 753-7070 Fax:	Sampled By:	AC/EAC

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
1	B45-0.5	5	4/3/23	0800	SS	9oz jar/VOAs					X				X	X	
2	B45-2.5	↓	↓	0805	↓	↓											HOLD
3	B45-5			0815													HOLD
4	B45-10			0830													HOLD
5	B45-15	↓		0835		↓					X				X	X	
6	B20-W-0.5	1		0939		9oz jar		X									
7	B20-W-2.5	↓		0941		↓		X	EAC								HOLD
8	B20-E-0.5			0957				X									
9	B20-E-2.5			1003													HOLD
10	B21-W-0.5			1019				X									
11	B21-W-2.5			1025													HOLD
12	B4-E2-0.5			1055				X	EAC								HOLD
13	B4-E2-2.5			1057													HOLD
14	B4-E2-5	↓	↓	1059	↓	↓											HOLD

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME
Standard: X
72 Hour:
48 Hour:
24 Hour:

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: Ed Chavez	Date: 4/3/23 Time: 1647	Received By:	Date: Time:
Company: Ninyo & Moore		Company:	
Relinquished By:	Date: Time:	Received By:	Date: Time:
Company:		Company:	
Relinquished By:	Date: Time:	Received For OCA By: Heath Ide	Date: 4/3/23 Time: 1647
Company:		Company: OCA	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other DRJ

Sample Integrity: 3+0=3°C

Intact: ____ On Ice: (Yes) / No @ ____ °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.

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Lab Job No.: 27817 Page: 2 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	Scribe EDD
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC/AC

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
15	B4-E-0.5	1	4/3/23	1102	SS	9oz jar		X									
16	B4-E-2.5			1105													HOLD
17	B4-E-5			1110													HOLD
18	B4-W-0.5			1112				X									
19	B4-W-2.5			1114													HOLD
20	B4-W-5			1116													HOLD
21	B4-W2-0.5			1126													HOLD
22	B4-W2-2.5			1128													HOLD
23	B4-W2-5			1130													HOLD
24	B4-N-0.5			1132				X									
25	B4-N-2.5			1134													HOLD
26	B4-N-5			1136													HOLD
27	B4-N2-0.5			1205													HOLD
28	B4-N2-2.5	↓	↓	1207	↓	↓											HOLD

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME

Standard: X
72 Hour:
48 Hour:
24 Hour:

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: Ed Chavez	Date: 4/3/23 Time: 1647	Received By:	Date: Time:
Company: Ninyo & Moore		Company:	
Relinquished By:	Date: Time:	Received By:	Date: Time:
Company:		Company:	
Relinquished By:	Date: Time:	Received For OCA By: Heather Cole	Date: 4/3/23 Time: 1647
Company:		Company: OCAOA	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: 3 to 3 C tr3

Intact: _____ On Ice: (Yes) / No @ _____ °C

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Analysis Request & Chain of Custody Record

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Lab Job No.: 27815 Page: 3 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard	Address (City / State):	Los Angeles, CA
	Irvine, CA 92618	EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC/AC

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME: Standard: X; 72 Hour: ; 48 Hour: ; 24 Hour:

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,mo by EPA 8015B	REMARKS / INSTRUCTIONS
29	B4-N2-5	1	4/3/23	1209	SS	9oz jar											HOLD
30	B4A - 0.5			1218				X	EAC								HOLD
31	B4A - 2.5			1220													HOLD
32	B4A - 5			1222													HOLD
33	B4 - 5			1235													HOLD
34	B4 - 7.5			1239													HOLD
35	B2-N-0.5			1307				X									
36	B2 - N - 2.5			1310													HOLD
37	B2 - N - 5			1313													HOLD
38	B42A-0.5			1344				X									
39	B42A-2.5			1346													HOLD
40	B42A - 5			1348													HOLD
41	B44 - 0.5	5		1416		+4 VOAs					X				X	X	
42	B44-2.5			1418							X				X	X	

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: Ed Chavez	Date: 4/3/23	Received By:	Date:
	Time: 1647		Time:
Company: Ninyo & Moore		Company:	
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By:	Date:	Received For OCA By:	Date: 4/3/23
	Time:		Time: 1647
Company:		Company: OCAA	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: 3 to 3°C FR3

Intact: _____ On Ice: (Yes) / No @ _____ °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & C[illegible]n of Custody Record

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Lab Job No.: 27815 Page: 4 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC/AC

REQUESTED TURN-AROUND-TIME
Standard: X
72 Hour:
48 Hour:
24 Hour:

ANALYSIS REQUEST / PRESERVATION

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,mo by EPA 8015B	REMARKS / INSTRUCTIONS
43	B44-5	5	4/3/23	1420	SS	9oz jar/9VOAs											HOLD
44	B14-E-0.5	1	↓	1440	↓	9oz jar		X									
45	B14-E-2.5	↓	↓	1441	↓	↓											HOLD
44	B14-S-0.5	↓	↓	1445	↓	↓		X									
41	B14-S-2.5	↓	↓	1447	↓	↓											HOLD

EAC 4/3/23

No. of Samples: 5 Method of Shipment: Hand delivered Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date:	Received By:	Date:	Sample Matrix:
Ed Chavez/[signature]	Time: 1647		Time:	DW - Drinking Water
Company: Ninyo & Moore		Company:		GW - Groundwater; AQ - Aqueous
Relinquished By:	Date:	Received By:	Date:	WW - Wastewater; SS - Soil / Solid
	Time:		Time:	SW - Stormwater; OT - Other
Company:		Company:		
Relinquished By:	Date:	Received For OCA By: [signature]	Date: 4/3/23	Sample Integrity: 3TO=3°C 4/3/23
	Time:		Time: 1647	Intact: ____ On Ice: Yes / No @ ____ °C
Company:		Company: OCA/CA		

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Sample Receipt Report

Laboratory Reference: **NAM 27815** Logged in by: HC

Received:	04/03/23 16:47	Company Name:	Ninyo & Moore
Method of Shipment:	Hand Delivered	Project Manager:	Mr. Dennis Fee
Shipping Container:	Cooler	Project Name:	LAUSD 49th Street PEA
# Shipping Containers:	1	Project #:	211936010

Sample Quantity
47 Soil

Chain of Custody	Complete ☑	Incomplete ☐	None ☐
Samples On Ice	Yes, Wet ☑	Yes, Blue ☐	No ☐
Observed Temp. (°C): 3	Thermometer ID: #3	Adjusted Temp.: 3	
Shipping Intact	Yes ☑	N/A ☐	No ☐
Shipping Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Samples Intact	Yes ☑		No ☐
Sample Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated	Yes ☐	N/A ☑	No ☐
Proper Test Containers	Yes ☑		No ☐
Proper Test Preservations	Yes ☑		No ☐
Samples Within Hold Times	Yes ☑		No ☐
VOAs Have Zero Headspace	Yes ☐	N/A ☑	No ☐
Sample Labels	Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC	Yes ☑	N/A ☐	No ☐

Notes

Client Notified _____ By _____ On _____

Orange Coast Analytical, Inc.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.:2576
Expiration Date: 2023
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:
Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 27815A
Project Name:	LAUSD 49th Street PEA
Project Number:	211936010
Date Received:	4/13/2023
Date Reported:	4/27/2023
Chain of Custody Received:	☑
Analytical Method:	8015B, 6010B, 1311/6010B,

Mark Noorani, Laboratory Director

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Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27815A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 3ºC, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27815A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B45-0.5	27815-001	4/3/2023	4/3/2023	Soil
B45-2.5	27815-002	4/3/2023	4/3/2023	Soil
B4-E2-0.5	27815-012	4/3/2023	4/3/2023	Soil
B4-E-2.5	27815-016	4/3/2023	4/3/2023	Soil
B4-W-2.5	27815-019	4/3/2023	4/3/2023	Soil
B4-W2-0.5	27815-021	4/3/2023	4/3/2023	Soil
B4-5	27815-033	4/3/2023	4/3/2023	Soil
B42A-0.5	27815-038	4/3/2023	4/3/2023	Soil
B42A-2.5	27815-039	4/3/2023	4/3/2023	Soil

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27815A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B45-2.5	27815-002	4/3/2023 16:47	4/3/2023 8:05	4/26/2023 15:20	4/27/2023 2:41	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	102
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B45-2.5	27815-002	4/3/2023 16:47	4/3/2023 8:05	4/26/2023 15:20	4/27/2023 2:41	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	102
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBVV0426232			4/26/2023 15:20	4/26/2023 20:13	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	92
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBVV0426232			4/26/2023 15:20	4/26/2023 20:13	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	92
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

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Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27815A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B45-0.5	27815-001	4/3/2023 16:47	4/3/2023 8:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Lead	6010B	0.11	mg/l	04/19/23 10:35	04/20/23 10:55	--	1

B45-2.5	27815-002	4/3/2023 16:47	4/3/2023 8:05	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Lead	6010B	2.5	mg/kg	04/18/23 10:30	04/18/23 16:14	--	1

B4-E2-0.5	27815-012	4/3/2023 16:47	4/3/2023 10:55	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	46	mg/kg	04/18/23 10:30	04/18/23 15:50	--	1

B4-E-2.5	27815-016	4/3/2023 16:47	4/3/2023 11:05	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	3.1	mg/kg	04/18/23 10:30	04/18/23 15:56	--	1

B4-W-2.5	27815-019	4/3/2023 16:47	4/3/2023 11:14	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	130	mg/kg	04/18/23 10:30	04/18/23 16:06	--	1

B4-W2-0.5	27815-021	4/3/2023 16:47	4/3/2023 11:26	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	180	mg/kg	04/18/23 10:30	04/18/23 16:08	--	1

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Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27815A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B4-5	27815-033	4/3/2023 16:47	4/3/2023 12:35	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	3.9	mg/kg	04/18/23 10:30	04/18/23 16:10	--	1

B42A-2.5	27815-039	4/3/2023 16:47	4/3/2023 13:46	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	2.3	mg/kg	04/18/23 10:30	04/18/23 16:12	--	1

Method Blank						Soil	
MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBHV0418231	Arsenic	6010B	<2.0	mg/kg	04/18/23 10:30	04/18/23 15:36	--	1
MBHV0418231	Lead	6010B	<0.80	mg/kg	04/18/23 10:30	04/18/23 15:36	--	1

Method Blank						Soil	
MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR0419232	TCLP Lead	6010B	<0.080	mg/l	04/19/23 10:35	04/20/23 10:35	--	1

B45-0.5	27815-001	4/3/2023 16:47	4/3/2023 8:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
STLC Lead	6010B	4.7	mg/L	04/17/23 08:30	04/18/23 14:40	--	1

B42A-0.5	27815-038	4/3/2023 16:47	4/3/2023 13:44	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
STLC Arsenic	6010B	2.4	mg/L	04/17/23 08:30	04/18/23 14:43	--	1

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Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27815A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR0417231	STLC Arsenic	6010B	<0.20	mg/L	04/17/23 08:30	04/18/23 16:16	--	1
MBIR0417231	STLC Lead	6010B	<0.20	mg/L	04/17/23 08:30	04/18/23 16:16	--	1

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QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)
Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 4/26/2023 15:20
Date of Analysis: 4/26/2023 21:40
Dup Date of Analysis: 4/26/2023 22:02
Laboratory Sample #: 27864-008
MS/MSD Qualifiers: None
Reference #: NAM 27815A

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
EFH as Diesel	0.00	1000	646	623	65	62	4	8-193	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Octacosane	100	100	☐

LCS	LCSD	Qual
99	100	☐

ACP % RC
40-160

Laboratory Control Sample

Date of Extraction: 4/26/2023 15:20
Date of Analysis: 4/26/2023 20:56
Dup Date of Analysis: 4/26/2023 21:18
Laboratory Sample #: VV0426232
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	1000	604	656	60	66	8	17-180	42	☐

QA/QC Report
for
Metals

Reference #: NAM 27815A Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B**

Laboratory Sample #: 27815-012 **Date of Extraction:** 04/18/23 10:30

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Arsenic	04/18/23 15:44	04/18/23 15:47	46.0	20.0	64.3	65.2	92	96	1	75-125	20	--
Lead	04/18/23 15:44	04/18/23 15:47	3.90	20.0	18.5	19.0	73	75	3	75-125	20	M2,

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ 6010B**

Laboratory Sample #: HV0418231 **Date of Extraction:** 04/18/23 10:30

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Arsenic	04/18/23 15:39	04/18/23 15:42	--	20.0	18.3	18.2	91	91	1	80-120	20	--
Lead	04/18/23 15:39	04/18/23 15:42	--	20.0	18.2	18.3	91	91	1	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B**

Laboratory Sample #: 27827-001 **Date of Extraction:** 04/19/23 10:35

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
TCLP Lead	04/20/23 10:43	04/20/23 10:46	0.19	0.400	0.587	0.569	99	95	3	75-125	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ 6010B**

Laboratory Sample #: IR0419232 **Date of Extraction:** 04/19/23 10:35

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
TCLP Lead	04/20/23 10:37	04/20/23 10:40	--	0.400	0.387	0.379	97	95	2	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ STLC CCR**

Laboratory Sample #: 27844-001 **Date of Extraction:** 04/17/23 08:30

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
STLC Arsenic	04/18/23 16:22	04/18/23 16:24	0.00	1.00	1.01	1.01	101	101	0	75-125	20	--
STLC Lead	04/18/23 16:22	04/18/23 16:24	0.00	1.00	1.01	0.990	101	99	2	75-125	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ STLC CCR**

Laboratory Sample #: IR0417231 **Date of Extraction:** 04/17/23 08:30

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
STLC Arsenic	04/18/23 16:18	04/18/23 16:20	--	1.00	0.924	0.952	92	95	3	80-120	20	--
STLC Lead	04/18/23 16:18	04/18/23 16:20	--	1.00	0.829	0.861	83	86	4	80-120	20	--

Data Qualifier Definitions

Qualifier

M2 = Matrix spike recovery was low, the associated blank spike recovery was acceptable.

27815-012	6010B	Lead	MS

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & Chain of Custody Record

Lab Job No.: 27815 Page: 1 of 4

ORANGE COAST ANALYTICAL, INC. www.ocalab.com

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Phone: (480) 736-0960 Fax: (480) 736-0970

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	Scribe EDD
Phone:	(949) 753-7070 Fax:	Sampled By:	AC/EAC

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
1	B45-0.5	5	4/3/23	0800	SS	9oz jar/VOAs					X				X	X	
2	B45-2.5	↓		0805		↓											HOLD
3	B45-5			0815													HOLD
4	B45-10			0830													HOLD
5	B45-15	↓		0835		↓					X				X	X	
6	B20-W-0.5	1		0939		9oz jar		X									
7	B20-W-2.5			0941				X	EAC								HOLD
8	B20-E-0.5			0957				X									
9	B20-E-2.5			1003													HOLD
10	B21-W-0.5			1019				X									
11	B21-W-2.5			1025													HOLD
12	B4-E2-0.5			1055				X	EAC								HOLD
13	B4-E2-2.5			1057													HOLD
14	B4-E2-5	↓	↓	1059	↓	↓											HOLD

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME
Standard: X
72 Hour:
48 Hour:
24 Hour:

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: Ed Chavez	Date: 4/3/23 Time: 1647	Received By:	Date: Time:
Company: Ninyo & Moore		Company:	
Relinquished By:	Date: Time:	Received By:	Date: Time:
Company:		Company:	
Relinquished By:	Date: Time:	Received For OCA By: Heath Ide	Date: 4/3/23 Time: 1647
Company:		Company: OCAL	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other DRJ

Sample Integrity: 3+0=3°C
Intact: ____ On Ice: (Yes) / No @ ____ °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC. www.ocalab.com

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Phoenix, AZ 85040
Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 27817 Page: 2 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	Scribe EDD
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC/AC

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
15	B4-E-0.5	1	4/3/23	1102	SS	9oz jar		X									
16	B4-E-2.5			1105													HOLD
17	B4-E-5			1110													HOLD
18	B4-W-0.5			1112				X									
19	B4-W-2.5			1114													HOLD
20	B4-W-5			1116													HOLD
21	B4-W2-0.5			1126													HOLD
22	B4-W2-2.5			1128													HOLD
23	B4-W2-5			1130													HOLD
24	B4-N-0.5			1132				X									
25	B4-N-2.5			1134													HOLD
26	B4-N-5			1136													HOLD
27	B4-N2-0.5			1205													HOLD
28	B4-N2-2.5	↓	↓	1207	↓	↓											HOLD

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME
Standard: X
72 Hour:
48 Hour:
24 Hour:

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: Ed Chavez	Date: 4/3/23 Time: 1647	Received By:	Date: Time:
Company: Ninyo & Moore		Company:	
Relinquished By:	Date: Time:	Received By:	Date: Time:
Company:		Company:	
Relinquished By:	Date: Time:	Received For OCA By: Heather Cole	Date: 4/3/23 Time: 1647
Company:		Company: OCAOA	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: 3 to 3 C tb3
Intact: _____ On Ice: (Yes) / No @ _____ °C

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Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.

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Phoenix, AZ 85040
Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 27815 Page: 3 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard	Address (City / State):	Los Angeles, CA
	Irvine, CA 92618	EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC/AC

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME: Standard: X; 72 Hour: ; 48 Hour: ; 24 Hour:

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,mo by EPA 8015B	REMARKS / INSTRUCTIONS
29	B4-N2-5	1	4/3/23	1209	SS	9oz jar											HOLD
30	B4A-0.5			1218				X	EAC								HOLD
31	B4A-2.5			1220													HOLD
32	B4A-5			1222													HOLD
33	B4-5			1235													HOLD
34	B4-7.5			1239													HOLD
35	B2-N-0.5			1307				X									
36	B2-N-2.5			1310													HOLD
37	B2-N-5			1313													HOLD
38	B42A-0.5			1344				X									
39	B42A-2.5			1346													HOLD
40	B42A-5			1348													HOLD
41	B44-0.5	5		1416		+4 VOAs					X				X	X	
42	B44-2.5	↓	↓	1418	↓	↓					X				X	X	

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: Ed Chavez	Date: 4/3/23	Received By:	Date:
	Time: 1647		Time:
Company: Ninyo & Moore		Company:	
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By:	Date:	Received For OCA By:	Date: 4/3/23
	Time:		Time: 1647
Company:		Company: OCAA	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: 3 to 3°C FR3

Intact: _____ On Ice: (Yes) / No @ _____ °C

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Analysis Request & Chain of Custody Record

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Lab Job No.: 27815 Page: 4 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC/AC

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME

Standard: X
72 Hour:
48 Hour:
24 Hour:

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,mo by EPA 8015B	REMARKS / INSTRUCTIONS
43	B44-5	5	4/3/23	1420	SS	9oz jar/9VOAs											HOLD
44	B14-E-0.5	1		1440		9oz jar		X									
45	B14-E-2.5			1441													HOLD
46	B14-S-0.5			1445				X									
47	B14-S-2.5			1447													HOLD

EAC 4/3/23

No. of Samples: 5 Method of Shipment: Hand delivered

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: Ed Chavez	Date: 4/3/23 Time: 1647	Received By:	Date: Time:
Company: Ninyo & Moore		Company:	
Relinquished By:	Date: Time:	Received By:	Date: Time:
Company:		Company:	
Relinquished By:	Date: Time:	Received For OCA By:	Date: 4/3/23 Time: 1647
Company:		Company: OCAA	

Sample Matrix: DW - Drinking Water; GW - Groundwater; WW - Wastewater; SW - Stormwater; AQ - Aqueous; SS - Soil / Solid; OT - Other

Sample Integrity: 3 pk = 3°C 4/3/23

Intact: _____ On Ice: (Yes) No @ _____ °C

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Sample Receipt Report

Laboratory Reference: **NAM 27815** Logged in by: HC

Received:	04/03/23 16:47	Company Name:	Ninyo & Moore
Method of Shipment:	Hand Delivered	Project Manager:	Mr. Dennis Fee
Shipping Container:	Cooler	Project Name:	LAUSD 49th Street PEA
# Shipping Containers:	1	Project #:	211936010

Sample Quantity
47 Soil

Chain of Custody	Complete ☑	Incomplete ☐	None ☐
Samples On Ice	Yes, Wet ☑	Yes, Blue ☐	No ☐
Observed Temp. (°C): 3	Thermometer ID: #3	Adjusted Temp.: 3	
Shipping Intact	Yes ☑	N/A ☐	No ☐
Shipping Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Samples Intact	Yes ☑		No ☐
Sample Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated	Yes ☐	N/A ☑	No ☐
Proper Test Containers	Yes ☑		No ☐
Proper Test Preservations	Yes ☑		No ☐
Samples Within Hold Times	Yes ☑		No ☐
VOAs Have Zero Headspace	Yes ☐	N/A ☑	No ☐
Sample Labels	Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC	Yes ☑	N/A ☐	No ☐

Notes

Client Notified _____ By _____ On _____

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LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.:2576
Expiration Date: 2025
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:
Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 27815B
Project Name:	LAUSD 49th Street PEA
Project Number:	211936010
Date Received:	4/25/2023
Date Reported:	4/28/2023
Chain of Custody Received:	☑
Analytical Method:	6010B, 1311/6010B,

Mark Noorani, Laboratory Director

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Rev1.0

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27815B
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 3ºC, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

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Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27815B
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B4-W2-0.5	27815-021	4/3/2023	4/3/2023	Soil

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27815B
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B4-W2-0.5	27815-021	4/3/2023 16:47	4/3/2023 11:26	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Arsenic	6010B	4.5	mg/l	04/25/23 17:00	04/28/23 11:22	--	1

Method Blank — Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBHV0425232	TCLP Arsenic	6010B	<0.080	mg/l	04/25/23 17:00	04/26/23 12:31	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B4-W2-0.5	27815-021	4/3/2023 16:47	4/3/2023 11:26	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
STLC Arsenic	6010B	11	mg/L	04/27/23 17:35	04/28/23 11:09	--	1

Method Blank — Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBHV0427235	STLC Arsenic	6010B	<0.20	mg/L	04/27/23 17:35	04/28/23 10:53	--	1

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QA/QC Report
for
Metals

Reference #: NAM 27815B

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B**

Laboratory Sample #: AZ13965-001 **Date of Extraction:** 04/25/23 17:00

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
TCLP Arsenic	04/26/23 12:44	04/26/23 12:47	0.00	0.400	0.382	0.371	95	93	3	75-125	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ 6010B**

Laboratory Sample #: IR0425232 **Date of Extraction:** 04/25/23 17:00

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
TCLP Arsenic	04/26/23 12:34	04/26/23 12:36	--	0.400	0.375	0.386	94	97	3	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ STLC CCR**

Laboratory Sample #: 27815-021 **Date of Extraction:** 04/27/23 17:35

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
STLC Arsenic	04/28/23 11:17	04/28/23 11:20	11.0	1.00	13.1	13.4	210	240	2	75-125	20	M3,

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ STLC CCR**

Laboratory Sample #: HV0427235 **Date of Extraction:** 04/27/23 17:35

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
STLC Arsenic	04/28/23 10:56	04/28/23 10:58	--	1.00	0.956	0.963	96	96	1	80-120	20	--

Data Qualifier Definitions

Qualifier

M3 = The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The associated blank spike recovery was acceptable.

27815-021	STLC CCR	STLC Arsenic	MS/MSD

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & Chain of Custody Record

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Lab Job No.: 27815 Page: 1 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	Scribe EDD
Phone:	(949) 753-7070 Fax:	Sampled By:	AC/EAC

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
1	B45-0.5	5	4/3/23	0800	SS	9oz jar/VOAs					X				X	X	
2	B45-2.5	↓	↓	0805	↓	↓											HOLD
3	B45-5			0815													HOLD
4	B45-10			0830													HOLD
5	B45-15	↓		0835							X				X	X	
6	B20-W-0.5	1		0939		9oz jar		X									
7	B20-W-2.5	↓		0941		↓		X	EAC								HOLD
8	B20-E-0.5			0957				X									
9	B20-E-2.5			1003													HOLD
10	B21-W-0.5			1019				X									
11	B21-W-2.5			1025													HOLD
12	B4-E2-0.5			1055				X	EAC								HOLD
13	B4-E2-2.5			1057													HOLD
14	B4-E2-5	↓	↓	1059	↓	↓											HOLD

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME

Standard: X
72 Hour:
48 Hour:
24 Hour:

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: Ed Chavez	Date: 4/3/23 Time: 1647	Received By:	Date: Time:
Company: Ninyo & Moore		Company:	
Relinquished By:	Date: Time:	Received By:	Date: Time:
Company:		Company:	
Relinquished By:	Date: Time:	Received For OCA By: Heath Ide	Date: 4/3/23 Time: 1647
Company:		Company: OCAL	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other DRJ

Sample Integrity: 3+0=3°C

Intact: _____ On Ice: (Yes) / No @ _____ °C

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Analysis Request & Chain of Custody Record

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Phoenix, AZ 85040
Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 27817 Page: 2 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	Scribe EDD
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC/AC

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,o by EPA 8015B	REMARKS / INSTRUCTIONS
15	B4-E-0.5	1	4/3/23	1102	SS	9oz jar		X									
16	B4-E-2.5			1105													HOLD
17	B4-E-5			1110													HOLD
18	B4-W-0.5			1112				X									
19	B4-W-2.5			1114													HOLD
20	B4-W-5			1116													HOLD
21	B4-W2-0.5			1126													HOLD
22	B4-W2-2.5			1128													HOLD
23	B4-W2-5			1130													HOLD
24	B4-N-0.5			1132				X									
25	B4-N-2.5			1134													HOLD
26	B4-N-5			1136													HOLD
27	B4-N2-0.5			1205													HOLD
28	B4-N2-2.5	↓	↓	1207	↓	↓											HOLD

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME
Standard: X
72 Hour:
48 Hour:
24 Hour:

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: Ed Chavez	Date: 4/3/23 Time: 1647	Received By:	Date: Time:
Company: Ninyo & Moore		Company:	
Relinquished By:	Date: Time:	Received By:	Date: Time:
Company:		Company:	
Relinquished By:	Date: Time:	Received For OCA By: Heather Cole	Date: 4/3/23 Time: 1647
Company:		Company: OCAOA	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: 3 to 3 C tb3
Intact: _____ On Ice: (Yes) / No @ _____ °C

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Lab Job No.: 27815 Page: 3 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard	Address (City / State):	Los Angeles, CA
	Irvine, CA 92618	EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC/AC

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME: Standard: X; 72 Hour: ; 48 Hour: ; 24 Hour:

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,mo by EPA 8015B	REMARKS / INSTRUCTIONS
29	B4-N2-5	1	4/3/23	1209	SS	9oz jar											HOLD
30	B4A-0.5			1218				X	EAC								HOLD
31	B4A-2.5			1220													HOLD
32	B4A-5			1222													HOLD
33	B4-5			1235													HOLD
34	B4-7.5			1239													HOLD
35	B2-N-0.5			1307				X									
36	B2-N-2.5			1310													HOLD
37	B2-N-5			1313													HOLD
38	B42A-0.5			1344				X									
39	B42A-2.5			1346													HOLD
40	B42A-5			1348													HOLD
41	B44-0.5	5		1416		+4 VOAs					X				X	X	
42	B44-2.5	↓	↓	1418	↓	↓					X				X	X	

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: Ed Chavez	Date: 4/3/23	Received By:	Date:
	Time: 1647		Time:
Company: Ninyo & Moore		Company:	
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By:	Date:	Received For OCA By:	Date: 4/3/23
	Time:		Time: 1647
Company:		Company: OCAA	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: 3 to 3°C FR3

Intact: _____ On Ice: (Yes) / No @ _____ °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & C[illegible]n of Custody Record

ORANGE COAST ANALYTICAL, INC. www.ocalab.com

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4620 East Elwood Street, Suite 4
Phoenix, AZ 85040
Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 27815 Page: 4 of 4

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	EAC/AC

REQUESTED TURN-AROUND-TIME
Standard: X
72 Hour:
48 Hour:
24 Hour:

ANALYSIS REQUEST / PRESERVATION

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,mo by EPA 8015B	REMARKS / INSTRUCTIONS
43	B44-5	5	4/3/23	1420	SS	9oz jar/9VOAs											HOLD
44	B14-E-0.5	1	↓	1440	↓	9oz jar		X									
45	B14-E-2.5	↓	↓	1441	↓	↓											HOLD
44	B14-S-0.5	↓	↓	1445	↓	↓		X									
41	B14-S-2.5	↓	↓	1447	↓	↓											HOLD

EAC 4/3/23

No. of Samples: 5 Method of Shipment: Hand delivered Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date:	Received By:	Date:	Sample Matrix:
Ed Chavez/[signature]	Time: 1647		Time:	DW - Drinking Water
Company: Ninyo & Moore		Company:		GW - Groundwater; AQ - Aqueous
Relinquished By:	Date:	Received By:	Date:	WW - Wastewater; SS - Soil / Solid
	Time:		Time:	SW - Stormwater; OT - Other
Company:		Company:		
Relinquished By:	Date:	Received For OCA By: [signature]	Date: 4/3/23	Sample Integrity: 3TO=3°C 4/3/23
	Time:		Time: 1647	Intact: ____ On Ice: Yes / No @ ____ °C
Company:		Company: OCA/CA		

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Sample Receipt Report

Laboratory Reference: **NAM 27815** Logged in by: HC

Received:	04/03/23 16:47	Company Name:	Ninyo & Moore
Method of Shipment:	Hand Delivered	Project Manager:	Mr. Dennis Fee
Shipping Container:	Cooler	Project Name:	LAUSD 49th Street PEA
# Shipping Containers:	1	Project #:	211936010

Sample Quantity
47 Soil

Chain of Custody	Complete ☑	Incomplete ☐	None ☐
Samples On Ice	Yes, Wet ☑	Yes, Blue ☐	No ☐
Observed Temp. (°C): 3	Thermometer ID: #3	Adjusted Temp.: 3	
Shipping Intact	Yes ☑	N/A ☐	No ☐
Shipping Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Samples Intact	Yes ☑		No ☐
Sample Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated	Yes ☐	N/A ☑	No ☐
Proper Test Containers	Yes ☑		No ☐
Proper Test Preservations	Yes ☑		No ☐
Samples Within Hold Times	Yes ☑		No ☐
VOAs Have Zero Headspace	Yes ☐	N/A ☑	No ☐
Sample Labels	Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC	Yes ☑	N/A ☐	No ☐

Notes

Client Notified _____ By _____ On _____

Orange Coast Analytical, Inc.
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4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.:2576
Expiration Date: 2023
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:
Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 27827
Project Name:	LAUSD 49th Street PEA
Project Number:	211936010
Date Received:	4/5/2023
Date Reported:	4/17/2023
Chain of Custody Received:	☑
Analytical Method:	8015B, 8081A, 8082, 8260B, 8270C, 6010B, 7471A,

Mark Noorani, Laboratory Director

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Rev1.0

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at ºC, on ice.

2 coolers at 3 and 1 °C IR#3 correction =+0 °C

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B34-2.5	27827-001	4/5/2023	4/5/2023	Soil
B34-5	27827-002	4/5/2023	4/5/2023	Soil
B34-10	27827-003	4/5/2023	4/5/2023	Soil
B35-2.5	27827-004	4/5/2023	4/5/2023	Soil
B35-5	27827-005	4/5/2023	4/5/2023	Soil
B35-10	27827-006	4/5/2023	4/5/2023	Soil
B46-0.5	27827-007	4/5/2023	4/5/2023	Soil
B46-2.5	27827-008	4/5/2023	4/5/2023	Soil
B46-5	27827-009	4/5/2023	4/5/2023	Soil
B46-10	27827-010	4/5/2023	4/5/2023	Soil
B46-15	27827-011	4/5/2023	4/5/2023	Soil
B39-0.5	27827-012	4/5/2023	4/5/2023	Soil
B39-2.5	27827-013	4/5/2023	4/5/2023	Soil
B39-5	27827-014	4/5/2023	4/5/2023	Soil
B39-10	27827-015	4/5/2023	4/5/2023	Soil
B39-15	27827-016	4/5/2023	4/5/2023	Soil
B38-0.5	27827-017	4/5/2023	4/5/2023	Soil
B38-2.5	27827-018	4/5/2023	4/5/2023	Soil
B38-5	27827-019	4/5/2023	4/5/2023	Soil
B38-10	27827-020	4/5/2023	4/5/2023	Soil
B38-15	27827-021	4/5/2023	4/5/2023	Soil
B37-0.5	27827-022	4/5/2023	4/5/2023	Soil
B37-2.5	27827-023	4/5/2023	4/5/2023	Soil
B37-5	27827-024	4/5/2023	4/5/2023	Soil
B37-10	27827-025	4/5/2023	4/5/2023	Soil
B37-15	27827-026	4/5/2023	4/5/2023	Soil
B36-0.5	27827-027	4/5/2023	4/5/2023	Soil
B36-2.5	27827-028	4/5/2023	4/5/2023	Soil
B36-5	27827-029	4/5/2023	4/5/2023	Soil
B36-10	27827-030	4/5/2023	4/5/2023	Soil
B43-0.5	27827-031	4/5/2023	4/5/2023	Soil
B43-2.5	27827-032	4/5/2023	4/5/2023	Soil
B43-5	27827-033	4/5/2023	4/5/2023	Soil
B43-10	27827-034	4/5/2023	4/5/2023	Soil
B43-15	27827-035	4/5/2023	4/5/2023	Soil

Mr. Dennis Fee
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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-2.5	27827-001	4/5/2023 17:51	4/5/2023 8:00	4/11/2023 14:35	4/13/2023 12:26	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	132
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-2.5	27827-001	4/5/2023 17:51	4/5/2023 8:00	4/11/2023 14:35	4/13/2023 12:26	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	132
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-10	27827-003	4/5/2023 17:51	4/5/2023 8:30	4/11/2023 14:35	4/13/2023 13:08	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	146
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-10	27827-003	4/5/2023 17:51	4/5/2023 8:30	4/11/2023 14:35	4/13/2023 13:08	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	146
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B35-2.5	27827-004	4/5/2023 17:51	4/5/2023 9:10	4/11/2023 14:35	4/13/2023 13:51	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	146
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B35-2.5	27827-004	4/5/2023 17:51	4/5/2023 9:10	4/11/2023 14:35	4/13/2023 13:51	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	146
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B35-10	27827-006	4/5/2023 17:51	4/5/2023 9:25	4/11/2023 14:35	4/13/2023 14:33	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	142
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B35-10	27827-006	4/5/2023 17:51	4/5/2023 9:25	4/11/2023 14:35	4/13/2023 14:33	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	142
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B46-0.5	27827-007	4/5/2023 17:51	4/5/2023 9:58	4/11/2023 14:35	4/13/2023 15:16	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	140
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B46-0.5	27827-007	4/5/2023 17:51	4/5/2023 9:58	4/11/2023 14:35	4/13/2023 15:16	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	140
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B46-2.5	27827-008	4/5/2023 17:51	4/5/2023 10:00	4/11/2023 14:35	4/13/2023 15:59	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	131
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B46-2.5	27827-008	4/5/2023 17:51	4/5/2023 10:00	4/11/2023 14:35	4/13/2023 15:59	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	131
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B46-5	27827-009	4/5/2023 17:51	4/5/2023 10:13	4/11/2023 14:35	4/13/2023 16:42	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	132
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B46-5	27827-009	4/5/2023 17:51	4/5/2023 10:13	4/11/2023 14:35	4/13/2023 16:42	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	132
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B46-10	27827-010	4/5/2023 17:51	4/5/2023 10:15	4/11/2023 14:35	4/13/2023 17:25	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	150
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B46-10	27827-010	4/5/2023 17:51	4/5/2023 10:15	4/11/2023 14:35	4/13/2023 17:25	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	150
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-0.5	27827-012	4/5/2023 17:51	4/5/2023 10:49	4/11/2023 14:35	4/14/2023 18:21	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	121
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-0.5	27827-012	4/5/2023 17:51	4/5/2023 10:49	4/11/2023 14:35	4/14/2023 18:21	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	121
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-2.5	27827-013	4/5/2023 17:51	4/5/2023 10:52	4/11/2023 14:35	4/14/2023 19:04	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	128
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-2.5	27827-013	4/5/2023 17:51	4/5/2023 10:52	4/11/2023 14:35	4/14/2023 19:04	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	128
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

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475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-5	27827-014	4/5/2023 17:51	4/5/2023 11:00	4/11/2023 14:35	4/14/2023 19:47	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	12	Octacosane	130
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-5	27827-014	4/5/2023 17:51	4/5/2023 11:00	4/11/2023 14:35	4/14/2023 19:47	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	130
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-10	27827-015	4/5/2023 17:51	4/5/2023 11:02	4/11/2023 14:35	4/14/2023 20:29	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	147
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-10	27827-015	4/5/2023 17:51	4/5/2023 11:02	4/11/2023 14:35	4/14/2023 20:29	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	147
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-15	27827-016	4/5/2023 17:51	4/5/2023 11:05	4/11/2023 14:35	4/14/2023 21:11	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	128
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

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Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-15	27827-016	4/5/2023 17:51	4/5/2023 11:05	4/11/2023 14:35	4/14/2023 21:11	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	128
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-0.5	27827-017	4/5/2023 17:51	4/5/2023 12:37	4/11/2023 14:35	4/14/2023 21:53	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	130
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-0.5	27827-017	4/5/2023 17:51	4/5/2023 12:37	4/11/2023 14:35	4/14/2023 21:53	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	130
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-2.5	27827-018	4/5/2023 17:51	4/5/2023 12:39	4/11/2023 14:35	4/14/2023 22:35	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	171
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: S1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-2.5	27827-018	4/5/2023 17:51	4/5/2023 12:39	4/11/2023 14:35	4/14/2023 22:35	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	171
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: S1,

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-5	27827-019	4/5/2023 17:51	4/5/2023 12:53	4/11/2023 14:35	4/14/2023 23:17	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	187
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: S1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-5	27827-019	4/5/2023 17:51	4/5/2023 12:53	4/11/2023 14:35	4/14/2023 23:17	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	187
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: S1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-10	27827-020	4/5/2023 17:51	4/5/2023 12:55	4/11/2023 14:35	4/14/2023 23:59	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	159
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-10	27827-020	4/5/2023 17:51	4/5/2023 12:55	4/11/2023 14:35	4/14/2023 23:59	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	159
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-15	27827-021	4/5/2023 17:51	4/5/2023 12:58	4/11/2023 14:35	4/15/2023 0:41	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	170
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: S1,

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-15	27827-021	4/5/2023 17:51	4/5/2023 12:58	4/11/2023 14:35	4/15/2023 0:41	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	170
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: S1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-0.5	27827-022	4/5/2023 17:51	4/5/2023 13:26	4/11/2023 14:35	4/15/2023 1:24	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	182
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: S1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-0.5	27827-022	4/5/2023 17:51	4/5/2023 13:26	4/11/2023 14:35	4/15/2023 1:24	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	182
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: S1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-2.5	27827-023	4/5/2023 17:51	4/5/2023 13:32	4/11/2023 14:35	4/15/2023 2:06	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	191
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: S1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-2.5	27827-023	4/5/2023 17:51	4/5/2023 13:32	4/11/2023 14:35	4/15/2023 2:06	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	191
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: S1,

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Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-5	27827-024	4/5/2023 17:51	4/5/2023 13:42	4/11/2023 16:37	4/15/2023 6:24	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	126
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-5	27827-024	4/5/2023 17:51	4/5/2023 13:42	4/11/2023 16:37	4/15/2023 6:24	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	126
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-10	27827-025	4/5/2023 17:51	4/5/2023 13:44	4/11/2023 16:37	4/15/2023 7:08	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	158
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-10	27827-025	4/5/2023 17:51	4/5/2023 13:44	4/11/2023 16:37	4/15/2023 7:08	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	158
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-15	27827-026	4/5/2023 17:51	4/5/2023 13:46	4/11/2023 16:37	4/15/2023 7:51	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	164
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: S1,

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Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-15	27827-026	4/5/2023 17:51	4/5/2023 13:46	4/11/2023 16:37	4/15/2023 7:51	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	164
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: S1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B36-0.5	27827-027	4/5/2023 17:51	4/5/2023 14:20	4/11/2023 16:37	4/15/2023 8:34	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	18	Octacosane	112
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B36-0.5	27827-027	4/5/2023 17:51	4/5/2023 14:20	4/11/2023 16:37	4/15/2023 8:34	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	78	Octacosane	112
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B36-2.5	27827-028	4/5/2023 17:51	4/5/2023 14:23	4/11/2023 16:37	4/15/2023 9:17	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	118
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B36-2.5	27827-028	4/5/2023 17:51	4/5/2023 14:23	4/11/2023 16:37	4/15/2023 9:17	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	118
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

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Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-0.5	27827-031	4/5/2023 17:51	4/5/2023 15:15	4/11/2023 16:37	4/15/2023 9:58	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	122
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-0.5	27827-031	4/5/2023 17:51	4/5/2023 15:15	4/11/2023 16:37	4/15/2023 9:58	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	122
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-2.5	27827-032	4/5/2023 17:51	4/5/2023 15:20	4/11/2023 16:37	4/15/2023 10:50	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	161
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: S1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-2.5	27827-032	4/5/2023 17:51	4/5/2023 15:20	4/11/2023 16:37	4/15/2023 10:50	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	161
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: S1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-5	27827-033	4/5/2023 17:51	4/5/2023 15:28	4/11/2023 16:37	4/15/2023 11:33	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	180
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: S1,

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Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-5	27827-033	4/5/2023 17:51	4/5/2023 15:28	4/11/2023 16:37	4/15/2023 11:33	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	180
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: S1,

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-10	27827-034	4/5/2023 17:51	4/5/2023 15:30	4/11/2023 16:37	4/15/2023 14:22	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	154
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-10	27827-034	4/5/2023 17:51	4/5/2023 15:30	4/11/2023 16:37	4/15/2023 14:22	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	154
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-15	27827-035	4/5/2023 17:51	4/5/2023 15:35	4/11/2023 16:37	4/15/2023 15:05	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	156
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-15	27827-035	4/5/2023 17:51	4/5/2023 15:35	4/11/2023 16:37	4/15/2023 15:05	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	156
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

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Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBVV0411231			4/11/2023 14:35	4/13/2023 10:18	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	115
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBVV0411231			4/11/2023 14:35	4/13/2023 10:18	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	115
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBVV0411232			4/11/2023 16:37	4/15/2023 4:15	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	119
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBVV0411232			4/11/2023 16:37	4/15/2023 4:15	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	119
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

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Project Name: LAUSD 49th Street PEA
Project #: 211936010

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-2.5	27827-001	4/5/2023 17:51	4/5/2023 8:00	4/5/2023 8:00	4/6/2023 17:12	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	91

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-10	27827-003	4/5/2023 17:51	4/5/2023 8:30	4/5/2023 8:30	4/6/2023 17:33	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	86

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B35-2.5	27827-004	4/5/2023 17:51	4/5/2023 9:10	4/5/2023 9:10	4/6/2023 17:54	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	92

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B35-10	27827-006	4/5/2023 17:51	4/5/2023 9:25	4/5/2023 9:25	4/6/2023 18:15	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	93

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B46-0.5	27827-007	4/5/2023 17:51	4/5/2023 9:58	4/5/2023 9:58	4/10/2023 13:07	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	98

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B46-2.5	27827-008	4/5/2023 17:51	4/5/2023 10:00	4/5/2023 10:00	4/10/2023 13:28	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	91

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B46-5	27827-009	4/5/2023 17:51	4/5/2023 10:13	4/5/2023 10:13	4/10/2023 13:49	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	92

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B46-10	27827-010	4/5/2023 17:51	4/5/2023 10:15	4/5/2023 10:15	4/10/2023 14:10	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	93

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-0.5	27827-012	4/5/2023 17:51	4/5/2023 10:49	4/5/2023 10:49	4/10/2023 14:30	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	78

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-2.5	27827-013	4/5/2023 17:51	4/5/2023 10:52	4/5/2023 10:52	4/10/2023 14:51	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	80

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-5	27827-014	4/5/2023 17:51	4/5/2023 11:00	4/5/2023 11:00	4/10/2023 15:12	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	101

Dilution Factor: 1
Data Qualifiers: None
* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-10	27827-015	4/5/2023 17:51	4/5/2023 11:02	4/5/2023 11:02	4/10/2023 15:33	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	87

Dilution Factor: 1
Data Qualifiers: None
* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-15	27827-016	4/5/2023 17:51	4/5/2023 11:05	4/5/2023 11:05	4/10/2023 15:54	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	94

Dilution Factor: 1
Data Qualifiers: None
* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-0.5	27827-017	4/5/2023 17:51	4/5/2023 12:37	4/5/2023 12:37	4/10/2023 16:14	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	84

Dilution Factor: 1
Data Qualifiers: None
* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-2.5	27827-018	4/5/2023 17:51	4/5/2023 12:39	4/5/2023 12:39	4/10/2023 17:01	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	105

Dilution Factor: 1
Data Qualifiers: None
* Acceptable Recovery: 32-153 %

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Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-5	27827-019	4/5/2023 17:51	4/5/2023 12:53	4/5/2023 12:53	4/10/2023 17:22	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	99

Dilution Factor: 1
Data Qualifiers: None
* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-10	27827-020	4/5/2023 17:51	4/5/2023 12:55	4/5/2023 12:55	4/10/2023 17:42	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	69

Dilution Factor: 1
Data Qualifiers: None
* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-15	27827-021	4/5/2023 17:51	4/5/2023 12:58	4/5/2023 12:58	4/10/2023 18:03	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	102

Dilution Factor: 1
Data Qualifiers: None
* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-0.5	27827-022	4/5/2023 17:51	4/5/2023 13:26	4/5/2023 13:26	4/10/2023 18:23	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	96

Dilution Factor: 1
Data Qualifiers: None
* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-2.5	27827-023	4/5/2023 17:51	4/5/2023 13:32	4/5/2023 13:32	4/10/2023 18:44	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	86

Dilution Factor: 1
Data Qualifiers: None
* Acceptable Recovery: 32-153 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-5	27827-024	4/5/2023 17:51	4/5/2023 13:42	4/5/2023 13:42	4/10/2023 19:05	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	66

Dilution Factor: 1
Data Qualifiers: None
* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-10	27827-025	4/5/2023 17:51	4/5/2023 13:44	4/5/2023 13:44	4/10/2023 19:25	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	86

Dilution Factor: 1
Data Qualifiers: None
* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-15	27827-026	4/5/2023 17:51	4/5/2023 13:46	4/5/2023 13:46	4/10/2023 19:46	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	89

Dilution Factor: 1
Data Qualifiers: None
* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B36-0.5	27827-027	4/5/2023 17:51	4/5/2023 14:20	4/5/2023 14:20	4/10/2023 20:07	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	87

Dilution Factor: 1
Data Qualifiers: None
* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B36-2.5	27827-028	4/5/2023 17:51	4/5/2023 14:23	4/5/2023 14:23	4/11/2023 13:49	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	89

Dilution Factor: 1
Data Qualifiers: None
* Acceptable Recovery: 32-153 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-0.5	27827-031	4/5/2023 17:51	4/5/2023 15:15	4/5/2023 15:15	4/11/2023 14:10	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	92

Dilution Factor: 1
Data Qualifiers: None
* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-2.5	27827-032	4/5/2023 17:51	4/5/2023 15:20	4/5/2023 15:20	4/11/2023 14:31	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	85

Dilution Factor: 1
Data Qualifiers: None
* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-5	27827-033	4/5/2023 17:51	4/5/2023 15:28	4/5/2023 15:28	4/11/2023 14:52	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	62

Dilution Factor: 1
Data Qualifiers: None
* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-10	27827-034	4/5/2023 17:51	4/5/2023 15:30	4/5/2023 15:30	4/11/2023 15:13	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	88

Dilution Factor: 1
Data Qualifiers: None
* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-15	27827-035	4/5/2023 17:51	4/5/2023 15:35	4/5/2023 15:35	4/11/2023 15:34	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	75

Dilution Factor: 1
Data Qualifiers: None
* Acceptable Recovery: 32-153 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBLY0406231			4/6/2023 13:00	4/6/2023 13:28	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	90

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBLY0410231			4/10/2023 9:30	4/10/2023 10:37	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	89

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBLY0411231			4/11/2023 9:30	4/11/2023 10:44	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	93

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-2.5	27827-001	4/5/2023 17:51	4/5/2023 8:00	4/6/2023 11:15	4/7/2023 14:02	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<8.0
alpha-BHC	319-84-6	<20
beta-BHC	319-85-7	<20
gamma-BHC (Lindane)	58-89-9	<20
delta-BHC	319-86-8	<40
Chlordane	57-74-9	<120
4,4'-DDD	72-54-8	<40
4,4'-DDE	72-55-9	<20
4,4'-DDT	50-29-3	<40
Dieldrin	60-57-1	<8.0
Endosulfan I	959-98-8	<40
Endosulfan II	33213-65-9	<20
Endosulfan sulfate	1031-07-8	<40
Endrin	72-20-8	<40
Endrin aldehyde	7421-93-4	<40
Endrin ketone	53494-70-5	<20
Heptachlor	76-44-8	<8.0
Heptachlor epoxide	1024-57-3	<20
Methoxychlor	72-43-5	<40
Toxaphene	8001-35-2	<160

Surrogate:	% RC*
Decachlorobiphenyl	86

* Acceptable Recovery: 35-130 %

Dilution Factor: 4

Data Qualifiers: D1,

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-10	27827-003	4/5/2023 17:51	4/5/2023 8:30	4/6/2023 11:15	4/7/2023 13:47	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	91

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27827
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Project #: 211936010

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B35-2.5	27827-004	4/5/2023 17:51	4/5/2023 9:10	4/6/2023 11:15	4/7/2023 14:16	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	90

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B35-10	27827-006	4/5/2023 17:51	4/5/2023 9:25	4/6/2023 11:15	4/7/2023 14:31	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	84

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Project Name: LAUSD 49th Street PEA
Project #: 211936010

Organochlorine Pesticides (EPA 8081A)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBBL0406231			4/6/2023 11:15	4/7/2023 11:07	Soil

ANALYTE	CAS #	µg/kg
Aldrin	309-00-2	<2.0
alpha-BHC	319-84-6	<5.0
beta-BHC	319-85-7	<5.0
gamma-BHC (Lindane)	58-89-9	<5.0
delta-BHC	319-86-8	<10
Chlordane	57-74-9	<30
4,4'-DDD	72-54-8	<10
4,4'-DDE	72-55-9	<5.0
4,4'-DDT	50-29-3	<10
Dieldrin	60-57-1	<2.0
Endosulfan I	959-98-8	<10
Endosulfan II	33213-65-9	<5.0
Endosulfan sulfate	1031-07-8	<10
Endrin	72-20-8	<10
Endrin aldehyde	7421-93-4	<10
Endrin ketone	53494-70-5	<5.0
Heptachlor	76-44-8	<2.0
Heptachlor epoxide	1024-57-3	<5.0
Methoxychlor	72-43-5	<10
Toxaphene	8001-35-2	<40

Surrogate:	% RC*
Decachlorobiphenyl	83

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-0.5	27827-012	4/5/2023 17:51	4/5/2023 10:49	4/6/2023 15:25	4/7/2023 18:24	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	79

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-2.5	27827-013	4/5/2023 17:51	4/5/2023 10:52	4/6/2023 15:25	4/7/2023 18:39	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	84

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-5	27827-014	4/5/2023 17:51	4/5/2023 11:00	4/6/2023 15:25	4/7/2023 18:10	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	80

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-10	27827-015	4/5/2023 17:51	4/5/2023 11:02	4/6/2023 15:25	4/7/2023 18:53	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate: % RC*
Decachlorobiphenyl 83
* Acceptable Recovery: 35-130 %
Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-15	27827-016	4/5/2023 17:51	4/5/2023 11:05	4/6/2023 15:25	4/7/2023 19:08	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate: % RC*
Decachlorobiphenyl 86
* Acceptable Recovery: 35-130 %
Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-0.5	27827-017	4/5/2023 17:51	4/5/2023 12:37	4/6/2023 15:25	4/7/2023 19:23	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate: % RC*
Decachlorobiphenyl 85
* Acceptable Recovery: 35-130 %
Dilution Factor: 1
Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-2.5	27827-018	4/5/2023 17:51	4/5/2023 12:39	4/6/2023 15:25	4/7/2023 19:37	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	84

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

B38-5	27827-019	4/5/2023 17:51	4/5/2023 12:53	4/6/2023 15:25	4/7/2023 19:52	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	83

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

B38-10	27827-020	4/5/2023 17:51	4/5/2023 12:55	4/6/2023 15:25	4/7/2023 20:06	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	126

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-15	27827-021	4/5/2023 17:51	4/5/2023 12:58	4/6/2023 15:25	4/7/2023 20:21	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	50

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-0.5	27827-022	4/5/2023 17:51	4/5/2023 13:26	4/6/2023 15:25	4/7/2023 20:36	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	90

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-2.5	27827-023	4/5/2023 17:51	4/5/2023 13:32	4/6/2023 15:25	4/7/2023 20:50	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	83

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-5	27827-024	4/5/2023 17:51	4/5/2023 13:42	4/6/2023 15:25	4/7/2023 21:05	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	85

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-10	27827-025	4/5/2023 17:51	4/5/2023 13:44	4/6/2023 15:25	4/7/2023 21:20	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	90

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-15	27827-026	4/5/2023 17:51	4/5/2023 13:46	4/6/2023 15:25	4/7/2023 21:34	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate:	% RC*
Decachlorobiphenyl	89

* Acceptable Recovery: 35-130 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-0.5	27827-031	4/5/2023 17:51	4/5/2023 15:15	4/6/2023 15:25	4/7/2023 22:18	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate: % RC*
Decachlorobiphenyl 75
* Acceptable Recovery: 35-130 %
Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-2.5	27827-032	4/5/2023 17:51	4/5/2023 15:20	4/6/2023 15:25	4/7/2023 22:32	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate: % RC*
Decachlorobiphenyl 90
* Acceptable Recovery: 35-130 %
Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-5	27827-033	4/5/2023 17:51	4/5/2023 15:28	4/6/2023 15:25	4/7/2023 22:47	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate: % RC*
Decachlorobiphenyl 77
* Acceptable Recovery: 35-130 %
Dilution Factor: 1
Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polychlorinated Biphenyl's (EPA 8082)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-10	27827-034	4/5/2023 17:51	4/5/2023 15:30	4/6/2023 15:25	4/7/2023 23:01	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate: % RC*
Decachlorobiphenyl 92
* Acceptable Recovery: 35-130 %
Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-15	27827-035	4/5/2023 17:51	4/5/2023 15:35	4/6/2023 15:25	4/7/2023 23:16	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate: % RC*
Decachlorobiphenyl 81
* Acceptable Recovery: 35-130 %
Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBVV0406231			4/6/2023 15:25	4/7/2023 16:57	Soil

ANALYTE	CAS #	µg/kg
PCB-1016	12674-11-2	<25
PCB-1221	11104-28-2	<25
PCB-1232	11141-16-5	<25
PCB-1242	53469-21-9	<25
PCB-1248	12672-29-6	<25
PCB-1254	11097-69-1	<25
PCB-1260	11096-82-5	<25

Surrogate: % RC*
Decachlorobiphenyl 87
* Acceptable Recovery: 35-130 %
Dilution Factor: 1
Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-2.5	27827-001	4/5/2023 17:51	4/5/2023 8:00	4/5/2023 8:00	4/10/2023 20:23	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	90	65-130 %
Toluene-d8:	85	58-130 %
4-Bromofluorobenzene:	82	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B34-10	27827-003	4/5/2023 17:51	4/5/2023 8:30	4/5/2023 8:30	4/10/2023 20:43	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	93	65-130 %
Toluene-d8:	90	58-130 %
4-Bromofluorobenzene:	91	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B35-2.5	27827-004	4/5/2023 17:51	4/5/2023 9:10	4/5/2023 9:10	4/10/2023 21:04	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	93	65-130 %
Toluene-d8:	85	58-130 %
4-Bromofluorobenzene:	82	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B35-10	27827-006	4/5/2023 17:51	4/5/2023 9:25	4/5/2023 9:25	4/10/2023 21:25	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	90	65-130 %
Toluene-d8:	85	58-130 %
4-Bromofluorobenzene:	85	40-135 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B46-2.5	27827-008	4/5/2023 17:51	4/5/2023 10:00	4/5/2023 10:00	4/10/2023 21:45	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	92	65-130 %
Toluene-d8:	86	58-130 %
4-Bromofluorobenzene:	85	40-135 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Dennis Fee
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Irvine, CA, 92618

Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B46-5	27827-009	4/5/2023 17:51	4/5/2023 10:13	4/5/2023 10:13	4/10/2023 22:05	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	92	65-130 %
Toluene-d8:	82	58-130 %
4-Bromofluorobenzene:	76	40-135 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Dennis Fee
Ninyo & Moore
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Irvine, CA, 92618

Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B46-10	27827-010	4/5/2023 17:51	4/5/2023 10:15	4/5/2023 10:15	4/11/2023 17:41	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	95	65-130 %
Toluene-d8:	84	58-130 %
4-Bromofluorobenzene:	78	40-135 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Dennis Fee
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Irvine, CA, 92618

Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-2.5	27827-013	4/5/2023 17:51	4/5/2023 10:52	4/5/2023 10:52	4/11/2023 18:01	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	95	65-130 %
Toluene-d8:	87	58-130 %
4-Bromofluorobenzene:	84	40-135 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-5	27827-014	4/5/2023 17:51	4/5/2023 11:00	4/5/2023 11:00	4/11/2023 18:21	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	94	65-130 %
Toluene-d8:	85	58-130 %
4-Bromofluorobenzene:	81	40-135 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Dennis Fee
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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-10	27827-015	4/5/2023 17:51	4/5/2023 11:02	4/5/2023 11:02	4/11/2023 18:41	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	92	65-130 %
Toluene-d8:	85	58-130 %
4-Bromofluorobenzene:	82	40-135 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Dennis Fee
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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B39-15	27827-016	4/5/2023 17:51	4/5/2023 11:05	4/5/2023 11:05	4/11/2023 19:01	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	96	65-130 %
Toluene-d8:	88	58-130 %
4-Bromofluorobenzene:	81	40-135 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Dennis Fee
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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-2.5	27827-018	4/5/2023 17:51	4/5/2023 12:39	4/5/2023 12:39	4/11/2023 19:21	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	96	65-130 %
Toluene-d8:	85	58-130 %
4-Bromofluorobenzene:	80	40-135 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Dennis Fee
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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-5	27827-019	4/5/2023 17:51	4/5/2023 12:53	4/5/2023 12:53	4/11/2023 19:42	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	98	65-130 %
Toluene-d8:	91	58-130 %
4-Bromofluorobenzene:	87	40-135 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Dennis Fee
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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-10	27827-020	4/5/2023 17:51	4/5/2023 12:55	4/5/2023 12:55	4/11/2023 20:03	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	93	65-130 %
Toluene-d8:	84	58-130 %
4-Bromofluorobenzene:	79	40-135 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Dennis Fee
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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B38-15	27827-021	4/5/2023 17:51	4/5/2023 12:58	4/5/2023 12:58	4/11/2023 20:23	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	96	65-130 %
Toluene-d8:	88	58-130 %
4-Bromofluorobenzene:	86	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-2.5	27827-023	4/5/2023 17:51	4/5/2023 13:32	4/5/2023 13:32	4/11/2023 20:42	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	99	65-130 %
Toluene-d8:	88	58-130 %
4-Bromofluorobenzene:	84	40-135 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Dennis Fee
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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-5	27827-024	4/5/2023 17:51	4/5/2023 13:42	4/5/2023 13:42	4/11/2023 21:02	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	93	65-130 %
Toluene-d8:	82	58-130 %
4-Bromofluorobenzene:	74	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-10	27827-025	4/5/2023 17:51	4/5/2023 13:44	4/5/2023 13:44	4/11/2023 21:21	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	92	65-130 %
Toluene-d8:	82	58-130 %
4-Bromofluorobenzene:	77	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B37-15	27827-026	4/5/2023 17:51	4/5/2023 13:46	4/5/2023 13:46	4/11/2023 21:41	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	93	65-130 %
Toluene-d8:	83	58-130 %
4-Bromofluorobenzene:	76	40-135 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Dennis Fee
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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B36-0.5	27827-027	4/5/2023 17:51	4/5/2023 14:20	4/5/2023 14:20	4/11/2023 22:01	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	95	65-130 %
Toluene-d8:	86	58-130 %
4-Bromofluorobenzene:	83	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B36-2.5	27827-028	4/5/2023 17:51	4/5/2023 14:23	4/5/2023 14:23	4/11/2023 22:21	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	94	65-130 %
Toluene-d8:	83	58-130 %
4-Bromofluorobenzene:	73	40-135 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Dennis Fee
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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-2.5	27827-032	4/5/2023 17:51	4/5/2023 15:20	4/5/2023 15:20	4/11/2023 22:41	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	96	65-130 %
Toluene-d8:	84	58-130 %
4-Bromofluorobenzene:	79	40-135 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Dennis Fee
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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-5	27827-033	4/5/2023 17:51	4/5/2023 15:28	4/5/2023 15:28	4/11/2023 23:02	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	94	65-130 %
Toluene-d8:	84	58-130 %
4-Bromofluorobenzene:	75	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-10	27827-034	4/5/2023 17:51	4/5/2023 15:30	4/5/2023 15:30	4/11/2023 23:23	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	95	65-130 %
Toluene-d8:	85	58-130 %
4-Bromofluorobenzene:	81	40-135 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Dennis Fee
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Irvine, CA, 92618

Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B43-15	27827-035	4/5/2023 17:51	4/5/2023 15:35	4/5/2023 15:35	4/11/2023 11:43	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	94	65-130 %
Toluene-d8:	84	58-130 %
4-Bromofluorobenzene:	75	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT0407231			4/7/2023 10:30	4/10/2023 20:04	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	91	65-130 %
Toluene-d8:	88	58-130 %
4-Bromofluorobenzene:	87	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT0410231			4/10/2023 10:00	4/11/2023 15:56	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	96	65-130 %
Toluene-d8:	89	58-130 %
4-Bromofluorobenzene:	86	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polynuclear Aromatic Hydrocarbons by SIM (EPA 8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B36-0.5	27827-027	4/5/2023 17:51	4/5/2023 14:20	4/6/2023 11:15	4/13/2023 10:28	Soil

ANALYTE	CAS #	µg/kg
Acenaphthene:	83-32-9	<50
Acenaphthylene:	208-96-8	<50
Anthracene:	120-12-7	<50
Benz(a)anthracene:	56-55-3	<50
Benzo(a)pyrene:	50-32-8	<50
Benzo(b)fluoranthene:	205-99-2	<50
Benzo(k)fluoranthene:	207-08-9	<50
Benzo(g,h,i)perylene:	191-24-2	<50
Chrysene:	218-01-9	<50
Dibenz(a,h)anthracene:	53-70-3	<60
Fluoranthene:	206-44-0	<65
Pyrene:	129-00-0	<65
Fluorene:	86-73-7	<50
Phenanthrene:	85-01-8	<50
Indeno(1,2,3-cd)pyrene:	193-39-5	<50
Naphthalene:	91-20-3	<50

Surrogate:	% RC*
Nitrobenzene-d5	82

* Acceptable Recovery: 13-182 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
B36-2.5	27827-028	4/5/2023 17:51	4/5/2023 14:23	4/6/2023 11:15	4/13/2023 11:00	Soil

ANALYTE	CAS #	µg/kg
Acenaphthene:	83-32-9	<50
Acenaphthylene:	208-96-8	<50
Anthracene:	120-12-7	<50
Benz(a)anthracene:	56-55-3	<50
Benzo(a)pyrene:	50-32-8	<50
Benzo(b)fluoranthene:	205-99-2	<50
Benzo(k)fluoranthene:	207-08-9	<50
Benzo(g,h,i)perylene:	191-24-2	<50
Chrysene:	218-01-9	<50
Dibenz(a,h)anthracene:	53-70-3	<60
Fluoranthene:	206-44-0	<65
Pyrene:	129-00-0	<65
Fluorene:	86-73-7	<50
Phenanthrene:	85-01-8	<50
Indeno(1,2,3-cd)pyrene:	193-39-5	<50
Naphthalene:	91-20-3	<50

Surrogate:	% RC*
Nitrobenzene-d5	77

* Acceptable Recovery: 13-182 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Polynuclear Aromatic Hydrocarbons by SIM (EPA 8270C)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBGS0405231			4/5/2023 12:35	4/5/2023 16:37	Soil

ANALYTE	CAS #	µg/kg
Acenaphthene:	83-32-9	<50
Acenaphthylene:	208-96-8	<50
Anthracene:	120-12-7	<50
Benz(a)anthracene:	56-55-3	<50
Benzo(a)pyrene:	50-32-8	<50
Benzo(b)fluoranthene:	205-99-2	<50
Benzo(k)fluoranthene:	207-08-9	<50
Benzo(g,h,i)perylene:	191-24-2	<50
Chrysene:	218-01-9	<50
Dibenz(a,h)anthracene:	53-70-3	<60
Fluoranthene:	206-44-0	<65
Pyrene:	129-00-0	<65
Fluorene:	86-73-7	<50
Phenanthrene:	85-01-8	<50
Indeno(1,2,3-cd)pyrene:	193-39-5	<50
Naphthalene:	91-20-3	<50

Surrogate:	% RC*
Nitrobenzene-d5	61

* Acceptable Recovery: 13-182 %

Dilution Factor: 1

Data Qualifiers: None

Mr. Dennis Fee
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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B34-2.5	27827-001	4/5/2023 17:51	4/5/2023 8:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 12:49	--	1
Arsenic	6010B	2.4	mg/kg	04/06/23 12:00	04/10/23 12:49	--	1
Barium	6010B	190	mg/kg	04/06/23 12:00	04/10/23 12:49	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 12:49	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 12:49	--	1
Chromium	6010B	12	mg/kg	04/06/23 12:00	04/10/23 12:49	--	1
Cobalt	6010B	7.3	mg/kg	04/06/23 12:00	04/10/23 12:49	--	1
Copper	6010B	17	mg/kg	04/06/23 12:00	04/10/23 12:49	--	1
Lead	6010B	230	mg/kg	04/06/23 12:00	04/10/23 12:49	--	1
Mercury	7471A	0.11	mg/kg	04/06/23 16:00	04/11/23 10:20	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 12:49	--	1
Nickel	6010B	8.0	mg/kg	04/06/23 12:00	04/10/23 12:49	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 12:49	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 12:49	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 12:49	--	1
Vanadium	6010B	27	mg/kg	04/06/23 12:00	04/10/23 12:49	--	1
Zinc	6010B	210	mg/kg	04/06/23 12:00	04/10/23 12:49	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B34-10	27827-003	4/5/2023 17:51	4/5/2023 8:30	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:04	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:04	--	1
Barium	6010B	71	mg/kg	04/06/23 12:00	04/10/23 13:04	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:04	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:04	--	1
Chromium	6010B	10	mg/kg	04/06/23 12:00	04/10/23 13:04	--	1
Cobalt	6010B	7.7	mg/kg	04/06/23 12:00	04/10/23 13:04	--	1
Copper	6010B	11	mg/kg	04/06/23 12:00	04/10/23 13:04	--	1
Lead	6010B	3.3	mg/kg	04/06/23 12:00	04/10/23 13:04	--	1
Mercury	7471A	<0.10	mg/kg	04/06/23 16:00	04/11/23 10:25	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 13:04	--	1
Nickel	6010B	6.9	mg/kg	04/06/23 12:00	04/10/23 13:04	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 13:04	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:04	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:04	--	1
Vanadium	6010B	28	mg/kg	04/06/23 12:00	04/10/23 13:04	--	1
Zinc	6010B	35	mg/kg	04/06/23 12:00	04/10/23 13:04	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B35-2.5	27827-004	4/5/2023 17:51	4/5/2023 9:10	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:07	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:07	--	1
Barium	6010B	85	mg/kg	04/06/23 12:00	04/10/23 13:07	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:07	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:07	--	1
Chromium	6010B	13	mg/kg	04/06/23 12:00	04/10/23 13:07	--	1
Cobalt	6010B	8.3	mg/kg	04/06/23 12:00	04/10/23 13:07	--	1
Copper	6010B	12	mg/kg	04/06/23 12:00	04/10/23 13:07	--	1
Lead	6010B	3.4	mg/kg	04/06/23 12:00	04/10/23 13:07	--	1
Mercury	7471A	0.11	mg/kg	04/06/23 16:00	04/11/23 10:27	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 13:07	--	1
Nickel	6010B	8.5	mg/kg	04/06/23 12:00	04/10/23 13:07	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 13:07	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:07	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:07	--	1
Vanadium	6010B	32	mg/kg	04/06/23 12:00	04/10/23 13:07	--	1
Zinc	6010B	45	mg/kg	04/06/23 12:00	04/10/23 13:07	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B35-10	27827-006	4/5/2023 17:51	4/5/2023 9:25	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:16	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:16	--	1
Barium	6010B	71	mg/kg	04/06/23 12:00	04/10/23 13:16	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:16	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:16	--	1
Chromium	6010B	10	mg/kg	04/06/23 12:00	04/10/23 13:16	--	1
Cobalt	6010B	7.0	mg/kg	04/06/23 12:00	04/10/23 13:16	--	1
Copper	6010B	11	mg/kg	04/06/23 12:00	04/10/23 13:16	--	1
Lead	6010B	2.4	mg/kg	04/06/23 12:00	04/10/23 13:16	--	1
Mercury	7471A	0.18	mg/kg	04/06/23 16:00	04/11/23 10:29	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 13:16	--	1
Nickel	6010B	6.4	mg/kg	04/06/23 12:00	04/10/23 13:16	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 13:16	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:16	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:16	--	1
Vanadium	6010B	26	mg/kg	04/06/23 12:00	04/10/23 13:16	--	1
Zinc	6010B	35	mg/kg	04/06/23 12:00	04/10/23 13:16	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B46-0.5	27827-007	4/5/2023 17:51	4/5/2023 9:58	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:19	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:19	--	1
Barium	6010B	100	mg/kg	04/06/23 12:00	04/10/23 13:19	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:19	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:19	--	1
Chromium	6010B	15	mg/kg	04/06/23 12:00	04/10/23 13:19	--	1
Cobalt	6010B	8.9	mg/kg	04/06/23 12:00	04/10/23 13:19	--	1
Copper	6010B	14	mg/kg	04/06/23 12:00	04/10/23 13:19	--	1
Lead	6010B	16	mg/kg	04/06/23 12:00	04/10/23 13:19	--	1
Mercury	7471A	0.45	mg/kg	04/06/23 16:00	04/11/23 10:30	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 13:19	--	1
Nickel	6010B	9.3	mg/kg	04/06/23 12:00	04/10/23 13:19	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 13:19	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:19	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:19	--	1
Vanadium	6010B	36	mg/kg	04/06/23 12:00	04/10/23 13:19	--	1
Zinc	6010B	71	mg/kg	04/06/23 12:00	04/10/23 13:19	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B46-2.5	27827-008	4/5/2023 17:51	4/5/2023 10:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:22	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:22	--	1
Barium	6010B	95	mg/kg	04/06/23 12:00	04/10/23 13:22	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:22	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:22	--	1
Chromium	6010B	15	mg/kg	04/06/23 12:00	04/10/23 13:22	--	1
Cobalt	6010B	9.5	mg/kg	04/06/23 12:00	04/10/23 13:22	--	1
Copper	6010B	13	mg/kg	04/06/23 12:00	04/10/23 13:22	--	1
Lead	6010B	8.6	mg/kg	04/06/23 12:00	04/10/23 13:22	--	1
Mercury	7471A	0.14	mg/kg	04/06/23 16:00	04/11/23 10:32	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 13:22	--	1
Nickel	6010B	9.4	mg/kg	04/06/23 12:00	04/10/23 13:22	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 13:22	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:22	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:22	--	1
Vanadium	6010B	38	mg/kg	04/06/23 12:00	04/10/23 13:22	--	1
Zinc	6010B	52	mg/kg	04/06/23 12:00	04/10/23 13:22	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B46-5	27827-009	4/5/2023 17:51	4/5/2023 10:13	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:25	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:25	--	1
Barium	6010B	88	mg/kg	04/06/23 12:00	04/10/23 13:25	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:25	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:25	--	1
Chromium	6010B	14	mg/kg	04/06/23 12:00	04/10/23 13:25	--	1
Cobalt	6010B	8.8	mg/kg	04/06/23 12:00	04/10/23 13:25	--	1
Copper	6010B	13	mg/kg	04/06/23 12:00	04/10/23 13:25	--	1
Lead	6010B	3.9	mg/kg	04/06/23 12:00	04/10/23 13:25	--	1
Mercury	7471A	0.12	mg/kg	04/06/23 16:00	04/11/23 10:34	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 13:25	--	1
Nickel	6010B	8.6	mg/kg	04/06/23 12:00	04/10/23 13:25	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 13:25	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:25	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:25	--	1
Vanadium	6010B	34	mg/kg	04/06/23 12:00	04/10/23 13:25	--	1
Zinc	6010B	44	mg/kg	04/06/23 12:00	04/10/23 13:25	--	1

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Lab Reference # NAM 27827
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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B46-10	27827-010	4/5/2023 17:51	4/5/2023 10:15	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:28	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:28	--	1
Barium	6010B	84	mg/kg	04/06/23 12:00	04/10/23 13:28	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:28	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:28	--	1
Chromium	6010B	12	mg/kg	04/06/23 12:00	04/10/23 13:28	--	1
Cobalt	6010B	8.6	mg/kg	04/06/23 12:00	04/10/23 13:28	--	1
Copper	6010B	12	mg/kg	04/06/23 12:00	04/10/23 13:28	--	1
Lead	6010B	3.1	mg/kg	04/06/23 12:00	04/10/23 13:28	--	1
Mercury	7471A	<0.10	mg/kg	04/06/23 16:00	04/11/23 10:36	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 13:28	--	1
Nickel	6010B	8.3	mg/kg	04/06/23 12:00	04/10/23 13:28	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 13:28	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:28	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:28	--	1
Vanadium	6010B	32	mg/kg	04/06/23 12:00	04/10/23 13:28	--	1
Zinc	6010B	43	mg/kg	04/06/23 12:00	04/10/23 13:28	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B39-0.5	27827-012	4/5/2023 17:51	4/5/2023 10:49	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:31	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:31	--	1
Barium	6010B	100	mg/kg	04/06/23 12:00	04/10/23 13:31	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:31	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:31	--	1
Chromium	6010B	15	mg/kg	04/06/23 12:00	04/10/23 13:31	--	1
Cobalt	6010B	9.6	mg/kg	04/06/23 12:00	04/10/23 13:31	--	1
Copper	6010B	15	mg/kg	04/06/23 12:00	04/10/23 13:31	--	1
Lead	6010B	16	mg/kg	04/06/23 12:00	04/10/23 13:31	--	1
Mercury	7471A	0.11	mg/kg	04/06/23 16:00	04/11/23 10:37	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 13:31	--	1
Nickel	6010B	9.9	mg/kg	04/06/23 12:00	04/10/23 13:31	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 13:31	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:31	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:31	--	1
Vanadium	6010B	39	mg/kg	04/06/23 12:00	04/10/23 13:31	--	1
Zinc	6010B	58	mg/kg	04/06/23 12:00	04/10/23 13:31	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B39-2.5	27827-013	4/5/2023 17:51	4/5/2023 10:52	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:34	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:34	--	1
Barium	6010B	93	mg/kg	04/06/23 12:00	04/10/23 13:34	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:34	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:34	--	1
Chromium	6010B	14	mg/kg	04/06/23 12:00	04/10/23 13:34	--	1
Cobalt	6010B	7.8	mg/kg	04/06/23 12:00	04/10/23 13:34	--	1
Copper	6010B	11	mg/kg	04/06/23 12:00	04/10/23 13:34	--	1
Lead	6010B	6.9	mg/kg	04/06/23 12:00	04/10/23 13:34	--	1
Mercury	7471A	0.19	mg/kg	04/06/23 16:00	04/11/23 10:39	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 13:34	--	1
Nickel	6010B	7.9	mg/kg	04/06/23 12:00	04/10/23 13:34	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 13:34	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:34	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:34	--	1
Vanadium	6010B	32	mg/kg	04/06/23 12:00	04/10/23 13:34	--	1
Zinc	6010B	46	mg/kg	04/06/23 12:00	04/10/23 13:34	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B39-5	27827-014	4/5/2023 17:51	4/5/2023 11:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:38	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:38	--	1
Barium	6010B	150	mg/kg	04/06/23 12:00	04/10/23 13:38	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:38	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:38	--	1
Chromium	6010B	16	mg/kg	04/06/23 12:00	04/10/23 13:38	--	1
Cobalt	6010B	9.6	mg/kg	04/06/23 12:00	04/10/23 13:38	--	1
Copper	6010B	14	mg/kg	04/06/23 12:00	04/10/23 13:38	--	1
Lead	6010B	13	mg/kg	04/06/23 12:00	04/10/23 13:38	--	1
Mercury	7471A	0.17	mg/kg	04/06/23 16:00	04/11/23 10:41	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 13:38	--	1
Nickel	6010B	10	mg/kg	04/06/23 12:00	04/10/23 13:38	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 13:38	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:38	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:38	--	1
Vanadium	6010B	38	mg/kg	04/06/23 12:00	04/10/23 13:38	--	1
Zinc	6010B	62	mg/kg	04/06/23 12:00	04/10/23 13:38	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B39-10	27827-015	4/5/2023 17:51	4/5/2023 11:02	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:41	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:41	--	1
Barium	6010B	82	mg/kg	04/06/23 12:00	04/10/23 13:41	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:41	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:41	--	1
Chromium	6010B	9.7	mg/kg	04/06/23 12:00	04/10/23 13:41	--	1
Cobalt	6010B	7.3	mg/kg	04/06/23 12:00	04/10/23 13:41	--	1
Copper	6010B	9.3	mg/kg	04/06/23 12:00	04/10/23 13:41	--	1
Lead	6010B	2.1	mg/kg	04/06/23 12:00	04/10/23 13:41	--	1
Mercury	7471A	0.18	mg/kg	04/06/23 16:00	04/11/23 10:46	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 13:41	--	1
Nickel	6010B	6.4	mg/kg	04/06/23 12:00	04/10/23 13:41	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 13:41	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:41	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:41	--	1
Vanadium	6010B	26	mg/kg	04/06/23 12:00	04/10/23 13:41	--	1
Zinc	6010B	40	mg/kg	04/06/23 12:00	04/10/23 13:41	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B39-15	27827-016	4/5/2023 17:51	4/5/2023 11:05	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:44	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:44	--	1
Barium	6010B	49	mg/kg	04/06/23 12:00	04/10/23 13:44	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:44	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:44	--	1
Chromium	6010B	5.6	mg/kg	04/06/23 12:00	04/10/23 13:44	--	1
Cobalt	6010B	4.9	mg/kg	04/06/23 12:00	04/10/23 13:44	--	1
Copper	6010B	<5.0	mg/kg	04/06/23 12:00	04/10/23 13:44	--	1
Lead	6010B	1.4	mg/kg	04/06/23 12:00	04/10/23 13:44	--	1
Mercury	7471A	<0.10	mg/kg	04/06/23 16:00	04/11/23 10:49	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 13:44	--	1
Nickel	6010B	4.1	mg/kg	04/06/23 12:00	04/10/23 13:44	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 13:44	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:44	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:44	--	1
Vanadium	6010B	18	mg/kg	04/06/23 12:00	04/10/23 13:44	--	1
Zinc	6010B	260	mg/kg	04/06/23 12:00	04/10/23 13:44	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B38-0.5	27827-017	4/5/2023 17:51	4/5/2023 12:37	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:53	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:53	--	1
Barium	6010B	110	mg/kg	04/06/23 12:00	04/10/23 13:53	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:53	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:53	--	1
Chromium	6010B	15	mg/kg	04/06/23 12:00	04/10/23 13:53	--	1
Cobalt	6010B	10	mg/kg	04/06/23 12:00	04/10/23 13:53	--	1
Copper	6010B	15	mg/kg	04/06/23 12:00	04/10/23 13:53	--	1
Lead	6010B	8.4	mg/kg	04/06/23 12:00	04/10/23 13:53	--	1
Mercury	7471A	0.15	mg/kg	04/06/23 16:00	04/11/23 10:51	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 13:53	--	1
Nickel	6010B	10	mg/kg	04/06/23 12:00	04/10/23 13:53	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 13:53	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:53	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:53	--	1
Vanadium	6010B	39	mg/kg	04/06/23 12:00	04/10/23 13:53	--	1
Zinc	6010B	53	mg/kg	04/06/23 12:00	04/10/23 13:53	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B38-2.5	27827-018	4/5/2023 17:51	4/5/2023 12:39	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:56	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:56	--	1
Barium	6010B	100	mg/kg	04/06/23 12:00	04/10/23 13:56	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:56	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:56	--	1
Chromium	6010B	15	mg/kg	04/06/23 12:00	04/10/23 13:56	--	1
Cobalt	6010B	10	mg/kg	04/06/23 12:00	04/10/23 13:56	--	1
Copper	6010B	14	mg/kg	04/06/23 12:00	04/10/23 13:56	--	1
Lead	6010B	6.9	mg/kg	04/06/23 12:00	04/10/23 13:56	--	1
Mercury	7471A	0.18	mg/kg	04/06/23 16:00	04/11/23 10:53	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 13:56	--	1
Nickel	6010B	9.7	mg/kg	04/06/23 12:00	04/10/23 13:56	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 13:56	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:56	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:56	--	1
Vanadium	6010B	40	mg/kg	04/06/23 12:00	04/10/23 13:56	--	1
Zinc	6010B	51	mg/kg	04/06/23 12:00	04/10/23 13:56	--	1

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Lab Reference # NAM 27827
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Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B38-5	27827-019	4/5/2023 17:51	4/5/2023 12:53	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:58	--	1
Arsenic	6010B	2.5	mg/kg	04/06/23 12:00	04/10/23 13:58	--	1
Barium	6010B	150	mg/kg	04/06/23 12:00	04/10/23 13:58	--	1
Beryllium	6010B	0.71	mg/kg	04/06/23 12:00	04/10/23 13:58	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:58	--	1
Chromium	6010B	23	mg/kg	04/06/23 12:00	04/10/23 13:58	--	1
Cobalt	6010B	14	mg/kg	04/06/23 12:00	04/10/23 13:58	--	1
Copper	6010B	25	mg/kg	04/06/23 12:00	04/10/23 13:58	--	1
Lead	6010B	6.8	mg/kg	04/06/23 12:00	04/10/23 13:58	--	1
Mercury	7471A	0.49	mg/kg	04/06/23 16:00	04/11/23 10:54	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 13:58	--	1
Nickel	6010B	16	mg/kg	04/06/23 12:00	04/10/23 13:58	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 13:58	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 13:58	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 13:58	--	1
Vanadium	6010B	54	mg/kg	04/06/23 12:00	04/10/23 13:58	--	1
Zinc	6010B	67	mg/kg	04/06/23 12:00	04/10/23 13:58	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B38-10	27827-020	4/5/2023 17:51	4/5/2023 12:55	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:01	--	1
Arsenic	6010B	2.2	mg/kg	04/06/23 12:00	04/10/23 14:01	--	1
Barium	6010B	85	mg/kg	04/06/23 12:00	04/10/23 14:01	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:01	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:01	--	1
Chromium	6010B	12	mg/kg	04/06/23 12:00	04/10/23 14:01	--	1
Cobalt	6010B	8.1	mg/kg	04/06/23 12:00	04/10/23 14:01	--	1
Copper	6010B	11	mg/kg	04/06/23 12:00	04/10/23 14:01	--	1
Lead	6010B	2.6	mg/kg	04/06/23 12:00	04/10/23 14:01	--	1
Mercury	7471A	0.13	mg/kg	04/06/23 16:30	04/11/23 11:02	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 14:01	--	1
Nickel	6010B	7.5	mg/kg	04/06/23 12:00	04/10/23 14:01	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 14:01	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:01	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:01	--	1
Vanadium	6010B	30	mg/kg	04/06/23 12:00	04/10/23 14:01	--	1
Zinc	6010B	40	mg/kg	04/06/23 12:00	04/10/23 14:01	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B38-15	27827-021	4/5/2023 17:51	4/5/2023 12:58	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:04	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:04	--	1
Barium	6010B	82	mg/kg	04/06/23 12:00	04/10/23 14:04	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:04	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:04	--	1
Chromium	6010B	14	mg/kg	04/06/23 12:00	04/10/23 14:04	--	1
Cobalt	6010B	7.6	mg/kg	04/06/23 12:00	04/10/23 14:04	--	1
Copper	6010B	13	mg/kg	04/06/23 12:00	04/10/23 14:04	--	1
Lead	6010B	5.7	mg/kg	04/06/23 12:00	04/10/23 14:04	--	1
Mercury	7471A	0.19	mg/kg	04/06/23 16:30	04/11/23 11:10	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 14:04	--	1
Nickel	6010B	11	mg/kg	04/06/23 12:00	04/10/23 14:04	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 14:04	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:04	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:04	--	1
Vanadium	6010B	33	mg/kg	04/06/23 12:00	04/10/23 14:04	--	1
Zinc	6010B	42	mg/kg	04/06/23 12:00	04/10/23 14:04	--	1

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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B37-0.5	27827-022	4/5/2023 17:51	4/5/2023 13:26	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:07	--	1
Arsenic	6010B	2.3	mg/kg	04/06/23 12:00	04/10/23 14:07	--	1
Barium	6010B	100	mg/kg	04/06/23 12:00	04/10/23 14:07	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:07	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:07	--	1
Chromium	6010B	14	mg/kg	04/06/23 12:00	04/10/23 14:07	--	1
Cobalt	6010B	9.4	mg/kg	04/06/23 12:00	04/10/23 14:07	--	1
Copper	6010B	13	mg/kg	04/06/23 12:00	04/10/23 14:07	--	1
Lead	6010B	13	mg/kg	04/06/23 12:00	04/10/23 14:07	--	1
Mercury	7471A	0.14	mg/kg	04/06/23 16:30	04/11/23 11:12	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 14:07	--	1
Nickel	6010B	9.2	mg/kg	04/06/23 12:00	04/10/23 14:07	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 14:07	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:07	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:07	--	1
Vanadium	6010B	36	mg/kg	04/06/23 12:00	04/10/23 14:07	--	1
Zinc	6010B	62	mg/kg	04/06/23 12:00	04/10/23 14:07	--	1

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Lab Reference # NAM 27827
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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B37-2.5	27827-023	4/5/2023 17:51	4/5/2023 13:32	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:11	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:11	--	1
Barium	6010B	120	mg/kg	04/06/23 12:00	04/10/23 14:11	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:11	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:11	--	1
Chromium	6010B	18	mg/kg	04/06/23 12:00	04/10/23 14:11	--	1
Cobalt	6010B	12	mg/kg	04/06/23 12:00	04/10/23 14:11	--	1
Copper	6010B	16	mg/kg	04/06/23 12:00	04/10/23 14:11	--	1
Lead	6010B	4.1	mg/kg	04/06/23 12:00	04/10/23 14:11	--	1
Mercury	7471A	0.13	mg/kg	04/06/23 16:30	04/11/23 11:14	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 14:11	--	1
Nickel	6010B	12	mg/kg	04/06/23 12:00	04/10/23 14:11	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 14:11	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:11	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:11	--	1
Vanadium	6010B	46	mg/kg	04/06/23 12:00	04/10/23 14:11	--	1
Zinc	6010B	56	mg/kg	04/06/23 12:00	04/10/23 14:11	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B37-5	27827-024	4/5/2023 17:51	4/5/2023 13:42	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:28	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:28	--	1
Barium	6010B	94	mg/kg	04/06/23 12:00	04/10/23 14:28	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:28	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:28	--	1
Chromium	6010B	14	mg/kg	04/06/23 12:00	04/10/23 14:28	--	1
Cobalt	6010B	9.8	mg/kg	04/06/23 12:00	04/10/23 14:28	--	1
Copper	6010B	13	mg/kg	04/06/23 12:00	04/10/23 14:28	--	1
Lead	6010B	3.9	mg/kg	04/06/23 12:00	04/10/23 14:28	--	1
Mercury	7471A	0.11	mg/kg	04/06/23 16:30	04/11/23 11:16	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 14:28	--	1
Nickel	6010B	9.6	mg/kg	04/06/23 12:00	04/10/23 14:28	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 14:28	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:28	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:28	--	1
Vanadium	6010B	37	mg/kg	04/06/23 12:00	04/10/23 14:28	--	1
Zinc	6010B	46	mg/kg	04/06/23 12:00	04/10/23 14:28	--	1

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Lab Reference # NAM 27827
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Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B37-10	27827-025	4/5/2023 17:51	4/5/2023 13:44	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:44	--	1
Arsenic	6010B	3.9	mg/kg	04/06/23 12:00	04/10/23 14:44	--	1
Barium	6010B	150	mg/kg	04/06/23 12:00	04/10/23 14:44	--	1
Beryllium	6010B	0.76	mg/kg	04/06/23 12:00	04/10/23 14:44	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:44	--	1
Chromium	6010B	21	mg/kg	04/06/23 12:00	04/10/23 14:44	--	1
Cobalt	6010B	14	mg/kg	04/06/23 12:00	04/10/23 14:44	--	1
Copper	6010B	24	mg/kg	04/06/23 12:00	04/10/23 14:44	--	1
Lead	6010B	6.3	mg/kg	04/06/23 12:00	04/10/23 14:44	--	1
Mercury	7471A	0.14	mg/kg	04/06/23 16:30	04/11/23 11:17	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 14:44	--	1
Nickel	6010B	15	mg/kg	04/06/23 12:00	04/10/23 14:44	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 14:44	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:44	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:44	--	1
Vanadium	6010B	53	mg/kg	04/06/23 12:00	04/10/23 14:44	--	1
Zinc	6010B	67	mg/kg	04/06/23 12:00	04/10/23 14:44	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B37-15	27827-026	4/5/2023 17:51	4/5/2023 13:46	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:47	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:47	--	1
Barium	6010B	80	mg/kg	04/06/23 12:00	04/10/23 14:47	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:47	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:47	--	1
Chromium	6010B	13	mg/kg	04/06/23 12:00	04/10/23 14:47	--	1
Cobalt	6010B	8.5	mg/kg	04/06/23 12:00	04/10/23 14:47	--	1
Copper	6010B	11	mg/kg	04/06/23 12:00	04/10/23 14:47	--	1
Lead	6010B	2.6	mg/kg	04/06/23 12:00	04/10/23 14:47	--	1
Mercury	7471A	<0.10	mg/kg	04/06/23 16:30	04/11/23 11:19	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 14:47	--	1
Nickel	6010B	8.4	mg/kg	04/06/23 12:00	04/10/23 14:47	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 14:47	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:47	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:47	--	1
Vanadium	6010B	34	mg/kg	04/06/23 12:00	04/10/23 14:47	--	1
Zinc	6010B	41	mg/kg	04/06/23 12:00	04/10/23 14:47	--	1

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Irvine, CA, 92618

Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B36-0.5	27827-027	4/5/2023 17:51	4/5/2023 14:20	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:50	--	1
Arsenic	6010B	2.1	mg/kg	04/06/23 12:00	04/10/23 14:50	--	1
Barium	6010B	88	mg/kg	04/06/23 12:00	04/10/23 14:50	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:50	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:50	--	1
Chromium	6010B	13	mg/kg	04/06/23 12:00	04/10/23 14:50	--	1
Cobalt	6010B	7.6	mg/kg	04/06/23 12:00	04/10/23 14:50	--	1
Copper	6010B	19	mg/kg	04/06/23 12:00	04/10/23 14:50	--	1
Lead	6010B	15	mg/kg	04/06/23 12:00	04/10/23 14:50	--	1
Mercury	7471A	0.18	mg/kg	04/06/23 16:30	04/11/23 11:21	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 14:50	--	1
Nickel	6010B	7.9	mg/kg	04/06/23 12:00	04/10/23 14:50	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 14:50	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:50	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:50	--	1
Vanadium	6010B	31	mg/kg	04/06/23 12:00	04/10/23 14:50	--	1
Zinc	6010B	46	mg/kg	04/06/23 12:00	04/10/23 14:50	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B36-2.5	27827-028	4/5/2023 17:51	4/5/2023 14:23	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:53	--	1
Arsenic	6010B	2.2	mg/kg	04/06/23 12:00	04/10/23 14:53	--	1
Barium	6010B	110	mg/kg	04/06/23 12:00	04/10/23 14:53	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:53	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:53	--	1
Chromium	6010B	15	mg/kg	04/06/23 12:00	04/10/23 14:53	--	1
Cobalt	6010B	10	mg/kg	04/06/23 12:00	04/10/23 14:53	--	1
Copper	6010B	15	mg/kg	04/06/23 12:00	04/10/23 14:53	--	1
Lead	6010B	5.6	mg/kg	04/06/23 12:00	04/10/23 14:53	--	1
Mercury	7471A	0.20	mg/kg	04/06/23 16:30	04/11/23 11:22	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 14:53	--	1
Nickel	6010B	11	mg/kg	04/06/23 12:00	04/10/23 14:53	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 14:53	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:53	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:53	--	1
Vanadium	6010B	39	mg/kg	04/06/23 12:00	04/10/23 14:53	--	1
Zinc	6010B	51	mg/kg	04/06/23 12:00	04/10/23 14:53	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B43-0.5	27827-031	4/5/2023 17:51	4/5/2023 15:15	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/12/23 09:52	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/12/23 09:52	--	1
Barium	6010B	430	mg/kg	04/06/23 12:00	04/12/23 09:52	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/12/23 09:52	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/12/23 09:52	--	1
Chromium	6010B	12	mg/kg	04/06/23 12:00	04/12/23 09:52	--	1
Cobalt	6010B	7.7	mg/kg	04/06/23 12:00	04/12/23 09:52	--	1
Copper	6010B	11	mg/kg	04/06/23 12:00	04/12/23 09:52	--	1
Lead	6010B	7.1	mg/kg	04/06/23 12:00	04/12/23 09:52	--	1
Mercury	7471A	0.15	mg/kg	04/06/23 16:30	04/11/23 11:28	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/12/23 09:52	--	1
Nickel	6010B	7.6	mg/kg	04/06/23 12:00	04/12/23 09:52	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/12/23 09:52	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/12/23 09:52	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/12/23 09:52	--	1
Vanadium	6010B	32	mg/kg	04/06/23 12:00	04/12/23 09:52	--	1
Zinc	6010B	50	mg/kg	04/06/23 12:00	04/12/23 09:52	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B43-2.5	27827-032	4/5/2023 17:51	4/5/2023 15:20	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/12/23 09:54	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/12/23 09:54	--	1
Barium	6010B	110	mg/kg	04/06/23 12:00	04/12/23 09:54	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/12/23 09:54	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/12/23 09:54	--	1
Chromium	6010B	13	mg/kg	04/06/23 12:00	04/12/23 09:54	--	1
Cobalt	6010B	9.0	mg/kg	04/06/23 12:00	04/12/23 09:54	--	1
Copper	6010B	13	mg/kg	04/06/23 12:00	04/12/23 09:54	--	1
Lead	6010B	4.7	mg/kg	04/06/23 12:00	04/12/23 09:54	--	1
Mercury	7471A	0.10	mg/kg	04/06/23 16:30	04/11/23 11:29	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/12/23 09:54	--	1
Nickel	6010B	8.7	mg/kg	04/06/23 12:00	04/12/23 09:54	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/12/23 09:54	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/12/23 09:54	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/12/23 09:54	--	1
Vanadium	6010B	35	mg/kg	04/06/23 12:00	04/12/23 09:54	--	1
Zinc	6010B	49	mg/kg	04/06/23 12:00	04/12/23 09:54	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B43-5	27827-033	4/5/2023 17:51	4/5/2023 15:28	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/12/23 09:58	--	1
Arsenic	6010B	2.5	mg/kg	04/06/23 12:00	04/12/23 09:58	--	1
Barium	6010B	130	mg/kg	04/06/23 12:00	04/12/23 09:58	--	1
Beryllium	6010B	0.59	mg/kg	04/06/23 12:00	04/12/23 09:58	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/12/23 09:58	--	1
Chromium	6010B	20	mg/kg	04/06/23 12:00	04/12/23 09:58	--	1
Cobalt	6010B	13	mg/kg	04/06/23 12:00	04/12/23 09:58	--	1
Copper	6010B	20	mg/kg	04/06/23 12:00	04/12/23 09:58	--	1
Lead	6010B	4.2	mg/kg	04/06/23 12:00	04/12/23 09:58	--	1
Mercury	7471A	0.19	mg/kg	04/06/23 16:30	04/11/23 11:31	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/12/23 09:58	--	1
Nickel	6010B	13	mg/kg	04/06/23 12:00	04/12/23 09:58	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/12/23 09:58	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/12/23 09:58	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/12/23 09:58	--	1
Vanadium	6010B	52	mg/kg	04/06/23 12:00	04/12/23 09:58	--	1
Zinc	6010B	62	mg/kg	04/06/23 12:00	04/12/23 09:58	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B43-10	27827-034	4/5/2023 17:51	4/5/2023 15:30	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/12/23 10:01	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/12/23 10:01	--	1
Barium	6010B	95	mg/kg	04/06/23 12:00	04/12/23 10:01	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/12/23 10:01	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/12/23 10:01	--	1
Chromium	6010B	12	mg/kg	04/06/23 12:00	04/12/23 10:01	--	1
Cobalt	6010B	8.9	mg/kg	04/06/23 12:00	04/12/23 10:01	--	1
Copper	6010B	13	mg/kg	04/06/23 12:00	04/12/23 10:01	--	1
Lead	6010B	3.0	mg/kg	04/06/23 12:00	04/12/23 10:01	--	1
Mercury	7471A	0.16	mg/kg	04/06/23 16:30	04/11/23 11:33	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/12/23 10:01	--	1
Nickel	6010B	8.1	mg/kg	04/06/23 12:00	04/12/23 10:01	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/12/23 10:01	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/12/23 10:01	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/12/23 10:01	--	1
Vanadium	6010B	31	mg/kg	04/06/23 12:00	04/12/23 10:01	--	1
Zinc	6010B	44	mg/kg	04/06/23 12:00	04/12/23 10:01	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B43-15	27827-035	4/5/2023 17:51	4/5/2023 15:35	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/12/23 10:04	--	1
Arsenic	6010B	2.0	mg/kg	04/06/23 12:00	04/12/23 10:04	--	1
Barium	6010B	110	mg/kg	04/06/23 12:00	04/12/23 10:04	--	1
Beryllium	6010B	0.54	mg/kg	04/06/23 12:00	04/12/23 10:04	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/12/23 10:04	--	1
Chromium	6010B	17	mg/kg	04/06/23 12:00	04/12/23 10:04	--	1
Cobalt	6010B	12	mg/kg	04/06/23 12:00	04/12/23 10:04	--	1
Copper	6010B	19	mg/kg	04/06/23 12:00	04/12/23 10:04	--	1
Lead	6010B	4.2	mg/kg	04/06/23 12:00	04/12/23 10:04	--	1
Mercury	7471A	0.11	mg/kg	04/06/23 16:30	04/11/23 11:35	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/12/23 10:04	--	1
Nickel	6010B	12	mg/kg	04/06/23 12:00	04/12/23 10:04	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/12/23 10:04	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/12/23 10:04	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/12/23 10:04	--	1
Vanadium	6010B	45	mg/kg	04/06/23 12:00	04/12/23 10:04	--	1
Zinc	6010B	56	mg/kg	04/06/23 12:00	04/12/23 10:04	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR0406233	Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 12:40	--	1
MBIR0406233	Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 12:40	--	1
MBIR0406233	Barium	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 12:40	--	1
MBIR0406233	Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 12:40	--	1
MBIR0406233	Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 12:40	--	1
MBIR0406233	Chromium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 12:40	--	1
MBIR0406233	Cobalt	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 12:40	--	1
MBIR0406233	Copper	6010B	<5.0	mg/kg	04/06/23 12:00	04/10/23 12:40	--	1
MBIR0406233	Lead	6010B	<0.80	mg/kg	04/06/23 12:00	04/10/23 12:40	--	1
MBIR0406235	Mercury	7471A	<0.10	mg/kg	04/06/23 16:00	04/11/23 10:02	--	1
MBIR0406233	Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 12:40	--	1
MBIR0406233	Nickel	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 12:40	--	1
MBIR0406233	Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 12:40	--	1
MBIR0406233	Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 12:40	--	1
MBIR0406233	Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 12:40	--	1
MBIR0406233	Vanadium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 12:40	--	1
MBIR0406233	Zinc	6010B	<5.0	mg/kg	04/06/23 12:00	04/10/23 12:40	--	1

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Lab Reference # NAM 27827
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR0406234	Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Barium	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Chromium	6010B	<0.50	mg/kg	04/06/23 12:00	04/12/23 14:06	--	1
MBIR0406234	Cobalt	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Copper	6010B	<5.0	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Lead	6010B	<0.80	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406236	Mercury	7471A	<0.10	mg/kg	04/06/23 16:30	04/11/23 10:56	--	1
MBIR0406234	Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Nickel	6010B	<1.0	mg/kg	04/06/23 12:00	04/12/23 14:06	--	1
MBIR0406234	Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Vanadium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Zinc	6010B	<5.0	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1

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QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)
Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 4/11/2023 14:35
Date of Analysis: 4/13/2023 11:44
Dup Date of Analysis: 4/13/2023 12:04
Laboratory Sample #: 27827-003
MS/MSD Qualifiers: None
Reference #: NAM 27827

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
EFH as Diesel	0.00	1000	1450	1420	145	142	2	8-193	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Octacosane	145	153	☐

LCS	LCSD	Qual
113	111	☐

ACP % RC
40-160

Laboratory Control Sample

Date of Extraction: 4/11/2023 14:35
Date of Analysis: 4/13/2023 11:00
Dup Date of Analysis: 4/13/2023 11:22
Laboratory Sample #: VV0411231
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	1000	935	1010	94	101	8	17-180	42	☐

QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)
Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 4/11/2023 16:37
Date of Analysis: 4/15/2023 5:41
Dup Date of Analysis: 4/15/2023 6:03
Laboratory Sample #: 27827-024
MS/MSD Qualifiers: S1,
Reference #: NAM 27827

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
EFH as Diesel	0.00	1000	1290	1230	129	123	5	8-193	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Octacosane	181	195	☑

LCS	LCSD	Qual
114	116	☐

ACP % RC
40-160

Laboratory Control Sample

Date of Extraction: 4/11/2023 16:37
Date of Analysis: 4/15/2023 4:58
Dup Date of Analysis: 4/15/2023 5:20
Laboratory Sample #: VV0411232
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	1000	684	747	68	75	9	17-180	42	☐

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)
Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 4/6/2023 13:00
Date of Analysis: 4/6/2023 14:30
Dup Date of Analysis: 4/6/2023 14:51
Laboratory Sample #: 27825-001
MS/MSD Qualifiers: None
Reference #: NAM 27827

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	0.250	0.152	0.139	61	56	9	20-144	50	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
α-α-α-Trifluorotoluene	76	68	☐

LCS	LCSD	Qual
95	90	☐

ACP % RC
32-153

Laboratory Control Sample

Date of Extraction: 4/6/2023 13:00
Date of Analysis: 4/6/2023 13:49
Dup Date of Analysis: 4/6/2023 14:10
Laboratory Sample #: LY0406231
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	0.250	0.181	0.193	72	77	6	38-130	27	☐

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)
Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 4/10/2023 9:30
Date of Analysis: 4/10/2023 12:27
Dup Date of Analysis: 4/10/2023 12:47
Laboratory Sample #: 27827-007
MS/MSD Qualifiers: R5,
Reference #: NAM 27827

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	0.250	0.194	0.114	78	46	52	20-144	50	☑

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
α-α-α-Trifluorotoluene	105	63	☐

LCS	LCSD	Qual
87	96	☐

ACP % RC
32-153

Laboratory Control Sample

Date of Extraction: 4/10/2023 9:30
Date of Analysis: 4/10/2023 10:58
Dup Date of Analysis: 4/10/2023 11:19
Laboratory Sample #: LY0410231
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	0.250	0.210	0.194	84	78	8	38-130	27	☐

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)
Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 4/11/2023 9:30
Date of Analysis: 4/11/2023 11:45
Dup Date of Analysis: 4/11/2023 12:06
Laboratory Sample #: 27828-001
MS/MSD Qualifiers: None
Reference #: NAM 27827

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	0.250	0.123	0.165	49	66	29	20-144	50	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
α-α-α-Trifluorotoluene	82	84	☐

LCS	LCSD	Qual
111	86	☐

ACP % RC
32-153

Laboratory Control Sample

Date of Extraction: 4/11/2023 9:30
Date of Analysis: 4/11/2023 11:04
Dup Date of Analysis: 4/11/2023 11:25
Laboratory Sample #: LY0411231
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	0.250	0.168	0.196	67	78	15	38-130	27	☐

QA/QC Report
for
Organochlorine Pesticides (EPA 8081A)
Reporting Units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 4/6/2023 11:15
Date of Analysis: 4/7/2023 13:18
Dup Date of Analysis: 4/7/2023 13:32
Laboratory Sample #: 27827-003
MS/MSD Qualifiers: None
Reference #: NAM 27827

Analyte	R	Spike Conc.	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Aldrin	0.00	20.0	13.4	14.4	67	72	7	14-130	28	--
alpha-BHC	0.00	20.0	13.0	14.0	65	70	7	13-130	29	--
beta-BHC	0.00	20.0	14.3	15.5	72	77	8	13-140	26	--
gamma-BHC (Lindane)	0.00	20.0	13.1	14.2	66	71	8	15-130	26	--
4,4'-DDD	0.00	20.0	15.7	16.5	78	82	5	18-169	20	--
4,4'-DDE	0.00	20.0	16.3	17.8	81	89	9	30-165	20	--
4,4'-DDT	0.00	20.0	18.3	20.3	91	101	10	34-170	20	--
delta-BHC	0.00	20.0	15.7	16.9	78	84	7	18-143	27	--
Dieldrin	0.00	20.0	15.0	16.2	75	81	8	24-147	20	--
Endosulfan I	0.00	20.0	15.5	16.7	77	84	7	13-158	23	--
Endosulfan II	0.00	20.0	15.4	16.4	77	82	6	19-143	29	--
Endosulfan sulfate	0.00	20.0	15.9	16.8	79	84	6	D-158	59	--
Endrin	0.00	20.0	15.0	15.8	75	79	5	26-156	25	--
Endrin Aldehyde	0.00	20.0	11.5	12.9	57	64	11	D-148	59	--
Endrin ketone	0.00	20.0	14.2	15.3	71	76	7	D-147	36	--
Heptachlor	0.00	20.0	13.1	14.1	66	71	7	10-130	30	--
Heptachlor epoxide	0.00	20.0	13.7	14.8	69	74	8	19-134	24	--
Methoxychlor	0.00	20.0	18.4	19.3	92	96	5	12-165	32	--

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Decachlorobiphenyl	86	96	☐

LCS	LCSD	Qual
89	91	☐

ACP % RC
35-130

Laboratory Control Sample (LCS) / Laboratory Control Sample Duplicate (LCSD)

Date of Extraction: 4/6/2023 11:15
Date of Analysis: 4/7/2023 11:21
Dup Date of Analysis: 4/7/2023 11:36
Laboratory Sample #: BL0406231
LCS/LCSD Qualifiers: None

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Aldrin	20.0	13.8	14.5	69	73	5	7-130	31	--
alpha-BHC	20.0	13.4	14.4	67	72	7	10-130	25	--
beta-BHC	20.0	13.5	15.7	68	78	15	12-137	23	--
gamma-BHC (Lindane)	20.0	12.9	14.3	64	72	10	14-130	22	--
4,4'-DDD	20.0	15.0	16.7	75	84	11	25-161	20	--
4,4'-DDE	20.0	16.7	17.5	84	88	5	20-154	20	--

QA/QC Report
for
Organochlorine Pesticides (EPA 8081A)

Reporting Units: ppb

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
4,4'-DDT	20.0	17.7	18.7	89	94	5	26-164	20	--
delta-BHC	20.0	15.0	16.6	75	83	10	17-137	24	--
Dieldrin	20.0	14.5	16.0	73	80	10	18-138	21	--
Endosulfan I	20.0	15.8	16.5	79	82	4	14-142	23	--
Endosulfan II	20.0	14.9	15.8	75	79	6	18-148	20	--
Endosulfan sulfate	20.0	15.5	16.4	77	82	6	11-159	32	--
Endrin	20.0	14.7	16.2	74	81	10	22-141	21	--
Endrin Aldehyde	20.0	10.5	12.1	52	61	14	2-140	40	--
Endrin ketone	20.0	13.6	15.2	68	76	11	12-145	22	--
Heptachlor	20.0	12.9	14.2	64	71	10	5-130	29	--
Heptachlor epoxide	20.0	13.9	14.6	69	73	5	14-130	22	--
Methoxychlor	20.0	17.8	17.6	89	88	1	29-157	20	--

QA/QC Report
for
Polychlorinated Biphenyl's (EPA 8082)

Reporting units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 4/6/2023 15:25
Date of Analysis: 4/7/2023 17:40
Dup Date of Analysis: 4/7/2023 17:55
Laboratory Sample #: 27827-014
MS/MSD Qualifiers: None
Reference #: NAM 27827

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
PCB-1016	0.00	150	99.4	87.0	66	58	13	28-130	28	☐
PCB-1260	0.00	150	95.6	104	64	69	8	36-132	20	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Decachlorobiphenyl	70	77	☐

LCS	LCSD	Qual
86	87	☐

ACP % RC
35-130

Laboratory Control Sample

Date of Extraction: 4/6/2023 15:25
Date of Analysis: 4/7/2023 17:11
Dup Date of Analysis: 4/7/2023 17:26
Laboratory Sample #: VV0406231
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
PCB-1016	150	82.9	80.6	55	54	3	14-130	31	☐
PCB-1260	150	104	101	69	67	3	42-130	20	☐

QA/QC Report
for
Volatile Organic Compounds (8260B)
Reporting Units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 4/10/2023 10:35
Date of Analysis: 4/10/2023 14:45
Dup Date of Analysis: 4/10/2023 15:05
Laboratory Sample #: 27830-011
MS/MSD Qualifiers: None
Reference #: NAM 27827

Analyte	R	Spike Conc.	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Benzene	0.00	10.0	10.5	10.8	105	108	3	70-138	20	--
Chlorobenzene	0.00	10.0	10.9	11.2	109	112	3	70-132	20	--
1,1-Dichloroethene	0.00	10.0	7.98	8.19	80	82	3	46-130	20	--
Toluene	0.00	10.0	10.5	10.9	105	109	4	70-130	20	--
Trichloroethene	0.00	10.0	9.87	10.1	99	101	2	70-135	20	--

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	86	87	☐	87	87	☐	65-130
Toluene-d8	83	88	☐	84	85	☐	58-130
4-Bromofluorobenzene	78	91	☐	85	87	☐	40-135

Laboratory Control Sample (LCS) / Laboratory Control Sample Duplicate (LCSD)

Date of Extraction: 4/10/2023 10:35
Date of Analysis: 4/10/2023 14:05
Dup Date of Analysis: 4/10/2023 14:25
Laboratory Sample #: HT0410231
LCS/LCSD Qualifiers: None

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Benzene	10.0	12.2	10.3	122	103	17	70-134	20	--
Chlorobenzene	10.0	12.5	10.8	125	108	15	70-130	20	--
1,1-Dichloroethene	10.0	8.75	7.47	88	75	16	48-130	20	--
Toluene	10.0	11.9	10.3	119	103	14	70-130	20	--
Trichloroethene	10.0	11.3	9.64	113	96	16	70-132	20	--

QA/QC Report
for
Volatile Organic Compounds (8260B)
Reporting Units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 4/11/2023 12:09
Date of Analysis: 4/11/2023 17:02
Dup Date of Analysis: 4/11/2023 17:22
Laboratory Sample #: 27827-010
MS/MSD Qualifiers: None
Reference #: NAM 27827

Analyte	R	Spike Conc.	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Benzene	0.00	10.0	11.3	10.8	113	108	5	70-138	20	--
Chlorobenzene	0.00	10.0	11.3	11.0	113	110	3	70-132	20	--
1,1-Dichloroethene	0.00	10.0	8.98	8.59	90	86	4	46-130	20	--
Toluene	0.00	10.0	10.9	10.4	109	104	5	70-130	20	--
Trichloroethene	0.00	10.0	10.8	10.3	108	103	5	70-135	20	--

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	94	95	☐	93	97	☐	65-130
Toluene-d8	84	87	☐	85	89	☐	58-130
4-Bromofluorobenzene	78	84	☐	77	87	☐	40-135

Laboratory Control Sample (LCS) / Laboratory Control Sample Duplicate (LCSD)

Date of Extraction: 4/11/2023 12:09
Date of Analysis: 4/11/2023 16:15
Dup Date of Analysis: 4/11/2023 16:35
Laboratory Sample #: HT0411231
LCS/LCSD Qualifiers: None

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Benzene	10.0	10.2	9.76	102	98	4	70-134	20	--
Chlorobenzene	10.0	10.2	10.1	102	101	1	70-130	20	--
1,1-Dichloroethene	10.0	7.51	7.72	75	77	3	48-130	20	--
Toluene	10.0	9.78	9.42	98	94	4	70-130	20	--
Trichloroethene	10.0	9.30	8.92	93	89	4	70-132	20	--

QA/QC Report
for
Semi-Volatile Organic Compounds (8270C)
Reporting Units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 4/5/2023 12:35
Date of Analysis: 4/5/2023 18:13
Dup Date of Analysis: 4/5/2023 18:46
Laboratory Sample #: 27811-007
MS/MSD Qualifiers: None
Reference #: NAM 27827

Analyte	R	Spike Conc.	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Acenaphthene	0.00	20.0	17.9	17.3	89	86	3	11-138	20	--
Acenaphthylene	0.00	20.0	15.1	14.7	75	74	3	54-130	32	--
Anthracene	0.00	20.0	18.6	18.5	93	93	1	43-130	30	--
Benz(a)anthracene	0.00	20.0	23.1	23.0	115	115	0	42-133	30	--
Benzo(a)pyrene	0.00	20.0	16.8	17.2	84	86	2	32-148	30	--
Benzo(b)fluoranthene	0.00	20.0	17.3	17.5	86	88	1	42-140	30	--
Benzo(g,h,i)perylene	0.00	20.0	12.7	13.2	63	66	4	D-195	30	--
Benzo(k)fluoranthene	0.00	20.0	14.4	14.7	72	74	2	25-146	30	--
Chrysene	0.00	20.0	17.2	17.6	86	88	2	44-140	35	--
Dibenz(a,h)anthracene	0.00	20.0	15.2	15.5	76	77	2	D-200	35	--
Fluoranthene	0.00	20.0	20.5	20.7	102	104	1	43-130	30	--
Fluorene	0.00	20.0	20.2	19.7	101	99	3	70-130	30	--
Indeno(1,2,3-cd)pyrene	0.00	20.0	15.2	15.5	76	77	2	D-151	30	--
Naphthalene	0.00	20.0	16.5	16.2	82	81	2	36-130	30	--
Phenanthrene	0.00	20.0	19.5	19.7	98	99	1	70-130	30	--
Pyrene	0.00	20.0	17.0	17.0	85	85	0	25-145	20	--

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Nitrobenzene-d5	69	58	☐

LCS	LCSD	Qual
82	65	☐

ACP % RC
8-134

Laboratory Control Sample (LCS) / Laboratory Control Sample Duplicate (LCSD)

Date of Extraction: 4/5/2023 12:35
Date of Analysis: 4/5/2023 17:09
Dup Date of Analysis: 4/5/2023 17:41
Laboratory Sample #: GS0405231
LCS/LCSD Qualifiers: None

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Acenaphthene	20.0	18.4	18.3	92	91	1	24-137	20	--
Acenaphthylene	20.0	16.5	15.8	82	79	4	54-126	32	--
Anthracene	20.0	18.1	18.2	91	91	1	43-118	27	--
Benz(a)anthracene	20.0	24.5	25.6	123	128	4	42-133	21	--

QA/QC Report
for
Semi-Volatile Organic Compounds (8270C)

Reporting Units: ppb

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Benzo(a)pyrene	20.0	14.7	16.8	74	84	13	32-148	26	--
Benzo(b)fluoranthene	20.0	15.3	17.1	76	86	11	42-140	28	--
Benzo(g,h,i)perylene	20.0	11.8	13.0	59	65	10	D-195	30	--
Benzo(k)fluoranthene	20.0	15.2	15.7	76	78	3	25-146	22	--
Chrysene	20.0	16.4	17.3	82	86	5	44-140	35	--
Dibenz(a,h)anthracene	20.0	14.0	15.3	70	76	9	D-200	35	--
Fluoranthene	20.0	19.6	19.3	98	96	2	43-121	27	--
Fluorene	20.0	21.0	20.6	105	103	2	72-108	20	--
Indeno(1,2,3-cd)pyrene	20.0	14.0	15.3	70	76	9	D-151	30	--
Naphthalene	20.0	20.3	15.8	101	79	25	36-120	25	--
Phenanthrene	20.0	19.0	19.1	95	96	1	70-130	20	--
Pyrene	20.0	16.9	17.0	84	85	1	27-154	20	--

QA/QC Report
for
Metals

Reference #: NAM 27827 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7471A**

Laboratory Sample #: 27827-001 **Date of Extraction:** 04/06/23 12:00

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Antimony	04/10/23 12:52	04/10/23 12:55	0.00	20.0	3.67	4.51	18	23	21	75-125	20	M3,
Arsenic	04/10/23 12:52	04/10/23 12:55	2.40	20.0	16.4	18.0	70	78	9	75-125	20	M2,
Barium	04/10/23 12:52	04/10/23 12:55	190	20.0	149	195	0	25	27	75-125	20	M3,
Beryllium	04/10/23 12:52	04/10/23 12:55	0.00	20.0	14.3	15.7	72	78	9	75-125	20	M2,
Cadmium	04/10/23 12:52	04/10/23 12:55	0.00	20.0	15.0	16.0	75	80	6	75-125	20	--
Chromium	04/10/23 12:52	04/10/23 12:55	12.0	20.0	24.1	27.1	61	76	12	75-125	20	M2,
Cobalt	04/10/23 12:52	04/10/23 12:55	7.30	20.0	19.8	21.9	62	73	10	75-125	20	M2,
Copper	04/10/23 12:52	04/10/23 12:55	17.0	20.0	29.0	33.5	60	83	14	75-125	20	M2,
Lead	04/10/23 12:52	04/10/23 12:55	230	20.0	115	440	0	1050	117	75-125	20	M3,
Molybdenum	04/10/23 12:52	04/10/23 12:55	0.00	20.0	13.6	14.5	68	73	6	75-125	20	M2,
Nickel	04/10/23 12:52	04/10/23 12:55	8.00	20.0	20.8	23.1	64	76	10	75-125	20	M2,
Selenium	04/10/23 12:52	04/10/23 12:55	0.00	20.0	13.7	11.3	68	57	19	75-125	20	M2,
Silver	04/10/23 12:52	04/10/23 12:55	0.00	20.0	15.8	16.4	79	82	4	75-125	20	--
Thallium	04/10/23 12:52	04/10/23 12:55	0.00	20.0	12.6	11.4	63	57	10	75-125	20	M2,
Vanadium	04/10/23 12:52	04/10/23 12:55	27.0	20.0	37.9	42.6	55	78	12	75-125	20	M2,
Zinc	04/10/23 12:52	04/10/23 12:55	210	20.0	195	242	0	160	22	75-125	20	M3,

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **6010B/7471A**

Laboratory Sample #: IR0406233 **Date of Extraction:** 04/06/23 12:00

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Antimony	04/10/23 12:44	04/10/23 12:46	--	20.0	19.3	19.4	96	97	1	80-120	20	--
Arsenic	04/10/23 12:44	04/10/23 12:46	--	20.0	19.1	19.2	96	96	1	80-120	20	--
Barium	04/10/23 12:44	04/10/23 12:46	--	20.0	19.9	20.1	99	101	1	80-120	20	--
Beryllium	04/10/23 12:44	04/10/23 12:46	--	20.0	19.2	19.5	96	98	2	80-120	20	--
Cadmium	04/10/23 12:44	04/10/23 12:46	--	20.0	18.8	18.7	94	94	1	80-120	20	--
Chromium	04/10/23 12:44	04/10/23 12:46	--	20.0	20.4	20.7	102	104	1	80-120	20	--
Cobalt	04/10/23 12:44	04/10/23 12:46	--	20.0	20.3	20.5	101	102	1	80-120	20	--
Copper	04/10/23 12:44	04/10/23 12:46	--	20.0	20.8	21.2	104	106	2	80-120	20	--
Lead	04/10/23 12:44	04/10/23 12:46	--	20.0	20.1	20.2	101	101	0	80-120	20	--
Molybdenum	04/10/23 12:44	04/10/23 12:46	--	20.0	19.2	19.3	96	96	1	80-120	20	--
Nickel	04/10/23 12:44	04/10/23 12:46	--	20.0	20.7	21.0	104	105	1	80-120	20	--
Selenium	04/10/23 12:44	04/10/23 12:46	--	20.0	20.7	17.0	104	85	20	80-120	20	--
Silver	04/10/23 12:44	04/10/23 12:46	--	20.0	19.1	19.2	96	96	1	80-120	20	--
Thallium	04/10/23 12:44	04/10/23 12:46	--	20.0	20.4	20.3	102	101	0	80-120	20	--
Vanadium	04/10/23 12:44	04/10/23 12:46	--	20.0	19.3	19.5	96	98	1	80-120	20	--
Zinc	04/10/23 12:44	04/10/23 12:46	--	20.0	20.5	20.2	102	101	1	80-120	20	--

QA/QC Report
for
Metals

Reference #: NAM 27827 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7471A**

Laboratory Sample #: 27827-024 **Date of Extraction:** 04/06/23 12:00

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Antimony	04/10/23 14:31	04/10/23 14:34	0.00	20.0	6.00	4.33	30	22	32	75-125	20	M2, R2,
Arsenic	04/10/23 14:31	04/10/23 14:34	0.00	20.0	21.8	22.0	109	110	1	75-125	20	--
Barium	04/10/23 14:31	04/10/23 14:34	94.0	20.0	122	120	140	130	2	75-125	20	M3,
Beryllium	04/10/23 14:31	04/10/23 14:34	0.00	20.0	20.0	20.0	100	100	0	75-125	20	--
Cadmium	04/10/23 14:31	04/10/23 14:34	0.00	20.0	17.9	18.0	89	90	1	75-125	20	--
Chromium	04/10/23 14:31	04/10/23 14:34	14.0	20.0	35.2	33.6	106	98	5	75-125	20	--
Cobalt	04/10/23 14:31	04/10/23 14:34	9.80	20.0	30.1	28.3	102	92	6	75-125	20	--
Copper	04/10/23 14:31	04/10/23 14:34	13.0	20.0	33.2	33.1	101	100	0	75-125	20	--
Lead	04/10/23 14:31	04/10/23 14:34	3.90	20.0	21.8	22.0	89	90	1	75-125	20	--
Molybdenum	04/10/23 14:31	04/10/23 14:34	0.00	20.0	17.7	17.8	89	89	1	75-125	20	--
Nickel	04/10/23 14:31	04/10/23 14:34	9.60	20.0	31.3	28.8	108	96	8	75-125	20	--
Selenium	04/10/23 14:31	04/10/23 14:34	0.00	20.0	17.0	17.4	85	87	2	75-125	20	--
Silver	04/10/23 14:31	04/10/23 14:34	0.00	20.0	17.6	17.5	88	88	1	75-125	20	--
Thallium	04/10/23 14:31	04/10/23 14:34	0.00	20.0	13.3	13.0	67	65	2	75-125	20	M2,
Vanadium	04/10/23 14:31	04/10/23 14:34	37.0	20.0	57.1	55.4	100	92	3	75-125	20	--
Zinc	04/10/23 14:31	04/10/23 14:34	46.0	20.0	67.6	66.7	108	103	1	75-125	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **6010B/7471A**

Laboratory Sample #: IR0406234 **Date of Extraction:** 04/06/23 12:00

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Antimony	04/10/23 14:17	04/10/23 14:20	--	20.0	20.0	19.5	100	98	3	80-120	20	--
Arsenic	04/10/23 14:17	04/10/23 14:20	--	20.0	20.3	20.0	101	100	1	80-120	20	--
Barium	04/10/23 14:17	04/10/23 14:20	--	20.0	20.6	20.3	103	101	1	80-120	20	--
Beryllium	04/10/23 14:17	04/10/23 14:20	--	20.0	19.5	19.1	98	96	2	80-120	20	--
Cadmium	04/10/23 14:17	04/10/23 14:20	--	20.0	18.8	18.3	94	91	3	80-120	20	--
Chromium	04/10/23 14:17	04/10/23 14:20	--	20.0	21.2	20.5	106	102	3	80-120	20	--
Cobalt	04/10/23 14:17	04/10/23 14:20	--	20.0	21.1	20.6	106	103	2	80-120	20	--
Copper	04/10/23 14:17	04/10/23 14:20	--	20.0	20.4	19.7	102	99	3	80-120	20	--
Lead	04/10/23 14:17	04/10/23 14:20	--	20.0	20.7	19.8	104	99	4	80-120	20	--
Molybdenum	04/10/23 14:17	04/10/23 14:20	--	20.0	19.8	19.3	99	96	3	80-120	20	--
Nickel	04/10/23 14:17	04/10/23 14:20	--	20.0	22.0	21.6	110	108	2	80-120	20	--
Selenium	04/10/23 14:17	04/10/23 14:20	--	20.0	18.8	18.7	94	94	1	80-120	20	--
Silver	04/10/23 14:17	04/10/23 14:20	--	20.0	19.0	18.4	95	92	3	80-120	20	--
Thallium	04/10/23 14:17	04/10/23 14:20	--	20.0	20.3	20.4	101	102	0	80-120	20	--
Vanadium	04/10/23 14:17	04/10/23 14:20	--	20.0	19.8	19.1	99	96	4	80-120	20	--
Zinc	04/10/23 14:17	04/10/23 14:20	--	20.0	21.5	21.0	108	105	2	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7471A**

Laboratory Sample #: 27825-001 **Date of Extraction:** 04/06/23 16:00

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Mercury	04/11/23 10:11	04/11/23 10:13	0.00	1.00	0.907	0.907	91	91	0	80-120	20	--

QA/QC Report
for
Metals

Reference #: NAM 27827 Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **6010B/7471A**

Laboratory Sample #: IR0406235 **Date of Extraction:** 04/06/23 16:00

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Mercury	04/11/23 11:42	04/11/23 10:08	--	1.00	0.963	1.04	96	104	8	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7471A**

Laboratory Sample #: 27827-020 **Date of Extraction:** 04/06/23 16:30

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Mercury	04/11/23 13:24	04/11/23 13:26	0.13	1.00	0.959	0.973	83	84	1	80-120	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **6010B/7471A**

Laboratory Sample #: IR0406236 **Date of Extraction:** 04/06/23 16:30

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Mercury	04/11/23 10:58	04/11/23 11:00	--	1.00	0.984	0.990	98	99	1	80-120	20	--

Data Qualifier Definitions

Qualifier

D1 = Sample required dilution due to matrix.

M2 = Matrix spike recovery was low, the associated blank spike recovery was acceptable.

27827-001	6010B	Arsenic	MS
27827-001	6010B	Beryllium	MS
27827-001	6010B	Chromium	MS
27827-001	6010B	Cobalt	MS/MSD
27827-001	6010B	Copper	MS
27827-001	6010B	Molybdenum	MS/MSD
27827-001	6010B	Nickel	MS
27827-001	6010B	Selenium	MS/MSD
27827-001	6010B	Thallium	MS/MSD
27827-001	6010B	Vanadium	MS
27827-024	6010B	Antimony	MS/MSD
27827-024	6010B	Thallium	MS/MSD

M3 = The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The associated blank spike recovery was acceptable.

27827-001	6010B	Antimony	MS/MSD
27827-001	6010B	Barium	MS/MSD
27827-001	6010B	Lead	MS/MSD
27827-001	6010B	Zinc	MS/MSD
27827-024	6010B	Barium	MS/MSD

R2 = RPD/RSD exceeded the laboratory acceptance limit.

27827-024	6010B	Antimony	MS/MSD

R5 = MS/MSD RPD exceeded the laboratory acceptance limit. Recovery met acceptance criteria.

27827-007	8015B	VFH	MS/MSD

S1 = Surrogate recovery was above laboratory acceptance limits.

27827-024	8015B	Octacosane	MS/MSD

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.

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Lab Job No.: 27877 Page: 1 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	Aileen Chea / Skylar Lee

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,mo by EPA 8015B	REMARKS / INSTRUCTIONS
1	B34-2.5	5	4/5/23	0800	SS	9oz jar / 4 VOAs			X		X				X	X	
2	B34-5			0820													HOLD
3	B34-10			0830					X		X				X	X	AC 4/5/23
4	B35-2.5			0910					X		X				X	X	
5	B35-5			0923		6" sleeve / 4 VOAs											HOLD
6	B35-10			0925					X		X				X	X	AC 4/5/23
7	B46-0.5	1		0950		9oz jar											
8	B46-2.5	5		1000		9oz jar / 4 VOAs											
9	B46-5			1013		6" sleeve / 4 VOAs											AC 4/5/23
10	B46-10			1015													AC 4/5/23
11	B46-15			1025													HOLD
12	B39-0.5	1		1049		9oz jar				X	X					X	
13	B39-2.5	5		1052		9oz jar / 4 VOAs				X	X				X	X	
14	B39-5			1100		6" sleeve / 4 VOAs				X	X				X	X	

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME

Standard: X
72 Hour:
48 Hour:
24 Hour:

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By: Aileen Chea	Date: 4/5/23	Received For OCA By:	Date: 4/5/23
	Time: 1751		Time: 1751
Company: Ninyo & Moore		Company: OCA	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other 2 coolers

Sample Integrity: @ 3.1 °C
Intact: ✓ On Ice: (Yes) No @ IR#3 °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.

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Tustin, CA 92780
Phone: (714) 832-0064 Fax: (714) 832-0067

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Phoenix, AZ 85040
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Lab Job No.: 27824 Page: 2 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	Aileen Chea/Skylar Lee

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME: Standard: X; 72 Hour: ; 48 Hour: ; 24 Hour:

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,mo by EPA 8015B	REMARKS / INSTRUCTIONS
15	B39-10	5	4/5/23	1102	SS	6" sleeve/ 4 VOAs				X	X				X	X	
16	B39-15	↓		1105		↓				X	X				X	X	
17	B38-0.5	1		1237		9oz jar				X	X					X	
18	B38-2.5	5		1239		9oz jar/ 4 VOAs				X	X				X	X	
19	B38-5			AC 1253		6" sleeve/ 4 VOAs				X	X				X	X	
20	B38-10			1255						X	X				X	X	
21	B38-15	↓		1258		↓				X	X				X	X	
22	B37-0.5	1		1326		9oz jar				X	X					X	
23	B37-2.5	5		1332		9oz jar/ 4 VOAs				X	X				X	X	
24	B37-5			1342		6" sleeve/ 4 VOAs				X	X				X	X	
25	B37-10			1344		↓				X	X				X	X	
26	B37-15	↓		1346		9oz jar/ 4 VOAs				X	X				X	X	
27	B36-0.5	6		1420		9oz & 4oz jar/ 4 VOAs					X	X		X	X	X	
28	B36-2.5	↓	↓	1423	↓	↓					X	X		X	X	X	

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By: Aileen Chea	Date: 4/5/23	Received For OCA By:	Date: 4/5/23
	Time: 1751		Time: 1751
Company: Ninyo & Moore		Company: OCAC	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: Intact: _____ On Ice: Yes / No @ _____ °C

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Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.

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Lab Job No.: 27827 Page: 3 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	Aileen Chea / Skylar Lee

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,mo by EPA 8015B	REMARKS / INSTRUCTIONS
29	B36-5	6	4/5/23	1440	SS	9oz & 4oz jar/ 4 VOAs											HOLD
30	B36-10	↓		1442		↓											HOLD
31	B43-0.5	1		1515		9oz jar				X	X					X	
32	B43-2.5	5		1520		9oz jar/ 4 VOAs				X	X				X	X	
33	B43-5			1528		6" sleeve/ 4 VOAs				X	X				X	X	
34	B43-10			1530		↓				X	X				X	X	
35	B43-15	↓	↓	1535	↓	9oz jar/ 4 VOAs				X	X				X	X	

AC @ 4/5/23

REQUESTED TURN-AROUND-TIME	
Standard:	X
72 Hour:	
48 Hour:	
24 Hour:	

No. of Samples: 7 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By: Aileen Chea	Date: 4/5/23	Received For OCA By:	Date: 4/5/23
	Time: 1751		Time: 1751
Company: Ninyo & Moore		Company: OCAA	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity:

Intact: _____ On Ice: Yes / No @ _____ °C

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Sample Receipt Report

Laboratory Reference: **NAM 27827** Logged in by: MM

Received:	04/05/23 17:51	Company Name:	Ninyo & Moore
Method of Shipment:	Hand Delivered	Project Manager:	Mr. Dennis Fee
Shipping Container:	Cooler	Project Name:	LAUSD 49th Street PEA
# Shipping Containers:	2	Project #:	211936010

Sample Quantity
35 Soil

Chain of Custody	Complete ☑	Incomplete ☐	None ☐
Samples On Ice	Yes, Wet ☑	Yes, Blue ☐	No ☐
Observed Temp. (°C):	Thermometer ID:	Adjusted Temp.:	
Shipping Intact	Yes ☐	N/A ☑	No ☐
Shipping Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Samples Intact	Yes ☑		No ☐
Sample Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated	Yes ☐	N/A ☑	No ☐
Proper Test Containers	Yes ☑		No ☐
Proper Test Preservations	Yes ☑		No ☐
Samples Within Hold Times	Yes ☑		No ☐
VOAs Have Zero Headspace	Yes ☐	N/A ☑	No ☐
Sample Labels	Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC	Yes ☑	N/A ☐	No ☐

Notes

2 coolers at 3 and 1 °C IR#3 correction =+0 °C

Client Notified _____ By _____ On _____

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Mark Noorani
Orange Coast Analytical Inc
3002 Dow Ave,
Suite 532
Tustin, California 92780

Generated 4/17/2023 4:29:15 PM

JOB DESCRIPTION

211936010

JOB NUMBER

570-134446-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

my EOL

Eurofins Calscience

Job Notes

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The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization



Authorized for release by
Sandy Tat, Project Manager I
Sandy.Tat@et.eurofinsus.com
(714)895-5494

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4/17/2023 4:29:15 PM

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Definitions/Glossary

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-134446-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-134446-1

Job ID: 570-134446-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-134446-1

Comments
No additional comments.

Receipt
The sample was received on 4/11/2023 11:15 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.2º C.

HPLC/IC
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-134446-1

Client Sample ID: B36-0.5

Lab Sample ID: 570-134446-1

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-134446-1

Method: SW846 7199 - Chromium, Hexavalent (IC)

Client Sample ID: B36-0.5
Date Collected: 04/05/23 14:20
Date Received: 04/11/23 11:15

Lab Sample ID: 570-134446-1
Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		400	190	ug/Kg		04/15/23 02:00	04/15/23 09:46	10

QC Sample Results

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-134446-1

Method: 7199 - Chromium, Hexavalent (IC)

Lab Sample ID: MB 570-319506/1-A
Matrix: Solid
Analysis Batch: 320685

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 319506

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		400	190	ug/Kg		04/15/23 02:00	04/15/23 09:34	10

Lab Sample ID: LCS 570-319506/2-A
Matrix: Solid
Analysis Batch: 320685

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 319506

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent			20100	19510		ug/Kg		97	80 - 120		

Lab Sample ID: LCSD 570-319506/3-A
Matrix: Solid
Analysis Batch: 320685

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 319506

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent			19800	19980		ug/Kg		101	80 - 120	2	20

Lab Sample ID: 570-134446-1 MS
Matrix: Solid
Analysis Batch: 320685

Client Sample ID: B36-0.5
Prep Type: Total/NA
Prep Batch: 319506

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent	ND		19900	19300		ug/Kg		97	75 - 125		

Lab Sample ID: 570-134446-1 MSD
Matrix: Solid
Analysis Batch: 320685

Client Sample ID: B36-0.5
Prep Type: Total/NA
Prep Batch: 319506

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	ND		20100	18920		ug/Kg		94	75 - 125	2	25

QC Association Summary

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-134446-1

HPLC/IC

Prep Batch: 319506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-134446-1	B36-0.5	Total/NA	Solid	3060A	
MB 570-319506/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 570-319506/2-A	Lab Control Sample	Total/NA	Solid	3060A	
LCSD 570-319506/3-A	Lab Control Sample Dup	Total/NA	Solid	3060A	
570-134446-1 MS	B36-0.5	Total/NA	Solid	3060A	
570-134446-1 MSD	B36-0.5	Total/NA	Solid	3060A	

Analysis Batch: 320685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-134446-1	B36-0.5	Total/NA	Solid	7199	319506
MB 570-319506/1-A	Method Blank	Total/NA	Solid	7199	319506
LCS 570-319506/2-A	Lab Control Sample	Total/NA	Solid	7199	319506
LCSD 570-319506/3-A	Lab Control Sample Dup	Total/NA	Solid	7199	319506
570-134446-1 MS	B36-0.5	Total/NA	Solid	7199	319506
570-134446-1 MSD	B36-0.5	Total/NA	Solid	7199	319506

Lab Chronicle

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-134446-1

Client Sample ID: B36-0.5

Date Collected: 04/05/23 14:20
Date Received: 04/11/23 11:15

Lab Sample ID: 570-134446-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			2.51 g	100 mL	319506	04/15/23 02:00	YO8L	EET CAL 4
Total/NA	Analysis	7199		10	4 mL	4 mL	320685	04/15/23 09:46	YO8L	EET CAL 4
	Instrument ID: IC33									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-134446-1

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	3082	07-31-24

Method Summary

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-134446-1

Method	Method Description	Protocol	Laboratory
7199	Chromium, Hexavalent (IC)	SW846	EET CAL 4
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET CAL 4

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: Orange Coast Analytical Inc
Project/Site: 211936010

Job ID: 570-134446-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-134446-1	B36-0.5	Solid	04/05/23 14:20	04/11/23 11:15

1 2 3 4 5 6 7 8 9 10 11 12 13 14

134446

eurofins | Calscience

7440 Lincoln Way, Garden Grove, CA 92841-1427 • (714) 895-5494
For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

570-134446 Chain of Custody

CHAIN OF CUSTODY RECORD

DATE:

PAGE: 1 OF 1

LABORATORY CLIENT: Orange Coast Analytical, Inc.	CLIENT PROJECT NAME / NUMBER: 211936010
ADDRESS: 3002 Dow Ave, Ste 532	P.O. NO.: 27827
CITY: Tustin STATE: CA ZIP: 92780	PROJECT CONTACT: Mark Noorani
TEL: 7148320064 E-MAIL: markn@ocalab.com	SAMPLER(S): (PRINT)

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH	BTEX / MTBE ☐ 8260 ☐	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	TOC	OPPs by 8141		
	B36-0.5	4/5/23	14:20	S	1																	x				

Relinquished by: (Signature)	Received by: (Signature/Affiliation) EC	Date: 4/11/23	Time: 11:15
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

2.3/2.2 SC12

06/02/14 Revision

4/17/2023

Login Sample Receipt Checklist

Client: Orange Coast Analytical Inc

Job Number: 570-134446-1

Login Number: 134446
List Number: 1
Creator: Vitente, Precy

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Orange Coast Analytical, Inc.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.:2576
Expiration Date: 2023
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:
Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 27827A
Project Name:	LAUSD 49th Street PEA
Project Number:	211936010
Date Received:	4/18/2023
Date Reported:	4/24/2023
Chain of Custody Received:	☑
Analytical Method:	6010B, 1311/6010B,

Mark Noorani, Laboratory Director

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Rev1.0

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27827A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at ºC, on ice.

2 coolers at 3 and 1 °C IR#3 correction =+0 °C

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27827A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B34-2.5	27827-001	4/5/2023	4/5/2023	Soil

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27827A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B34-2.5	27827-001	4/5/2023 17:51	4/5/2023 8:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
TCLP Lead	6010B	0.19	mg/l	04/19/23 10:35	04/20/23 10:49	--	1

Method Blank — Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR0419232	TCLP Lead	6010B	<0.080	mg/l	04/19/23 10:35	04/20/23 10:35	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B34-2.5	27827-001	4/5/2023 17:51	4/5/2023 8:00	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
STLC Lead	6010B	11	mg/L	04/20/23 17:00	04/24/23 14:19	--	1

Method Blank — Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR0420234	STLC Lead	6010B	<0.20	mg/L	04/20/23 17:00	04/24/23 14:06	--	1

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QA/QC Report
for
Metals

Reference #: NAM 27827A

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ 6010B**

Laboratory Sample #: 27827-001 **Date of Extraction:** 04/19/23 10:35

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
TCLP Lead	04/20/23 10:43	04/20/23 10:46	0.19	0.400	0.587	0.569	99	95	3	75-125	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ 6010B**

Laboratory Sample #: IR0419232 **Date of Extraction:** 04/19/23 10:35

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
TCLP Lead	04/20/23 10:37	04/20/23 10:40	--	0.400	0.387	0.379	97	95	2	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **1311/ STLC CCR**

Laboratory Sample #: 27827-001 **Date of Extraction:** 04/20/23 17:00

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
STLC Lead	04/24/23 14:14	04/24/23 14:17	11.0	1.00	11.3	11.7	30	70	3	75-125	20	M3,

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **1311/ STLC CCR**

Laboratory Sample #: IR0420234 **Date of Extraction:** 04/20/23 17:00

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
STLC Lead	04/24/23 14:09	04/24/23 14:11	--	1.00	0.889	0.898	89	90	1	80-120	20	--

Data Qualifier Definitions

Qualifier

M3 = The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The associated blank spike recovery was acceptable.

27827-001	STLC CCR	STLC Lead	MS/MSD

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.

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Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 27877 Page: 1 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	Aileen Chea / Skylar Lee

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,mo by EPA 8015B	REMARKS / INSTRUCTIONS
1	B34-2.5	5	4/5/23	0800	SS	9oz jar / 4 VOAs			X		X				X	X	
2	B34-5			0820													HOLD
3	B34-10			0830					X		X				X	X	AC 4/5/23
4	B35-2.5			0910					X		X				X	X	
5	B35-5			0923		6" sleeve / 4 VOAs											HOLD
6	B35-10			0925					X		X				X	X	AC 4/5/23
7	B46-0.5	1		0950		9oz jar											
8	B46-2.5	5		1000		9oz jar / 4 VOAs											
9	B46-5			1013		6" sleeve / 4 VOAs											AC 4/5/23
10	B46-10			1015													AC 4/5/23
11	B46-15			1025													HOLD
12	B39-0.5	1		1049		9oz jar				X	X					X	
13	B39-2.5	5		1052		9oz jar / 4 VOAs				X	X				X	X	
14	B39-5			1100		6" sleeve / 4 VOAs				X	X				X	X	

REQUESTED TURN-AROUND-TIME

Standard: X
72 Hour:
48 Hour:
24 Hour:

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By: Aileen Chea	Date: 4/5/23	Received For OCA By:	Date: 4/5/23
	Time: 1751		Time: 1751
Company: Ninyo & Moore		Company: OCA	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other 2 coolers

Sample Integrity: @3.1°C
Intact: ✓ On Ice: (Yes) No @ IR#3 °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.

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Lab Job No.: 27824 Page: 2 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	Aileen Chea/Skylar Lee

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME: Standard: X; 72 Hour: ; 48 Hour: ; 24 Hour:

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,mo by EPA 8015B	REMARKS / INSTRUCTIONS
15	B39-10	5	4/5/23	1102	SS	6" sleeve/ 4 VOAs				X	X				X	X	
16	B39-15	↓		1105		↓				X	X				X	X	
17	B38-0.5	1		1237		9oz jar				X	X					X	
18	B38-2.5	5		1239		9oz jar/ 4 VOAs				X	X				X	X	
19	B38-5			AC 1253		6" sleeve/ 4 VOAs				X	X				X	X	
20	B38-10			1255						X	X				X	X	
21	B38-15	↓		1258		↓				X	X				X	X	
22	B37-0.5	1		1326		9oz jar				X	X					X	
23	B37-2.5	5		1332		9oz jar/ 4 VOAs				X	X				X	X	
24	B37-5			1342		6" sleeve/ 4 VOAs				X	X				X	X	
25	B37-10			1344		↓				X	X				X	X	
26	B37-15	↓		1346		9oz jar/ 4 VOAs				X	X				X	X	
27	B36-0.5	6		1420		9oz & 4oz jar/ 4 VOAs					X	X		X	X	X	
28	B36-2.5	↓	↓	1423	↓	↓					X	X		X	X	X	

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By: Aileen Chea	Date: 4/5/23	Received For OCA By:	Date: 4/5/23
	Time: 1751		Time: 1751
Company: Ninyo & Moore		Company: OCAA	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: Intact: _____ On Ice: Yes / No @ _____ °C

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Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.

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Phoenix, AZ 85040
Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 27827 Page: 3 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	Aileen Chea / Skylar Lee

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,mo by EPA 8015B	REMARKS / INSTRUCTIONS
29	B36-5	6	4/5/23	1440	SS	9oz & 4oz jar/ 4 VOAs											HOLD
30	B36-10	↓		1442		↓											HOLD
31	B43-0.5	1		1515		9oz jar				X	X					X	
32	B43-2.5	5		1520		9oz jar/ 4 VOAs				X	X				X	X	
33	B43-5			1528		6" sleeve/ 4 VOAs				X	X				X	X	
34	B43-10			1530		↓				X	X				X	X	
35	B43-15	↓	↓	1535	↓	9oz jar/ 4 VOAs				X	X				X	X	
				AC @ 4/5/23													

No. of Samples: 7 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By: Aileen Chea	Date: 4/5/23	Received For OCA By:	Date: 4/5/23
	Time: 1751		Time: 1751
Company: Ninyo & Moore		Company: OCAA	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity:

Intact: _____ On Ice: Yes / No @ _____ °C

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Sample Receipt Report

Laboratory Reference: **NAM 27827** Logged in by: MM

Received:	04/05/23 17:51	Company Name:	Ninyo & Moore
Method of Shipment:	Hand Delivered	Project Manager:	Mr. Dennis Fee
Shipping Container:	Cooler	Project Name:	LAUSD 49th Street PEA
# Shipping Containers:	2	Project #:	211936010

Sample Quantity
35 Soil

Chain of Custody	Complete ☑	Incomplete ☐	None ☐
Samples On Ice	Yes, Wet ☑	Yes, Blue ☐	No ☐
Observed Temp. (°C):	Thermometer ID:	Adjusted Temp.:	
Shipping Intact	Yes ☐	N/A ☑	No ☐
Shipping Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Samples Intact	Yes ☑		No ☐
Sample Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated	Yes ☐	N/A ☑	No ☐
Proper Test Containers	Yes ☑		No ☐
Proper Test Preservations	Yes ☑		No ☐
Samples Within Hold Times	Yes ☑		No ☐
VOAs Have Zero Headspace	Yes ☐	N/A ☑	No ☐
Sample Labels	Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC	Yes ☑	N/A ☐	No ☐

Notes

2 coolers at 3 and 1 °C IR#3 correction =+0 °C

Client Notified _____ By _____ On _____

Orange Coast Analytical, Inc.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.:2576
Expiration Date: 2023
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:
Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 27827B
Project Name:	LAUSD 49th Street PEA
Project Number:	211936010
Date Received:	4/25/2023
Date Reported:	4/26/2023
Chain of Custody Received:	☑
Analytical Method:	6010B,

Mark Noorani, Laboratory Director

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Rev1.0

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27827B
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at ºC, on ice.

2 coolers at 3 and 1 °C IR#3 correction =+0 °C

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27827B
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B34-5	27827-002	4/5/2023	4/5/2023	Soil

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27827B
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B34-5	27827-002	4/5/2023 17:51	4/5/2023 8:20	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Lead	6010B	3.2	mg/kg	04/25/23 12:45	04/26/23 12:49	--	1

Method Blank — Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBHV0424232	Lead	6010B	<0.80	mg/kg	04/24/23 13:30	04/25/23 11:50	--	1

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QA/QC Report
for
Metals

Reference #: NAM 27827B

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B**

Laboratory Sample #: 27859-001 **Date of Extraction:** 04/24/23 13:30

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Lead	04/25/23 12:00	04/25/23 12:10	62.0	20.0	30.5	30.0	0	0	2	75-125	20	M3,

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **6010B**

Laboratory Sample #: HV0424232 **Date of Extraction:** 04/24/23 13:30

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Lead	04/25/23 11:54	04/25/23 11:57	--	20.0	18.6	17.3	93	86	7	80-120	20	--

Data Qualifier Definitions

Qualifier

M3 = The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The associated blank spike recovery was acceptable.

27859-001	6010B	Lead	MS/MSD

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Miriam Molina

From: Dennis Fee <dfee@ninyoandmoore.com>
Sent: Tuesday, April 25, 2023 11:49 AM
To: Miriam Molina
Cc: ocalab@sbcglobal.net
Subject: RE: Report and Invoice-NAM 27827 LAUSD 49th Street PEA Rev1.0 (CRVI INCLUDED)

Hi Miriam,

I have one more round of analyses for 49th Street PEA. Please analyze the following samples on 2-day rush TAT so we have results by end of day Thursday:

- B4-W2-0.5: Arsenic STLC & TCLP -27815-021
- B34-5: Lead by EPA 6010B - 27827-002

Thanks,

Dennis Fee, EIT
Senior Project Engineer
Ninyo & Moore | Geotechnical & Environmental Sciences Consultants
475 Goddard, Suite 200 | Irvine, CA 92618
949.753.7070 (**x12210**) | 714.926.4048 (Cell)
35+ Years of Quality Service | ninyoandmoore.com

From: Miriam Molina <miriamm@ocalab.com>
Sent: Tuesday, April 18, 2023 11:00 AM
To: Dennis Fee <dfee@ninyoandmoore.com>
Cc: ocalab@sbcglobal.net
Subject: RE: Report and Invoice-NAM 27827 LAUSD 49th Street PEA Rev1.0 (CRVI INCLUDED)

Sorry counted wrong- we'll aim for Friday but due to the rotation and prep time it looks we'll have the results on Monday.

ORANGE COAST ANALYTICAL, INC.
Miriam Molina | Project Manager
3002 Dow Ave. Ste. 532 Tustin, CA, 92780
Office: 714-832-0064 Cell: 714-721-5914 (Call/Text)
miriamm@ocalab.com

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From: Dennis Fee [mailto:dfee@ninyoandmoore.com]
Sent: Tuesday, April 18, 2023 10:54 AM
To: Miriam Molina <miriamm@ocalab.com>
Cc: ocalab@sbcglobal.net
Subject: RE: Report and Invoice-NAM 27827 LAUSD 49th Street PEA Rev1.0 (CRVI INCLUDED)

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.

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Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 27827 Page: 1 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	Aileen Chea / Skylar Lee

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,mo by EPA 8015B	REMARKS / INSTRUCTIONS
1	B34-2.5	5	4/5/23	0800	SS	9oz jar / 4 VOAs			X		X				X	X	
2	B34-5			0820													HOLD
3	B34-10			0830					X		X				X	X	[redacted] AC 4/5/23
4	B35-2.5			0910					X		X				X	X	
5	B35-5			0923		6" Sleeve / 4 VOAs											HOLD
6	B35-10			0925					X		X				AC	X	[redacted] AC 4/5/23
7	B46-0.5	1		0958		9oz jar					X				[redacted]	X	
8	B46-2.5	5		1000		9oz jar / 4 VOAs					X				X	X	
9	B46-5			1013		6" Sleeve / 4 VOAs					X				X	X	[redacted] AC 4/5/23
10	B46-10			1015							X				X	X	[redacted] AC 4/5/23
11	B46-15			1025													HOLD
12	B39-0.5	1		1049		9oz jar				X	X					X	
13	B39-2.5	5		1052		9oz jar / 4 VOAs				X	X				X	X	
14	B39-5			1100		6" Sleeve / 4 VOAs				X	X				X	X	

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME
Standard: X
72 Hour:
48 Hour:
24 Hour:

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: / Date: / Time: / Company:	Received By: / Date: / Time: / Company:	Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other 2 coolers
Relinquished By: / Date: / Time: / Company:	Received By: / Date: / Time: / Company:	
Relinquished By: Aileen Chea / Date: 4/5/23 / Time: 1751 / Company: Ninyo & Moore	Received For OCA By: / Date: 4/5/23 / Time: 1751 / Company: OCAA	Sample Integrity: / Intact: ✓ / On Ice: (Yes) No @ IR#3 @3.1°C

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Analysis Request & Chain of Custody Record

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Lab Job No.: 27824 Page: 2 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard	Address (City / State):	Los Angeles, CA
	Irvine, CA 92618	EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	Aileen Chea / Skylar Lee

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME: Standard: X; 72 Hour: ; 48 Hour: ; 24 Hour:

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,mo by EPA 8015B	REMARKS / INSTRUCTIONS
15	B39-10	5	4/5/23	1102	SS	6" sleeve/4 VOAs				X	X				X	X	
16	B39-15	↓		1105		↓				X	X				X	X	
17	B38-0.5	1		1237		9oz jar				X	X					X	
18	B38-2.5	5		1239		9oz jar/4 VOAs				X	X				X	X	
19	B38-5			AC 1253		6" sleeve/4 VOAs				X	X				X	X	
20	B38-10			1255						X	X				X	X	
21	B38-15	↓		1258		↓				X	X				X	X	
22	B37-0.5	1		1326		9oz jar				X	X					X	
23	B37-2.5	5		1332		9oz jar/4 VOAs				X	X				X	X	
24	B37-5			1342		6" sleeve/4 VOAs				X	X				X	X	
25	B37-10			1344		↓				X	X				X	X	
26	B37-15	↓		1346		9oz jar/4 VOAs				X	X				X	X	
27	B36-0.5	6		1420		9oz & 4oz jar/4 VOAs					X	X		X	X	X	
28	B36-2.5	↓	↓	1423	↓	↓					X			X	X	X	

No. of Samples: 14 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date: / Time:	Received By:	Date: / Time:
Company:		Company:	
Relinquished By:	Date: / Time:	Received By:	Date: / Time:
Company:		Company:	
Relinquished By: Aileen Chea	Date: 4/5/23 Time: 1751	Received For OCA By:	Date: 4/5/23 Time: 1751
Company: Ninyo & Moore		Company: OCA	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: Intact: ____ On Ice: Yes / No @ ____ °C

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Analysis Request & Chain of Custody Record

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Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 27827 Page: 3 of 3

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard	Address (City / State):	Los Angeles, CA
	Irvine, CA 92618	EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	Aileen Chea / Skylar Lee

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Lead by EPA 6010B	Arsenic by EPA 6010B	OCPs by EPA 8081A	PCBs by EPA 8082	Title 22 Metals by EPA 6010B/7471A	Hexavalent Chromium by EPA 7199	Asbestos by PLM	PAHs by EPA 8270-SIM	VOCs by EPA 8260B	TPH-g,d,mo by EPA 8015B	REMARKS / INSTRUCTIONS
29	B36-5	6	4/5/23	1440	SS	9oz & 4oz jar 4 VOAs											HOLD
30	B36-10	↓	↓	1442	↓	↓											HOLD
31	B43-0.5	1		1515		9oz jar				X	X					X	
32	B43-2.5	5		1520		9oz jar/ 4 VOAs				X	X				X	X	
33	B43-5			1528		6" sleeve/ 4 VOAs				X	X				X	X	
34	B43-10			1530		↓				X	X				X	X	
35	B43-15	↓	↓	1535	↓	9oz jar/ 4 VOAs				X	X				X	X	

REQUESTED TURN-AROUND-TIME
Standard: X
72 Hour:
48 Hour:
24 Hour:

No. of Samples: 7 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date: / Time:	Received By:	Date: / Time:
Company:		Company:	
Relinquished By:	Date: / Time:	Received By:	Date: / Time:
Company:		Company:	
Relinquished By: Aileen Chea	Date: 4/5/23 Time: 1751	Received For OCA By:	Date: 4/5/23 Time: 1751
Company: Ninyo & Moore		Company: OCAA	

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: Intact: ____ On Ice: Yes / No @ ____ °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Sample Receipt Report

Laboratory Reference: **NAM 27827** Logged in by: MM

Received:	04/05/23 17:51	Company Name:	Ninyo & Moore
Method of Shipment:	Hand Delivered	Project Manager:	Mr. Dennis Fee
Shipping Container:	Cooler	Project Name:	LAUSD 49th Street PEA
# Shipping Containers:	2	Project #:	211936010

Sample Quantity
35 Soil

Chain of Custody	Complete ☑	Incomplete ☐	None ☐	
Samples On Ice	Yes, Wet ☑	Yes, Blue ☐	No ☐	
Observed Temp. (°C):		Thermometer ID:	Adjusted Temp.:	
Shipping Intact	Yes ☐	N/A ☑	No ☐	
Shipping Custody Seals Intact	Yes ☐	N/A ☑	No ☐	
Samples Intact	Yes ☑		No ☐	
Sample Custody Seals Intact	Yes ☐	N/A ☑	No ☐	
Custody Seals Signed & Dated	Yes ☐	N/A ☑	No ☐	
Proper Test Containers	Yes ☑		No ☐	
Proper Test Preservations	Yes ☑		No ☐	
Samples Within Hold Times	Yes ☑		No ☐	
VOAs Have Zero Headspace	Yes ☐	N/A ☑	No ☐	
Sample Labels	Complete ☑	Incomplete ☐	None ☐	
Sample Information Matches COC	Yes ☑	N/A ☐	No ☐	

Notes

2 coolers at 3 and 1 °C IR#3 correction =+0 °C

Client Notified _____ By _____ On _____

Orange Coast Analytical, Inc.
3002 Dow, Suite 532, Tustin, CA 92780 (714) 832-0064 Fax (714) 832-0067
4620 E. Elwood, Suite 4, Phoenix, AZ 85040 (480) 736-0960 Fax (480) 736-0970

LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.:2576
Expiration Date: 2023
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:
Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 27828
Project Name:	LAUSD 49th Street PEA
Project Number:	211936010
Date Received:	4/5/2023
Date Reported:	4/14/2023
Chain of Custody Received:	☑
Analytical Method:	8015B, 8260B, 6010B, 7471A,

Mark Noorani, Laboratory Director

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Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27828
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at ºC, on ice.

2 coolers at 0 and 1 °C IR#3 correction =+0 °C

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27828
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
WC-040523	27828-001	4/5/2023	4/5/2023	Soil

Mr. Dennis Fee
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Irvine, CA, 92618

Lab Reference #: NAM 27828
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Extractable Fuel Hydrocarbons (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
WC-040523	27828-001	4/5/2023 17:51	4/5/2023 15:55	4/6/2023 16:00	4/13/2023 18:07	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	150	Octacosane	121
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
WC-040523	27828-001	4/5/2023 17:51	4/5/2023 15:55	4/6/2023 16:00	4/13/2023 18:07	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	880	Octacosane	121
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBLY0406233			4/6/2023 16:00	4/11/2023 18:06	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
DROs	<10	Octacosane	104
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBLY0406233			4/6/2023 16:00	4/11/2023 18:06	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
MROs	<50	Octacosane	104
		* Acc Recovery:	40-160 %

Dilution Factor: 1
Data Qualifiers: None

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Lab Reference #: NAM 27828
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Gasoline Range Organics - GROs (EPA 8015B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
WC-040523	27828-001	4/5/2023 17:51	4/5/2023 15:55	4/11/2023 9:30	4/11/2023 12:26	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	95

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBLY0411231			4/11/2023 9:30	4/11/2023 10:44	Soil

ANALYTE	mg/kg	Surrogate:	% RC*
GROs[1]	<0.20	α-α-α-Trifluorotoluene	93

Dilution Factor: 1
Data Qualifiers: None

* Acceptable Recovery: 32-153 %

Gasoline Range Organics (GROs) are quantitated against a gasoline standard.

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Lab Reference #: NAM 27828
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
WC-040523	27828-001	4/5/2023 17:51	4/5/2023 15:55	4/6/2023 11:45	4/7/2023 16:32	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	88	65-130 %
Toluene-d8:	84	58-130 %
4-Bromofluorobenzene:	89	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 27828
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Volatile Organics by GC/MS (EPA 8260B)

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Date Extracted	Date Analyzed	Matrix
Method Blank	MBHT0406233			4/6/2023 11:45	4/7/2023 11:34	Soil

ANALYTE	CAS #	µg/kg	ANALYTE	CAS #	µg/kg
t-Amyl methyl ether (TAME)	994-05-8	<10	trans-1,3-Dichloropropene	10061-02-6	<2.5
Benzene	71-43-2	<2.0	Diisopropyl ether (DIPE)	108-20-3	<10
Bromobenzene	108-86-1	<2.5	Ethyl t-butyl ether (ETBE)	637-92-3	<10
Bromochloromethane	74-97-5	<2.5	Ethylbenzene	100-41-4	<2.5
Bromodichloromethane	75-27-4	<2.5	Hexachlorobutadiene	87-68-3	<5.0
Bromoform	75-25-2	<2.5	Isopropylbenzene	98-82-8	<2.5
Bromomethane	74-83-9	<10	4-Isopropyltoluene	99-87-6	<2.5
tert-Butyl alcohol (TBA)	75-65-0	<50	Methyl t-butyl ether (MTBE)	1634-04-4	<5.0
n-Butylbenzene	104-51-8	<2.5	Methylene chloride	75-09-2	<10
sec-Butylbenzene	135-98-8	<2.5	Naphthalene	91-20-3	<2.5
tert-Butylbenzene	98-06-6	<2.5	n-Propylbenzene	103-65-1	<2.5
Carbon tetrachloride	56-23-5	<2.5	Styrene	100-42-5	<2.5
Chlorobenzene	108-90-7	<2.5	1,1,1,2-Tetrachloroethane	630-20-6	<2.5
Chloroethane	75-00-3	<5.0	1,1,2,2-Tetrachloroethane	79-34-5	<2.5
Chloroform	67-66-3	<2.5	Tetrachloroethene	127-18-4	<2.5
Chloromethane	74-87-3	<5.0	Toluene	108-88-3	<2.5
2-Chlorotoluene	95-49-8	<2.5	1,2,3-Trichlorobenzene	87-61-6	<2.5
4-Chlorotoluene	106-43-4	<2.5	1,2,4-Trichlorobenzene	120-82-1	<2.5
Dibromochloromethane	124-48-1	<2.5	1,1,1-Trichloroethane	71-55-6	<2.5
1,2-Dibromo-3-chloropropane	96-12-8	<5.0	1,1,2-Trichloroethane	79-00-5	<2.5
1,2-Dibromoethane	106-93-4	<2.5	Trichloroethene	79-01-6	<2.5
Dibromomethane	74-95-3	<2.5	Trichlorofluoromethane	75-69-4	<5.0
1,2-Dichlorobenzene	95-50-1	<2.5	1,2,3-Trichloropropane	96-18-4	<2.5
1,3-Dichlorobenzene	541-73-1	<2.5	1,2,4-Trimethylbenzene	95-63-6	<2.5
1,4-Dichlorobenzene	106-46-7	<2.5	1,3,5-Trimethylbenzene	108-67-8	<2.5
Dichlorodifluoromethane	75-71-8	<2.5	Vinyl Chloride	75-01-4	<2.5
1,1-Dichloroethane	75-34-3	<2.5	m- & p-Xylenes	179601-23-1	<5.0
1,2-Dichloroethane	107-06-2	<2.5	o-Xylene	95-47-6	<2.5
1,1-Dichloroethene	75-35-4	<2.5			
cis-1,2-Dichloroethene	156-59-2	<2.5			
trans-1,2-Dichloroethene	156-60-5	<2.5			
1,2-Dichloropropane	78-87-5	<2.5			
1,3-Dichloropropane	142-28-9	<2.5			
2,2-Dichloropropane	594-20-7	<2.5			
1,1-Dichloropropene	563-58-6	<2.5			
cis-1,3-Dichloropropene	10061-01-5	<2.5			

Surrogate:	% RC	Acceptable % RC
Dibromofluoromethane:	87	65-130 %
Toluene-d8:	86	58-130 %
4-Bromofluorobenzene:	87	40-135 %

Dilution Factor: 1

Data Qualifiers: None

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Lab Reference #: NAM 27828
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
WC-040523	27828-001	4/5/2023 17:51	4/5/2023 15:55	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/12/23 10:07	--	1
Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/12/23 10:07	--	1
Barium	6010B	120	mg/kg	04/06/23 12:00	04/12/23 10:07	--	1
Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/12/23 10:07	--	1
Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/12/23 10:07	--	1
Chromium	6010B	12	mg/kg	04/06/23 12:00	04/12/23 10:07	--	1
Cobalt	6010B	9.5	mg/kg	04/06/23 12:00	04/12/23 10:07	--	1
Copper	6010B	16	mg/kg	04/06/23 12:00	04/12/23 10:07	--	1
Lead	6010B	15	mg/kg	04/06/23 12:00	04/12/23 10:07	--	1
Mercury	7471A	0.34	mg/kg	04/06/23 16:30	04/11/23 11:36	--	1
Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/12/23 10:07	--	1
Nickel	6010B	11	mg/kg	04/06/23 12:00	04/12/23 10:07	--	1
Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/12/23 10:07	--	1
Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/12/23 10:07	--	1
Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/12/23 10:07	--	1
Vanadium	6010B	37	mg/kg	04/06/23 12:00	04/12/23 10:07	--	1
Zinc	6010B	64	mg/kg	04/06/23 12:00	04/12/23 10:07	--	1

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Lab Reference #: NAM 27828
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR0406234	Antimony	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Arsenic	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Barium	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Beryllium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Cadmium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Chromium	6010B	<0.50	mg/kg	04/06/23 12:00	04/12/23 14:06	--	1
MBIR0406234	Cobalt	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Copper	6010B	<5.0	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Lead	6010B	<0.80	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406236	Mercury	7471A	<0.10	mg/kg	04/06/23 16:30	04/11/23 10:56	--	1
MBIR0406234	Molybdenum	6010B	<1.0	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Nickel	6010B	<1.0	mg/kg	04/06/23 12:00	04/12/23 14:06	--	1
MBIR0406234	Selenium	6010B	<4.8	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Silver	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Thallium	6010B	<2.0	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Vanadium	6010B	<0.50	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1
MBIR0406234	Zinc	6010B	<5.0	mg/kg	04/06/23 12:00	04/10/23 14:14	--	1

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QA/QC Report
for
Extactable Fuel Hydrocarbons (EPA 8015B/8015M)
Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 4/6/2023 16:00
Date of Analysis: 4/11/2023 19:32
Dup Date of Analysis: 4/11/2023 19:53
Laboratory Sample #: 27829-001
MS/MSD Qualifiers: R4,
Reference #: NAM 27828

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
EFH as Diesel	0.00	1000	1040	1300	104	130	22	8-193	20	☑

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
Octacosane	100	128	☐

LCS	LCSD	Qual
99	98	☐

ACP % RC
40-160

Laboratory Control Sample

Date of Extraction: 4/6/2023 16:00
Date of Analysis: 4/11/2023 18:49
Dup Date of Analysis: 4/11/2023 19:10
Laboratory Sample #: LY0406233
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
EFH as Diesel	1000	1030	1010	103	101	2	17-180	42	☐

QA/QC Report
for
Volatile Fuel Hydrocarbons (EPA 8015B)
Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 4/11/2023 9:30
Date of Analysis: 4/11/2023 11:45
Dup Date of Analysis: 4/11/2023 12:06
Laboratory Sample #: 27828-001
MS/MSD Qualifiers: None
Reference #: NAM 27828

Analyte	R	SPC CONC	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
VFH as Gasoline	0.00	0.250	0.123	0.165	49	66	29	20-144	50	☐

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual
α-α-α-Trifluorotoluene	82	84	☐

LCS	LCSD	Qual
111	86	☐

ACP % RC
32-153

Laboratory Control Sample

Date of Extraction: 4/11/2023 9:30
Date of Analysis: 4/11/2023 11:04
Dup Date of Analysis: 4/11/2023 11:25
Laboratory Sample #: LY0411231
LCS Qualifiers: None

Analyte	SPC CONC	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
VFH as Gasoline	0.250	0.168	0.196	67	78	15	38-130	27	☐

QA/QC Report
for
Volatile Organic Compounds (8260B)
Reporting Units: ppb

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Date of Extraction: 4/7/2023 9:26
Date of Analysis: 4/7/2023 12:54
Dup Date of Analysis: 4/7/2023 13:14
Laboratory Sample #: 27829-010
MS/MSD Qualifiers: None
Reference #: NAM 27828

Analyte	R	Spike Conc.	MS	MSD	%MS	%MSD	RPD	ACP %MS	ACP RPD	Qual
Benzene	0.00	10.0	9.55	9.34	96	93	2	70-138	20	--
Chlorobenzene	0.00	10.0	9.67	9.48	97	95	2	70-132	20	--
1,1-Dichloroethene	0.00	10.0	7.13	7.04	71	70	1	46-130	20	--
Toluene	0.00	10.0	9.05	8.78	91	88	3	70-130	20	--
Trichloroethene	0.00	10.0	8.93	8.69	89	87	3	70-135	20	--

Surrogate Recoveries for Spike Samples

Surrogate (%RC)	MS	MSD	Qual	LCS	LCSD	Qual	ACP % RC
Dibromofluoromethane	88	84	☐	88	90	☐	65-130
Toluene-d8	86	80	☐	86	87	☐	58-130
4-Bromofluorobenzene	89	79	☐	89	91	☐	40-135

Laboratory Control Sample (LCS) / Laboratory Control Sample Duplicate (LCSD)

Date of Extraction: 4/7/2023 9:26
Date of Analysis: 4/7/2023 12:14
Dup Date of Analysis: 4/7/2023 12:34
Laboratory Sample #: HT0407231
LCS/LCSD Qualifiers: None

Analyte	Spike Conc.	LCS	LCSD	%LCS	%LCSD	RPD	ACP %LCS	ACP RPD	Qual
Benzene	10.0	9.99	9.59	100	96	4	70-134	20	--
Chlorobenzene	10.0	10.3	9.85	103	99	4	70-130	20	--
1,1-Dichloroethene	10.0	7.82	7.41	78	74	5	48-130	20	--
Toluene	10.0	9.85	9.49	99	95	4	70-130	20	--
Trichloroethene	10.0	9.71	9.00	97	90	8	70-132	20	--

QA/QC Report
for
Metals

Reference #: NAM 27828 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7471A**

Laboratory Sample #: 27827-024 **Date of Extraction:** 04/06/23 12:00

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Antimony	04/10/23 14:31	04/10/23 14:34	0.00	20.0	6.00	4.33	30	22	32	75-125	20	M2, R2,
Arsenic	04/10/23 14:31	04/10/23 14:34	0.00	20.0	21.8	22.0	109	110	1	75-125	20	--
Barium	04/10/23 14:31	04/10/23 14:34	94.0	20.0	122	120	140	130	2	75-125	20	M3,
Beryllium	04/10/23 14:31	04/10/23 14:34	0.00	20.0	20.0	20.0	100	100	0	75-125	20	--
Cadmium	04/10/23 14:31	04/10/23 14:34	0.00	20.0	17.9	18.0	89	90	1	75-125	20	--
Chromium	04/10/23 14:31	04/10/23 14:34	14.0	20.0	35.2	33.6	106	98	5	75-125	20	--
Cobalt	04/10/23 14:31	04/10/23 14:34	9.80	20.0	30.1	28.3	102	92	6	75-125	20	--
Copper	04/10/23 14:31	04/10/23 14:34	13.0	20.0	33.2	33.1	101	100	0	75-125	20	--
Lead	04/10/23 14:31	04/10/23 14:34	3.90	20.0	21.8	22.0	89	90	1	75-125	20	--
Molybdenum	04/10/23 14:31	04/10/23 14:34	0.00	20.0	17.7	17.8	89	89	1	75-125	20	--
Nickel	04/10/23 14:31	04/10/23 14:34	9.60	20.0	31.3	28.8	108	96	8	75-125	20	--
Selenium	04/10/23 14:31	04/10/23 14:34	0.00	20.0	17.0	17.4	85	87	2	75-125	20	--
Silver	04/10/23 14:31	04/10/23 14:34	0.00	20.0	17.6	17.5	88	88	1	75-125	20	--
Thallium	04/10/23 14:31	04/10/23 14:34	0.00	20.0	13.3	13.0	67	65	2	75-125	20	M2,
Vanadium	04/10/23 14:31	04/10/23 14:34	37.0	20.0	57.1	55.4	100	92	3	75-125	20	--
Zinc	04/10/23 14:31	04/10/23 14:34	46.0	20.0	67.6	66.7	108	103	1	75-125	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **6010B/7471A**

Laboratory Sample #: IR0406234 **Date of Extraction:** 04/06/23 12:00

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Antimony	04/10/23 14:17	04/10/23 14:20	--	20.0	20.0	19.5	100	98	3	80-120	20	--
Arsenic	04/10/23 14:17	04/10/23 14:20	--	20.0	20.3	20.0	101	100	1	80-120	20	--
Barium	04/10/23 14:17	04/10/23 14:20	--	20.0	20.6	20.3	103	101	1	80-120	20	--
Beryllium	04/10/23 14:17	04/10/23 14:20	--	20.0	19.5	19.1	98	96	2	80-120	20	--
Cadmium	04/10/23 14:17	04/10/23 14:20	--	20.0	18.8	18.3	94	91	3	80-120	20	--
Chromium	04/10/23 14:17	04/10/23 14:20	--	20.0	21.2	20.5	106	102	3	80-120	20	--
Cobalt	04/10/23 14:17	04/10/23 14:20	--	20.0	21.1	20.6	106	103	2	80-120	20	--
Copper	04/10/23 14:17	04/10/23 14:20	--	20.0	20.4	19.7	102	99	3	80-120	20	--
Lead	04/10/23 14:17	04/10/23 14:20	--	20.0	20.7	19.8	104	99	4	80-120	20	--
Molybdenum	04/10/23 14:17	04/10/23 14:20	--	20.0	19.8	19.3	99	96	3	80-120	20	--
Nickel	04/10/23 14:17	04/10/23 14:20	--	20.0	22.0	21.6	110	108	2	80-120	20	--
Selenium	04/10/23 14:17	04/10/23 14:20	--	20.0	18.8	18.7	94	94	1	80-120	20	--
Silver	04/10/23 14:17	04/10/23 14:20	--	20.0	19.0	18.4	95	92	3	80-120	20	--
Thallium	04/10/23 14:17	04/10/23 14:20	--	20.0	20.3	20.4	101	102	0	80-120	20	--
Vanadium	04/10/23 14:17	04/10/23 14:20	--	20.0	19.8	19.1	99	96	4	80-120	20	--
Zinc	04/10/23 14:17	04/10/23 14:20	--	20.0	21.5	21.0	108	105	2	80-120	20	--

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B/7471A**

Laboratory Sample #: 27827-020 **Date of Extraction:** 04/06/23 16:30

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Mercury	04/11/23 13:24	04/11/23 13:26	0.13	1.00	0.959	0.973	83	84	1	80-120	20	--

QA/QC Report
for
Metals

Reference #: NAM 27828 Reporting units: ppm

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **6010B/7471A**

Laboratory Sample #: IR0406235 **Date of Extraction:** 04/06/23 16:30

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Mercury	04/11/23 10:58	04/11/23 11:00	--	1.00	0.984	0.990	98	99	1	80-120	20	--

Data Qualifier Definitions

Qualifier

M2 = Matrix spike recovery was low, the associated blank spike recovery was acceptable.

27827-024	6010B	Antimony	MS/MSD
27827-024	6010B	Thallium	MS/MSD

M3 = The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to spike level. The associated blank spike recovery was acceptable.

27827-024	6010B	Barium	MS/MSD

R2 = RPD/RSD exceeded the laboratory acceptance limit.

27827-024	6010B	Antimony	MS/MSD

R4 = MS/MSD RPD exceeded the method acceptance limit. Recovery met acceptance criteria.

27829-001	8015B	EFH	MS/MSD

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & Chain of Custody Record

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Lab Job No.: 278128 Page: 1 of 1

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard	Address (City / State):	Los Angeles, CA
	Irvine, CA 92618	EDD Required:	
Phone:	(949) 753-7070 Fax:	Sampled By:	Aileen Chea

Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Title 22 metals by EPA 6010B/7471A	TPH gdmo by EPA 8015B	VOCs by EPA 8260B	REMARKS / INSTRUCTIONS
WC-040523	1	4/5/23	1555	SS	9oz jar	X	X	X	

AC 4/5/23

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME

Standard: X
72 Hour:
48 Hour:
24 Hour:

No. of Samples: 1 Method of Shipment:

Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By:	Date:	Received By:	Date:
	Time:		Time:
Company:		Company:	
Relinquished By:	Date: 4/5/23	Received For OCA By:	Date: 4/5/23
Company: Ninyo & Moore	Time: 1751	Company: OCAA	Time: 1751

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity:

Intact: _____ On Ice: Yes / No @ _____ °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Sample Receipt Report

Laboratory Reference: NAM 27828 Logged in by: MM

Received:	04/05/23 17:51	Company Name:	Ninyo & Moore
Method of Shipment:	Hand Delivered	Project Manager:	Mr. Dennis Fee
Shipping Container:	Cooler	Project Name:	LAUSD 49th Street PEA
# Shipping Containers:	2	Project #:	211936010

Sample Quantity
1 Soil

Chain of Custody	Complete ☑	Incomplete ☐	None ☐
Samples On Ice	Yes, Wet ☑	Yes, Blue ☐	No ☐
Observed Temp. (°C):	Thermometer ID:	Adjusted Temp.:	
Shipping Intact	Yes ☐	N/A ☑	No ☐
Shipping Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Samples Intact	Yes ☑		No ☐
Sample Custody Seals Intact	Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated	Yes ☐	N/A ☑	No ☐
Proper Test Containers	Yes ☑		No ☐
Proper Test Preservations	Yes ☑		No ☐
Samples Within Hold Times	Yes ☑		No ☐
VOAs Have Zero Headspace	Yes ☐	N/A ☑	No ☐
Sample Labels	Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC	Yes ☑	N/A ☐	No ☐

Notes

2 coolers at 0 and 1 °C IR#3 correction =+0 °C

Client Notified _____ By _____ On _____

Orange Coast Analytical, Inc.
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LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.:2576
Expiration Date: 2025
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:
Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 27893
Project Name:	LAUSD 49th Street PEA
Project Number:	211936010
Date Received:	5/6/2023
Date Reported:	5/10/2023
Chain of Custody Received:	☑
Analytical Method:	6010B,

Mark Noorani, Laboratory Director

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Rev1.0

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27893
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 4ºC, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

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Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27893
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B4-W4-0.5	27893-001	5/6/2023	5/6/2023	Soil
B4-W4-2.5	27893-002	5/6/2023	5/6/2023	Soil
B4-W3-0.5	27893-003	5/6/2023	5/6/2023	Soil
B4-W3-2.5	27893-004	5/6/2023	5/6/2023	Soil
B41A-0.5	27893-005	5/6/2023	5/6/2023	Soil
B40A-0.5	27893-006	5/6/2023	5/6/2023	Soil
B34-NE2-0.5	27893-007	5/6/2023	5/6/2023	Soil
B34-NE2-2.5	27893-008	5/6/2023	5/6/2023	Soil
B34-NE-0.5	27893-009	5/6/2023	5/6/2023	Soil
B34-NE-2.5	27893-010	5/6/2023	5/6/2023	Soil
B34-NW-0.5	27893-011	5/6/2023	5/6/2023	Soil
B34-NW2-0.5	27893-012	5/6/2023	5/6/2023	Soil
B34-NW2-2.5	27893-013	5/6/2023	5/6/2023	Soil
B34-SW-0.5	27893-014	5/6/2023	5/6/2023	Soil
B34-SW-2.5	27893-015	5/6/2023	5/6/2023	Soil
B34-SW2-0.5	27893-016	5/6/2023	5/6/2023	Soil
B34-SW2-2.5	27893-017	5/6/2023	5/6/2023	Soil

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Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27893
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B4-W3-0.5	27893-003	5/6/2023 11:50	5/6/2023 8:13	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	53	mg/kg	05/08/23 16:00	05/09/23 13:50	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B41A-0.5	27893-005	5/6/2023 11:50	5/6/2023 8:37	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	89	mg/kg	05/08/23 16:00	05/09/23 13:53	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B34-NE-0.5	27893-009	5/6/2023 11:50	5/6/2023 9:21	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Lead	6010B	30	mg/kg	05/08/23 16:00	05/09/23 13:56	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B34-NE-2.5	27893-010	5/6/2023 11:50	5/6/2023 9:26	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Lead	6010B	360	mg/kg	05/08/23 16:00	05/09/23 14:00	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B34-SW-0.5	27893-014	5/6/2023 11:50	5/6/2023 9:50	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Lead	6010B	17	mg/kg	05/08/23 16:00	05/09/23 14:03	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B34-SW-2.5	27893-015	5/6/2023 11:50	5/6/2023 9:54	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Lead	6010B	5.8	mg/kg	05/08/23 16:00	05/09/23 14:06	--	1

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Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27893
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
Method Blank				Soil

MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBIR0508233	Arsenic	6010B	<2.0	mg/kg	05/08/23 16:00	05/09/23 13:27	--	1
MBIR0508233	Lead	6010B	<0.80	mg/kg	05/08/23 16:00	05/09/23 13:27	--	1

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QA/QC Report
for
Metals

Reference #: NAM 27893 Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B**

Laboratory Sample #: 27892-001 **Date of Extraction:** 05/08/23 16:00

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Arsenic	05/09/23 13:36	05/09/23 13:38	0.00	20.0	21.9	22.3	109	111	2	75-125	20	--
Lead	05/09/23 13:36	05/09/23 13:38	3.70	20.0	23.6	24.3	100	103	3	75-125	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **6010B**

Laboratory Sample #: IR0508233 **Date of Extraction:** 05/08/23 16:00

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Arsenic	05/09/23 13:30	05/09/23 13:33	--	20.0	21.8	22.5	109	113	3	80-120	20	--
Lead	05/09/23 13:30	05/09/23 13:33	--	20.0	22.4	22.8	112	114	2	80-120	20	--

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC. www.ocalab.com

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Lab Job No.: 27893 Page: 1 of 2

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard	Address (City / State):	Los Angeles, CA
	Irvine, CA 92618	EDD Required:	scribeEDD
Phone:	(949) 753-7070 Fax:	Sampled By:	Aileen Chea

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME
Standard: ____
72 Hour: X
48 Hour: ____
24 Hour: ____

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Arsenic by EPA 6010B	Lead by EPA 6010B	REMARKS / INSTRUCTIONS
1	B4-W4-0.5	1	5/6/23	0803	SS	9oz jar			HOLD
2	B4-W4-2.5			0806					HOLD
3	B4-W3-0.5			0813			X		
4	B4-W3-2.5			0815					HOLD
5	B41A-0.5			0837			X		
6	B40A-0.5			0848					HOLD
7	B34-NE2-0.5			0908					HOLD
8	B34-NE2-2.5			0917					HOLD
9	B34-NE-0.5			0921				X	
10	B34-NE-2.5			0926				X	
11	B34-NW-0.5			0931					HOLD
12	B34-NW2-0.5			0938					HOLD
13	B34-NW2-2.5			0944					HOLD
14	B34-SW-0.5			0950				X	

No. of Samples: 14 Method of Shipment: Preservative: (1 = Ice) 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: Aileen Chea/ Date: 5/6/23 Time: 1150 Company: Ninyo & Moore	Received By: Date: Time: Company:	Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other	
Relinquished By: Date: Time: Company:	Received By: Date: Time: Company:		
Relinquished By: Date: Time: Company:	Received For OCA By: Mark Date: 5/6/23 Time: 1150 Company: OCA, CA	Sample Integrity: 4.0+0=4.0 °C IR#3 Intact: ____ On Ice: (Yes) No @ ____ °C	

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC.

3002 Dow Avenue, Suite 532
Tustin, CA 92780
Phone: (714) 832-0064 Fax: (714) 832-0067

www.ocalab.com

4620 East Elwood Street, Suite 4
Phoenix, AZ 85040
Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 27893 Page: 2 of 2

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard	Address (City / State):	Los Angeles, CA
	Irvine, CA 92618	EDD Required:	ScribeEDD
Phone:	(949) 753-7070 Fax:	Sampled By:	Aileen Chea

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME
Standard: ____
72 Hour: X
48 Hour: ____
24 Hour: ____

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Arsenic by EPA 6010B	Lead by EPA 6010B	REMARKS / INSTRUCTIONS
15	B34-SW-2.5	1	5/6/23	0954	SS	9oz jar		X	
16	B34-SW2-0.5	↓	↓	1010	↓	↓			HOLD
17	B34-SW2-2.5	↓	↓	1021	↓	↓			HOLD

AC 5/6/23

No. of Samples: 3 Method of Shipment:

Preservative: (1 = Ice) 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: Aileen Chea/ Date: 5/6/23 Time: 1150 Company: Ninyo & Moore	Received By: Date: Time: Company:	Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other	
Relinquished By: Date: Time: Company:	Received By: Date: Time: Company:		
Relinquished By: Date: Time: Company:	Received For OCA By: Mark Date: 5-6-23 Time: 1150 Company: OCA, CA	Sample Integrity: 4.0 to 4.6 °C Intact: ____ On Ice: (Yes) / No @ 4.3 °C	

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Sample Receipt Report

Laboratory Reference: **NAM 27893** Logged in by: MM

Received:	05/06/23 11:50	Company Name:	Ninyo & Moore
Method of Shipment:	Hand Delivered	Project Manager:	Mr. Dennis Fee
Shipping Container:	Cooler	Project Name:	LAUSD 49th Street PEA
# Shipping Containers:	1	Project #:	211936010

Sample Quantity
17 Soil

Chain of Custody		Complete ☑	Incomplete ☐	None ☐
Samples On Ice		Yes, Wet ☑	Yes, Blue ☐	No ☐
Observed Temp. (°C):	4	Thermometer ID: IR#3	Adjusted Temp.:	4+(-0)=4
Shipping Intact		Yes ☐	N/A ☑	No ☐
Shipping Custody Seals Intact		Yes ☐	N/A ☑	No ☐
Samples Intact		Yes ☑		No ☐
Sample Custody Seals Intact		Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated		Yes ☐	N/A ☑	No ☐
Proper Test Containers		Yes ☑		No ☐
Proper Test Preservations		Yes ☑		No ☐
Samples Within Hold Times		Yes ☑		No ☐
VOAs Have Zero Headspace		Yes ☐	N/A ☑	No ☐
Sample Labels		Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC		Yes ☑	N/A ☐	No ☐

Notes

Client Notified _____ By _____ On _____

JONES ENVIRONMENTAL, INC.

714-449-9937
562-646-1611

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

10 April 2023

Dennis Fee
Ninyo & Moore
475 Goddard, Suite 200
Irvine, CA 92618

Re: 211936010

Enclosed are the results of analyses for samples received by the laboratory on 04/06/23. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Colby Wakeman
Lab Director

JONES ENVIRONMENTAL, INC.

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
714-449-9937 PHONE
562-646-1611 FAX

Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SV-1-15'	J230852-001	Soil Gas	04/06/2023 08:20	04/06/2023 05:52
SV-1-15' REP	J230852-002	Soil Gas	04/06/2023 08:23	04/06/2023 05:52
SV-1-5'	J230852-003	Soil Gas	04/06/2023 08:37	04/06/2023 05:52
SV-2-5'	J230852-004	Soil Gas	04/06/2023 09:06	04/06/2023 05:52
SV-2-15'	J230852-005	Soil Gas	04/06/2023 09:26	04/06/2023 05:52
SV-3-5'	J230852-006	Soil Gas	04/06/2023 09:35	04/06/2023 05:52
SV-3-15'	J230852-007	Soil Gas	04/06/2023 09:49	04/06/2023 05:52
SV-4-5'	J230852-008	Soil Gas	04/06/2023 10:09	04/06/2023 05:52
SV-4-15'	J230852-009	Soil Gas	04/06/2023 10:18	04/06/2023 05:52
SV-5-5'	J230852-010	Soil Gas	04/06/2023 10:45	04/06/2023 05:52
SV-5-15'	J230852-011	Soil Gas	04/06/2023 11:05	04/06/2023 05:52
SV-6-5'	J230852-012	Soil Gas	04/06/2023 11:17	04/06/2023 05:52
SV-6-15'	J230852-013	Soil Gas	04/06/2023 11:34	04/06/2023 05:52

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Colby Wakeman
Lab Director

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

DETECTIONS SUMMARY

Sample ID: SV-1-15' **Laboratory ID:** J230852-001

Analyte	Result	Reporting Limit	Units	Method	Notes
Freon 12	44	16	µg/m3	EPA 8260	
Ethylbenzene	31	8	µg/m3	EPA 8260	
Tetrachloroethene	20	8	µg/m3	EPA 8260	
Toluene	92	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	22	8	µg/m3	EPA 8260	
m,p-Xylene	140	16	µg/m3	EPA 8260	
o-Xylene	41	8	µg/m3	EPA 8260	

Sample ID: SV-1-15' REP **Laboratory ID:** J230852-002

Analyte	Result	Reporting Limit	Units	Method	Notes
Freon 12	42	16	µg/m3	EPA 8260	
Ethylbenzene	32	8	µg/m3	EPA 8260	
Tetrachloroethene	26	8	µg/m3	EPA 8260	
Toluene	82	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	20	8	µg/m3	EPA 8260	
m,p-Xylene	135	16	µg/m3	EPA 8260	
o-Xylene	39	8	µg/m3	EPA 8260	

Sample ID: SV-1-5' **Laboratory ID:** J230852-003

Analyte	Result	Reporting Limit	Units	Method	Notes
Freon 12	32	16	µg/m3	EPA 8260	
Ethylbenzene	13	8	µg/m3	EPA 8260	
Tetrachloroethene	27	8	µg/m3	EPA 8260	
Toluene	46	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	9	8	µg/m3	EPA 8260	
m,p-Xylene	52	16	µg/m3	EPA 8260	
o-Xylene	15	8	µg/m3	EPA 8260	

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

DETECTIONS SUMMARY

Sample ID: SV-2-5' **Laboratory ID:** J230852-004

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	28	8	µg/m3	EPA 8260	
Toluene	39	8	µg/m3	EPA 8260	
m,p-Xylene	25	16	µg/m3	EPA 8260	
o-Xylene	8	8	µg/m3	EPA 8260	

Sample ID: SV-2-15' **Laboratory ID:** J230852-005

Analyte	Result	Reporting Limit	Units	Method	Notes
Freon 12	18	16	µg/m3	EPA 8260	
Tetrachloroethene	26	8	µg/m3	EPA 8260	
Toluene	22	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	11	8	µg/m3	EPA 8260	
m,p-Xylene	26	16	µg/m3	EPA 8260	

Sample ID: SV-3-5' **Laboratory ID:** J230852-006

Analyte	Result	Reporting Limit	Units	Method	Notes
Ethylbenzene	10	8	µg/m3	EPA 8260	
Tetrachloroethene	16	8	µg/m3	EPA 8260	
Toluene	59	8	µg/m3	EPA 8260	
m,p-Xylene	37	16	µg/m3	EPA 8260	
o-Xylene	12	8	µg/m3	EPA 8260	

Sample ID: SV-3-15' **Laboratory ID:** J230852-007

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	26	8	µg/m3	EPA 8260	
Toluene	29	8	µg/m3	EPA 8260	
m,p-Xylene	20	16	µg/m3	EPA 8260	

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Lab Director

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

DETECTIONS SUMMARY

Sample ID: SV-4-5' **Laboratory ID:** J230852-008

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	30	8	µg/m3	EPA 8260	
Toluene	22	8	µg/m3	EPA 8260	

Sample ID: SV-4-15' **Laboratory ID:** J230852-009

Analyte	Result	Reporting Limit	Units	Method	Notes
Ethylbenzene	14	8	µg/m3	EPA 8260	
Tetrachloroethene	23	8	µg/m3	EPA 8260	
Toluene	57	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	10	8	µg/m3	EPA 8260	
m,p-Xylene	50	16	µg/m3	EPA 8260	
o-Xylene	16	8	µg/m3	EPA 8260	

Sample ID: SV-5-5' **Laboratory ID:** J230852-010

Analyte	Result	Reporting Limit	Units	Method	Notes
Freon 12	69	16	µg/m3	EPA 8260	
Ethylbenzene	15	8	µg/m3	EPA 8260	
Tetrachloroethene	38	8	µg/m3	EPA 8260	
Toluene	44	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	14	8	µg/m3	EPA 8260	
m,p-Xylene	73	16	µg/m3	EPA 8260	
o-Xylene	22	8	µg/m3	EPA 8260	

Sample ID: SV-5-15' **Laboratory ID:** J230852-011

Analyte	Result	Reporting Limit	Units	Method	Notes
Freon 12	82	16	µg/m3	EPA 8260	
Ethylbenzene	19	8	µg/m3	EPA 8260	
Tetrachloroethene	91	8	µg/m3	EPA 8260	

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Lab Director

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

DETECTIONS SUMMARY

Sample ID: SV-5-15' **Laboratory ID:** J230852-011

Analyte	Result	Reporting Limit	Units	Method	Notes
Toluene	60	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	16	8	µg/m3	EPA 8260	
m,p-Xylene	71	16	µg/m3	EPA 8260	
o-Xylene	21	8	µg/m3	EPA 8260	

Sample ID: SV-6-5' **Laboratory ID:** J230852-012

Analyte	Result	Reporting Limit	Units	Method	Notes
Ethylbenzene	12	8	µg/m3	EPA 8260	
Tetrachloroethene	87	8	µg/m3	EPA 8260	
Toluene	51	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	10	8	µg/m3	EPA 8260	
m,p-Xylene	49	16	µg/m3	EPA 8260	
o-Xylene	15	8	µg/m3	EPA 8260	

Sample ID: SV-6-15' **Laboratory ID:** J230852-013

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	64	8	µg/m3	EPA 8260	
Toluene	33	8	µg/m3	EPA 8260	
1,2,4-Trimethylbenzene	10	8	µg/m3	EPA 8260	
m,p-Xylene	34	16	µg/m3	EPA 8260	
o-Xylene	11	8	µg/m3	EPA 8260	

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Lab Director

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-1-15'
J230852-001(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	44	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	31	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	8	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	ND	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	20	8	µg/m3	"	"		"	"	
Toluene	92	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	22	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

Jones Environmental, Inc.



Colby Wakeman
Lab Director

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562-646-1611 FAX

Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-1-15'
J230852-001(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
m,p-Xylene	140	16	µg/m3	"	"		"	"	
o-Xylene	41	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*100.58 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*92.82 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*100.85 %*	*60 - 140*							

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Lab Director

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714-449-9937 PHONE
562-646-1611 FAX

Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-1-15' REP
J230852-002(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	42	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	32	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	8	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	ND	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	26	8	µg/m3	"	"		"	"	
Toluene	82	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	20	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-1-15' REP
J230852-002(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
m,p-Xylene	135	16	µg/m3	"	"		"	"	
o-Xylene	39	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*103.58 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*93.21 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*99.56 %*	*60 - 140*							

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-1-5'
J230852-003(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	32	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	13	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	8	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	ND	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	27	8	µg/m3	"	"		"	"	
Toluene	46	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	9	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-1-5'
J230852-003(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
m,p-Xylene	52	16	µg/m3	"	"		"	"	
o-Xylene	15	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	

Surrogate: Toluene-d8	*101.89 %*	*60 - 140*
Surrogate: Dibromofluoromethane	*93.63 %*	*60 - 140*
Surrogate: 4-Bromofluorobenzene	*97.38 %*	*60 - 140*

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-2-5'
J230852-004(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	ND	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	8	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	ND	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	28	8	µg/m3	"	"		"	"	
Toluene	39	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-2-5'
J230852-004(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
m,p-Xylene	25	16	µg/m3	"	"		"	"	
o-Xylene	8	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	

Surrogate: Toluene-d8	*102.75 %*	*60 - 140*
Surrogate: Dibromofluoromethane	*94.43 %*	*60 - 140*
Surrogate: 4-Bromofluorobenzene	*98.77 %*	*60 - 140*

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-2-15'
J230852-005(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	18	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	ND	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	8	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	ND	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	26	8	µg/m3	"	"		"	"	
Toluene	22	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	11	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-2-15'
J230852-005(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
m,p-Xylene	26	16	µg/m3	"	"		"	"	
o-Xylene	ND	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*101.60 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*91.39 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*97.77 %*	*60 - 140*							

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-3-5'
J230852-006(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	10	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	8	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	ND	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	16	8	µg/m3	"	"		"	"	
Toluene	59	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-3-5'
J230852-006(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
m,p-Xylene	37	16	µg/m3	"	"		"	"	
o-Xylene	12	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*103.40 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*92.62 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*98.60 %*	*60 - 140*							

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11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-3-15'
J230852-007(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	ND	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	8	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	ND	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	26	8	µg/m3	"	"		"	"	
Toluene	29	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-3-15'
J230852-007(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
m,p-Xylene	20	16	µg/m3	"	"		"	"	
o-Xylene	ND	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*102.43 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*92.12 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*95.45 %*	*60 - 140*							

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-4-5'
J230852-008(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	ND	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	8	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	ND	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	30	8	µg/m3	"	"		"	"	
Toluene	22	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-4-5'
J230852-008(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
m,p-Xylene	ND	16	µg/m3	"	"		"	"	
o-Xylene	ND	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*102.47 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*92.61 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*97.04 %*	*60 - 140*							

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-4-15'
J230852-009(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	14	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	8	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	ND	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	23	8	µg/m3	"	"		"	"	
Toluene	57	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	10	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-4-15'
J230852-009(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
m,p-Xylene	50	16	µg/m3	"	"		"	"	
o-Xylene	16	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	

Surrogate: Toluene-d8	*101.78 %*	*60 - 140*
Surrogate: Dibromofluoromethane	*92.98 %*	*60 - 140*
Surrogate: 4-Bromofluorobenzene	*97.95 %*	*60 - 140*

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-5-5'
J230852-010(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	69	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	15	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	8	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	ND	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	38	8	µg/m3	"	"		"	"	
Toluene	44	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	14	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-5-5'
J230852-010(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
m,p-Xylene	73	16	µg/m3	"	"		"	"	
o-Xylene	22	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*103.54 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*88.70 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*97.97 %*	*60 - 140*							

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Lab Director

JONES ENVIRONMENTAL, INC.

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
714-449-9937 PHONE
562-646-1611 FAX

Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-5-15'
J230852-011(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	82	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	19	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	8	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	ND	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	91	8	µg/m3	"	"		"	"	
Toluene	60	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	16	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-5-15'
J230852-011(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
m,p-Xylene	71	16	µg/m3	"	"		"	"	
o-Xylene	21	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	

Surrogate: Toluene-d8	*101.57 %*	*60 - 140*
Surrogate: Dibromofluoromethane	*90.75 %*	*60 - 140*
Surrogate: 4-Bromofluorobenzene	*97.08 %*	*60 - 140*

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-6-5'
J230852-012(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	12	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	8	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	ND	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	87	8	µg/m3	"	"		"	"	
Toluene	51	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	10	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-6-5'
J230852-012(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
m,p-Xylene	49	16	µg/m3	"	"		"	"	
o-Xylene	15	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*104.15 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*90.58 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*96.97 %*	*60 - 140*							

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-6-15'
J230852-013(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Benzene	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"		"	"	
Bromoform	ND	8	µg/m3	"	"		"	"	
n-Butylbenzene	ND	12	µg/m3	"	"		"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"		"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"		"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"		"	"	
Chlorobenzene	ND	8	µg/m3	"	"		"	"	
Chloroform	ND	8	µg/m3	"	"		"	"	
Dibromochloromethane	ND	8	µg/m3	"	"		"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"		"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"		"	"	
Freon 12	ND	16	µg/m3	"	"		"	"	
Freon 11	ND	16	µg/m3	"	"		"	"	
Freon 113	ND	16	µg/m3	"	"		"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"		"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"		"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"		"	"	
Ethylbenzene	ND	8	µg/m3	"	"		"	"	
Isopropylbenzene	ND	8	µg/m3	"	"		"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"		"	"	
Methylene chloride	ND	8	µg/m3	"	"		"	"	
Naphthalene	ND	40	µg/m3	"	"		"	"	
n-Propylbenzene	ND	8	µg/m3	"	"		"	"	
Styrene	ND	8	µg/m3	"	"		"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"		"	"	
Tetrachloroethene	64	8	µg/m3	"	"		"	"	
Toluene	33	8	µg/m3	"	"		"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"		"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"		"	"	
Trichloroethene	ND	8	µg/m3	"	"		"	"	
1,2,4-Trimethylbenzene	10	8	µg/m3	"	"		"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"		"	"	

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

SV-6-15'
J230852-013(Soil Gas)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA 8260									
Vinyl chloride	ND	8	µg/m3	1	QC2304089		04/06/23	EPA 8260	
m,p-Xylene	34	16	µg/m3	"	"		"	"	
o-Xylene	11	8	µg/m3	"	"		"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"		"	"	
Di-isopropylether	ND	40	µg/m3	"	"		"	"	
tert-amylmethylether	ND	40	µg/m3	"	"		"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"		"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"		"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"		"	"	
n-Heptane (LCC)	ND	80	µg/m3	"	"		"	"	
Surrogate: Toluene-d8	*103.23 %*	*60 - 140*							
Surrogate: Dibromofluoromethane	*90.91 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene	*97.26 %*	*60 - 140*							

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562-646-1611 FAX

Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2304089 - EPA 8260										
CCV 1										
Benzene	11	8	%	10		112	80 - 120		120	
Chlorobenzene	11	8	%	10		112	80 - 120		120	
1,1-Dichloroethene	11	8	%	10		112	80 - 120		120	
cis-1,2-Dichloroethene	11	8	%	10		113	80 - 120		120	
Ethylbenzene	11	8	%	10		109	80 - 120		120	
Tetrachloroethene	10	8	%	10		101	80 - 120		120	
Toluene	12	8	%	10		117	80 - 120		120	
1,1,1-Trichloroethane	8	8	%	10		84	80 - 120		120	
Trichloroethene	10	8	%	10		102	80 - 120		120	
1,2,4-Trimethylbenzene	11	8	%	10		107	80 - 120		120	
Vinyl chloride	12	8	%	10		120	80 - 120		120	
LCS 1										
Benzene	3.13	8	%	2.5		125	70 - 130			
Chlorobenzene	3.04	8	%	2.5		122	70 - 130			
1,1-Dichloroethene	3.13	8	%	2.5		125	60 - 140			
cis-1,2-Dichloroethene	2.99	8	%	2.5		119	70 - 130			
Ethylbenzene	2.86	8	%	2.5		114	70 - 130			
Tetrachloroethene	2.71	8	%	2.5		108	70 - 130			
Toluene	3.22	8	%	2.5		129	70 - 130			
1,1,1-Trichloroethane	2.03	8	%	2.5		81	70 - 130			
Trichloroethene	2.80	8	%	2.5		112	70 - 130			
1,2,4-Trimethylbenzene	2.52	8	%	2.5		101	70 - 130			
Vinyl chloride	2.96	8	%	2.5		119	60 - 140			
Surrogate: Toluene-d8		*104.61 %*	*60 - 140*							
Surrogate: Dibromofluoromethane		*101.10 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene		*100.50 %*	*60 - 140*							
LCSD 1										
Benzene	3.14	8	%	2.5		125	70 - 130	0.06	130	
Chlorobenzene	3.07	8	%	2.5		123	70 - 130	1.07	130	

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2304089 - EPA 8260										
LCSD 1										
1,1-Dichloroethene	3.08	8	%	2.5		123	60 - 140	1.61	140	
cis-1,2-Dichloroethene	3.07	8	%	2.5		123	70 - 130	2.83	130	
Ethylbenzene	2.73	8	%	2.5		109	70 - 130	4.47	130	
Tetrachloroethene	2.61	8	%	2.5		104	70 - 130	3.55	130	
Toluene	3.15	8	%	2.5		126	70 - 130	2.15	130	
1,1,1-Trichloroethane	1.92	8	%	2.5		77	70 - 130	5.45	130	
Trichloroethene	2.97	8	%	2.5		119	70 - 130	6.01	130	
1,2,4-Trimethylbenzene	2.48	8	%	2.5		99	70 - 130	1.67	130	
Vinyl chloride	2.77	8	%	2.5		111	60 - 140	6.91	140	
Surrogate: Toluene-d8		*103.55 %*	*60 - 140*							
Surrogate: Dibromofluoromethane		*97.89 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene		*99.67 %*	*60 - 140*							
Method Blank 1										
Benzene	ND	8	µg/m3							
Bromodichloromethane	ND	8	µg/m3							
Bromoform	ND	8	µg/m3							
n-Butylbenzene	ND	12	µg/m3							
sec-Butylbenzene	ND	12	µg/m3							
tert-Butylbenzene	ND	12	µg/m3							
Carbon tetrachloride	ND	8	µg/m3							
Chlorobenzene	ND	8	µg/m3							
Chloroform	ND	8	µg/m3							
Dibromochloromethane	ND	8	µg/m3							
1,2-Dibromoethane (EDB)	ND	8	µg/m3							
1,2-Dichlorobenzene	ND	16	µg/m3							
1,3-Dichlorobenzene	ND	16	µg/m3							
1,4-Dichlorobenzene	ND	16	µg/m3							
Freon 12	ND	16	µg/m3							
Freon 11	ND	16	µg/m3							
Freon 113	ND	16	µg/m3							
1,1-Dichloroethane	ND	8	µg/m3							
1,2-Dichloroethane	ND	8	µg/m3							
1,1-Dichloroethene	ND	8	µg/m3							
cis-1,2-Dichloroethene	ND	8	µg/m3							
trans-1,2-Dichloroethene	ND	8	µg/m3							

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SANTA FE SPRINGS, CA 90670
714-449-9937 PHONE
562-646-1611 FAX

Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2304089 - EPA 8260										
Method Blank 1										
Ethylbenzene	ND	8	µg/m3							
Isopropylbenzene	ND	8	µg/m3							
4-Isopropyltoluene	ND	8	µg/m3							
Methylene chloride	ND	8	µg/m3							
Naphthalene	ND	40	µg/m3							
n-Propylbenzene	ND	8	µg/m3							
Styrene	ND	8	µg/m3							
1,1,1,2-Tetrachloroethane	ND	8	µg/m3							
1,1,2,2-Tetrachloroethane	ND	16	µg/m3							
Tetrachloroethene	ND	8	µg/m3							
Toluene	ND	8	µg/m3							
1,1,1-Trichloroethane	ND	8	µg/m3							
1,1,2-Trichloroethane	ND	8	µg/m3							
Trichloroethene	ND	8	µg/m3							
1,2,4-Trimethylbenzene	ND	8	µg/m3							
1,3,5-Trimethylbenzene	ND	8	µg/m3							
Vinyl chloride	ND	8	µg/m3							
m,p-Xylene	ND	16	µg/m3							
o-Xylene	ND	8	µg/m3							
Methyl-tert-butylether	ND	40	µg/m3							
Ethyl-tert-butylether	ND	40	µg/m3							
Di-isopropylether	ND	40	µg/m3							
tert-amylmethylether	ND	40	µg/m3							
tert-Butylalcohol	ND	400	µg/m3							
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3							
n-Hexane (LCC)	ND	80	µg/m3							
n-Pentane (LCC)	ND	80	µg/m3							
n-Heptane (LCC)	ND	80	µg/m3							
Surrogate: Toluene-d8		*100.98 %*	*60 - 140*							
Surrogate: Dibromofluoromethane		*97.30 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene		*96.49 %*	*60 - 140*							
Sample Blank 1										
Benzene	ND	8	µg/m3							
Bromodichloromethane	ND	8	µg/m3							
Bromoform	ND	8	µg/m3							

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Lab Director

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2304089 - EPA 8260										
Sample Blank 1										
n-Butylbenzene	ND	12	µg/m3							
sec-Butylbenzene	ND	12	µg/m3							
tert-Butylbenzene	ND	12	µg/m3							
Carbon tetrachloride	ND	8	µg/m3							
Chlorobenzene	ND	8	µg/m3							
Chloroform	ND	8	µg/m3							
Dibromochloromethane	ND	8	µg/m3							
1,2-Dibromoethane (EDB)	ND	8	µg/m3							
1,2-Dichlorobenzene	ND	16	µg/m3							
1,3-Dichlorobenzene	ND	16	µg/m3							
1,4-Dichlorobenzene	ND	16	µg/m3							
Freon 12	ND	16	µg/m3							
Freon 11	ND	16	µg/m3							
Freon 113	ND	16	µg/m3							
1,1-Dichloroethane	ND	8	µg/m3							
1,2-Dichloroethane	ND	8	µg/m3							
1,1-Dichloroethene	ND	8	µg/m3							
cis-1,2-Dichloroethene	ND	8	µg/m3							
trans-1,2-Dichloroethene	ND	8	µg/m3							
Ethylbenzene	ND	8	µg/m3							
Isopropylbenzene	ND	8	µg/m3							
4-Isopropyltoluene	ND	8	µg/m3							
Methylene chloride	ND	8	µg/m3							
Naphthalene	ND	40	µg/m3							
n-Propylbenzene	ND	8	µg/m3							
Styrene	ND	8	µg/m3							
1,1,1,2-Tetrachloroethane	ND	8	µg/m3							
1,1,2,2-Tetrachloroethane	ND	16	µg/m3							
Tetrachloroethene	ND	8	µg/m3							
Toluene	ND	8	µg/m3							
1,1,1-Trichloroethane	ND	8	µg/m3							
1,1,2-Trichloroethane	ND	8	µg/m3							
Trichloroethene	ND	8	µg/m3							
1,2,4-Trimethylbenzene	ND	8	µg/m3							
1,3,5-Trimethylbenzene	ND	8	µg/m3							
Vinyl chloride	ND	8	µg/m3							
m,p-Xylene	ND	16	µg/m3							

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Colby Wakeman
Lab Director

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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2304089 - EPA 8260										
Sample Blank 1										
o-Xylene	ND	8	µg/m3							
Methyl-tert-butylether	ND	40	µg/m3							
Ethyl-tert-butylether	ND	40	µg/m3							
Di-isopropylether	ND	40	µg/m3							
tert-amylmethylether	ND	40	µg/m3							
tert-Butylalcohol	ND	400	µg/m3							
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3							
n-Hexane (LCC)	ND	80	µg/m3							
n-Pentane (LCC)	ND	80	µg/m3							
n-Heptane (LCC)	ND	80	µg/m3							
Surrogate: Toluene-d8		*103.62 %*		*60 - 140*						
Surrogate: Dibromofluoromethane		*93.79 %*		*60 - 140*						
Surrogate: 4-Bromofluorobenzene		*99.86 %*		*60 - 140*						

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Lab Director

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SANTA FE SPRINGS, CA 90670
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Ninyo & Moore	Project: 211936010	
475 Goddard, Suite 200	Project Number: 211936010	Reported
Irvine, CA 92618	Project Manager: Dennis Fee	04/10/23 10:09

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
E	Estimated Concentration; concentration exceeds calibration range.
LCC	Leak Check Compound
1	Recovery outside of acceptable limits. LCS/LCSD recoveries and %RSD were within QC limits, therefore data was accepted.
SMSR	Sample matrix prevented adequate surrogate recovery.
J	Value less than PQL but greater than MDL
HHSR	High hydrocarbon concentration in this sample prevented adequate surrogate recovery.

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Colby Wakeman
Lab Director

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11007 Forest Pl.
Santa Fe Springs, CA 90670
(714) 449-9937
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www.jonesenv.com

Soil-Gas Chain-of-Custody Record

Client: Ninyo & Moore
Project Name: 49th Street Elementary School PEA
Project Address: 750 E. 49th Street, Los Angeles, CA 90011
Email:
Phone:
Report To: Dennis Fee
Sampler: Madison Jones

Date: 4/6/2023
Client Project #: 211936010

Purge Number: ☐ 1P ☒ 3P ☐ 7P ☐ 10P
Shut-In Test: (Y) / N

Report Options: EDD ____ EDF* - 10% Surcharge____ *Global ID _____

Turn Around Requested
- ☐ Immediate Attention
- ☐ Rush 24 Hours
- ☐ Rush 48 Hours
- ☐ Rush 72 Hours
- ☐ Normal
- ☒ Mobile Lab

Tracer
- ☒ n-pentane
- ☒ n-hexane
- ☐ n-propanol
- ☐ Isopropyl Alchohol
- ☐ 1,1-DFA
- ☒ heptane

Reporting Limits: ☒ Standard ☐ Low Level* ☐ MDL* (*surcharge for these limits) Units: mg/m^3

Analysis Requested

LAB USE ONLY
Jones Project #: J230852

Page 1 of 2

Sample Container: GASTIGHT GLASS SYRINGE
If different than above, see Notes.

Sample ID	Purge Number	Purge Volume (mL)	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample ID	Purge Rate (mL/min)	Pump Used	Magnehelic	Sample Matrix: Soil Gas (SG), Air (A), Material (M)	EPA 8260B (VOCs)	GASOLINE RANGE ORGANICS			Magnehelic Vacuum (In/H_2O)	Number of Containers	Notes & Special Instructions
SV-1-15'	3	1470	4/6/23	8:20	8:20	J230852-001	200	SUNNY	118012	SG	X	X			<2	1	
SV-1-15' REP	-	-	4/6/23	8:23	8:35	J230852-002	-	-	118012	SG	X	X			<2	1	
SV-1-5'	3	1310	4/6/23	8:37	8:52	J230852-003	200	ZARAK	M100.007	SG	X	X			<2	1	
SV-2-5'	3	1310	4/6/23	9:06	9:08	J230852-004	200	SUNNY	M100.500	SG	X	X			<2	1	
SV-2-15'	3	1470	4/6/23	9:26	9:27	J230852-005	200	ZARAK	M100.501	SG	X	X			<2	1	
SV-3-5'	3	1310	4/6/23	9:35	9:43	J230852-006	200	SUNNY	118012	SG	X	X			10	1	
SV-3-15'	3	1470	4/6/23	9:49	9:59	J230852-007	200	ZARAK	M100.007	SG	X	X			<2	1	
SV-4-5'	3	1310	4/6/23	10:09	10:16	J230852-008	200	SUNNY	M100.500	SG	X	X			<2	1	
SV-4-15'	3	1470	4/6/23	10:18	10:32	J230852-009	200	ZARAK	M100.501	SG	X	X			<2	1	
SV-5-5'	3	1310	4/6/23	10:45	10:48	J230852-010	200	SUNNY	118012	SG	X	X			<2	1	

Representative Signature	Printed Name	Laboratory Signature	Printed Name		
	Aileen Chea	Madison N. Jones	Madison Jones	10	Total Number of Containers
Company	**Date**	**Time**	**Company**	**Date**	**Time**
Ninyo & Moore	4/6/2023	12:00	JONES ENVIRONMENTAL, INC.	4/6/2023	12:00
Representative Signature	**Printed Name**		**Laboratory Signature**	**Printed Name**	
Company	**Date**	**Time**	**Company**	**Date**	**Time**

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been reqested, and the information provided herein is correct and accurate.

JONES ENVIRONMENTAL, INC.
11007 Forest Pl.
Santa Fe Springs, CA 90670
(714) 449-9937
Fax (714) 449-9685
www.jonesenv.com

Soil-Gas Chain-of-Custody Record

Client: Ninyo & Moore
Project Name: 49th Street Elementary School PEA
Project Address: 750 E. 49th Street, Los Angeles, CA 90011
Email:
Phone:
Report To: Dennis Fee
Sampler: Madison Jones

Date: 4/6/2023
Client Project #: 211936010

Purge Number: ☐ 1P ☒ 3P ☐ 7P ☐ 10P
Shut-In Test: (Y) / N

Report Options: EDD ____ EDF* - 10% Surcharge____ *Global ID _____

Turn Around Requested
- ☐ Immediate Attention
- ☐ Rush 24 Hours
- ☐ Rush 48 Hours
- ☐ Rush 72 Hours
- ☐ Normal
- ☒ Mobile Lab

Tracer
- ☒ n-pentane
- ☒ n-hexane
- ☐ n-propanol
- ☐ Isopropyl Alchohol
- ☐ 1,1-DFA
- ☐ heptane

Reporting Limits
☒ Standard ☐ Low Level* ☐ MDL*
*surcharge for these limits

Units: ug/m³

LAB USE ONLY
Jones Project #: J230852

Page 2 of 2

Sample Container: GASTIGHT GLASS SYRINGE
If different than above, see Notes.

Sample ID	Purge Number	Purge Volume (mL)	Date	Sample Collection Time	Sample Analysis Time	Laboratory Sample ID	Purge Rate (mL/min)	Pump Used	Magnehelic	Sample Matrix: Soil Gas (SG), Air (A), Material (M)	EPA 8260B (VOCs)	GASOLINE RANGE ORGANICS			Magnehelic Vacuum (In/H_2O)	Number of Containers	Notes & Special Instructions
SV-5-15'	3	1470	4/6/23	11:05	11:08	J230852-011	200	ZARAK	M100.007	SG	X	X			<2	1	
SV-6-5'	3	1310	4/6/23	11:17	11:23	J230852-012	200	SUNNY	M100.500	SG	X	X			<2	1	
SV-6-15'	3	1470	4/6/23	11:34	11:39	J230852-013	200	ZARAK	M100.501	SG	X	X			<2	1	

Representative Signature: [signature] **Printed Name:** Aileen Chea
Company: Ninyo & Moore **Date:** 4/6/2023 **Time:** 12:00

Laboratory Signature: [signature] **Printed Name:** Madison Jones
Company: JONES ENVIRONMENTAL, INC. **Date:** 4/6/2023 **Time:** 12:00

Representative Signature: **Printed Name:**
Company: **Date:** **Time:**

Laboratory Signature: **Printed Name:**
Company: **Date:** **Time:**

3 Total Number of Containers

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been reqested, and the information provided herein is correct and accurate.

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Dennis Fee
Ninyo & Moore
475 Goddard St. Suite 200
Irvine, California 92618

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JOB DESCRIPTION

Dioxins_211936010

JOB NUMBER

320-98788-1

Eurofins Sacramento
880 Riverside Parkway
West Sacramento CA 95605

See page two for job notes and contact information.

my EOL

Eurofins Sacramento

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northern California, LLC Project Manager.

Authorization



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Authorized for release by
Linda C. Laver, Senior Project Manager
Linda.Laver@et.eurofinsus.com
(916)374-4362

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Definitions/Glossary

Client: Ninyo & Moore
Project/Site: Dioxins_211936010

Job ID: 320-98788-1

Qualifiers

Dioxin

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ninyo & Moore
Project/Site: Dioxins_211936010

Job ID: 320-98788-1

Job ID: 320-98788-1

Laboratory: Eurofins Sacramento

Narrative

Job Narrative
320-98788-1

Comments
The following samples were submitted on a HOLD basis and canceled on April 27, 2023: B36-2.5 (320-98788-2), B36-5 (320-98788-3) and B36-10 (320-98788-4).

Receipt
The samples were received on 4/11/2023 9:25 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.4º C.

Dioxin
Method 8290A: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for Prep Batch 320-667350 was outside control limits for 1,2,3,7,8,9-HxCDD. The percent recoveries (%Rec) were within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Dioxin Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ninyo & Moore
Project/Site: Dioxins_211936010

Job ID: 320-98788-1

Client Sample ID: B36-0.5

Lab Sample ID: 320-98788-1

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3,7,8,9-HxCDF	0.13	J B q	5.3	0.0029	pg/g	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDD	0.46	J B	5.3	0.0059	pg/g	1	☼	8290A	Total/NA
1,2,3,4,6,7,8-HpCDF	0.29	J B q	5.3	0.0018	pg/g	1	☼	8290A	Total/NA
OCDD	2.3	J B	11	0.0049	pg/g	1	☼	8290A	Total/NA
OCDF	0.47	J B q	11	0.0084	pg/g	1	☼	8290A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Ninyo & Moore
Project/Site: Dioxins_211936010

Job ID: 320-98788-1

Client Sample ID: B36-0.5

Date Collected: 04/05/23 14:20
Date Received: 04/11/23 09:25

Lab Sample ID: 320-98788-1

Matrix: Solid
Percent Solids: 89.7

Method: SW846 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.1	0.0029	pg/g	☼	04/13/23 04:27	04/22/23 01:14	1
2,3,7,8-TCDF	ND		1.1	0.0010	pg/g	☼	04/13/23 04:27	04/22/23 01:14	1
1,2,3,7,8-PeCDD	ND		5.3	0.0050	pg/g	☼	04/13/23 04:27	04/22/23 01:14	1
1,2,3,7,8-PeCDF	ND		5.3	0.0015	pg/g	☼	04/13/23 04:27	04/22/23 01:14	1
2,3,4,7,8-PeCDF	ND		5.3	0.0016	pg/g	☼	04/13/23 04:27	04/22/23 01:14	1
1,2,3,4,7,8-HxCDD	ND		5.3	0.0015	pg/g	☼	04/13/23 04:27	04/22/23 01:14	1
1,2,3,6,7,8-HxCDD	ND		5.3	0.0015	pg/g	☼	04/13/23 04:27	04/22/23 01:14	1
1,2,3,7,8,9-HxCDD	ND	*1	5.3	0.0014	pg/g	☼	04/13/23 04:27	04/22/23 01:14	1
1,2,3,4,7,8-HxCDF	ND		5.3	0.0030	pg/g	☼	04/13/23 04:27	04/22/23 01:14	1
1,2,3,6,7,8-HxCDF	ND		5.3	0.0030	pg/g	☼	04/13/23 04:27	04/22/23 01:14	1
1,2,3,7,8,9-HxCDF	**0.13**	**J B q**	5.3	0.0029	pg/g	☼	04/13/23 04:27	04/22/23 01:14	1
2,3,4,6,7,8-HxCDF	ND		5.3	0.0025	pg/g	☼	04/13/23 04:27	04/22/23 01:14	1
1,2,3,4,6,7,8-HpCDD	**0.46**	**J B**	5.3	0.0059	pg/g	☼	04/13/23 04:27	04/22/23 01:14	1
1,2,3,4,6,7,8-HpCDF	**0.29**	**J B q**	5.3	0.0018	pg/g	☼	04/13/23 04:27	04/22/23 01:14	1
1,2,3,4,7,8,9-HpCDF	ND		5.3	0.0020	pg/g	☼	04/13/23 04:27	04/22/23 01:14	1
OCDD	**2.3**	**J B**	11	0.0049	pg/g	☼	04/13/23 04:27	04/22/23 01:14	1
OCDF	**0.47**	**J B q**	11	0.0084	pg/g	☼	04/13/23 04:27	04/22/23 01:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*66*		*40 - 135*	*04/13/23 04:27*	*04/22/23 01:14*	*1*
13C-2,3,7,8-TCDF	*61*		*40 - 135*	*04/13/23 04:27*	*04/22/23 01:14*	*1*
13C-1,2,3,7,8-PeCDD	*73*		*40 - 135*	*04/13/23 04:27*	*04/22/23 01:14*	*1*
13C-1,2,3,7,8-PeCDF	*70*		*40 - 135*	*04/13/23 04:27*	*04/22/23 01:14*	*1*
13C-2,3,4,7,8-PeCDF	*70*		*40 - 135*	*04/13/23 04:27*	*04/22/23 01:14*	*1*
13C-1,2,3,4,7,8-HxCDD	*67*		*40 - 135*	*04/13/23 04:27*	*04/22/23 01:14*	*1*
13C-1,2,3,6,7,8-HxCDD	*71*		*40 - 135*	*04/13/23 04:27*	*04/22/23 01:14*	*1*
13C-1,2,3,4,7,8-HxCDF	*62*		*40 - 135*	*04/13/23 04:27*	*04/22/23 01:14*	*1*
13C-2,3,4,6,7,8-HxCDF	*67*		*40 - 135*	*04/13/23 04:27*	*04/22/23 01:14*	*1*
13C-1,2,3,6,7,8-HxCDF	*61*		*40 - 135*	*04/13/23 04:27*	*04/22/23 01:14*	*1*
13C-1,2,3,7,8,9-HxCDF	*62*		*40 - 135*	*04/13/23 04:27*	*04/22/23 01:14*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*75*		*40 - 135*	*04/13/23 04:27*	*04/22/23 01:14*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*61*		*40 - 135*	*04/13/23 04:27*	*04/22/23 01:14*	*1*
13C-1,2,3,4,7,8,9-HpCDF	*66*		*40 - 135*	*04/13/23 04:27*	*04/22/23 01:14*	*1*
13C-OCDD	*66*		*40 - 135*	*04/13/23 04:27*	*04/22/23 01:14*	*1*
13C-OCDF	*59*		*40 - 135*	*04/13/23 04:27*	*04/22/23 01:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture (ASTM D 2216)	**10.3**		0.1	0.1	%			04/17/23 21:41	1
Percent Solids (ASTM D 2216)	**89.7**		0.1	0.1	%			04/17/23 21:41	1

Isotope Dilution Summary

Client: Ninyo & Moore
Project/Site: Dioxins_211936010

Job ID: 320-98788-1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TCDD (40-135)	TCDF (40-135)	PeCDD (40-135)	PeCDF (40-135)	PeCF (40-135)	HxCDD (40-135)	HxDD (40-135)	HxCDF (40-135)
320-98788-1	B36-0.5	66	61	73	70	70	67	71	62
LCS 320-667350/2-A	Lab Control Sample	67	69	76	79	62	57	53	65
LCSD 320-667350/3-A	Lab Control Sample Dup	67	63	70	67	67	65	66	61
MB 320-667350/1-A	Method Blank	67	62	72	71	65	60	66	59

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	13CHxCF (40-135)	HxDF (40-135)	HxCF (40-135)	HpCDD (40-135)	HpCDF (40-135)	HpCDF2 (40-135)	OCDD (40-135)	OCDF (40-135)
320-98788-1	B36-0.5	67	61	62	75	61	66	66	59
LCS 320-667350/2-A	Lab Control Sample	73	65	71	74	63	73	76	74
LCSD 320-667350/3-A	Lab Control Sample Dup	66	63	64	76	60	64	64	59
MB 320-667350/1-A	Method Blank	67	58	62	71	55	61	61	53

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD
TCDF = 13C-2,3,7,8-TCDF
PeCDD = 13C-1,2,3,7,8-PeCDD
PeCDF = 13C-1,2,3,7,8-PeCDF
PeCF = 13C-2,3,4,7,8-PeCDF
HxCDD = 13C-1,2,3,4,7,8-HxCDD
HxDD = 13C-1,2,3,6,7,8-HxCDD
HxCDF = 13C-1,2,3,4,7,8-HxCDF
13CHxCF = 13C-2,3,4,6,7,8-HxCDF
HxDF = 13C-1,2,3,6,7,8-HxCDF
HxCF = 13C-1,2,3,7,8,9-HxCDF
HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
HpCDF = 13C-1,2,3,4,6,7,8-HpCDF
HpCDF2 = 13C-1,2,3,4,7,8,9-HpCDF
OCDD = 13C-OCDD
OCDF = 13C-OCDF

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 320-667350/1-A
Matrix: Solid
Analysis Batch: 669567

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 667350

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.0	0.0018	pg/g		04/13/23 04:27	04/21/23 22:49	1
2,3,7,8-TCDF	ND		1.0	0.0014	pg/g		04/13/23 04:27	04/21/23 22:49	1
1,2,3,7,8-PeCDD	ND		5.0	0.0080	pg/g		04/13/23 04:27	04/21/23 22:49	1
1,2,3,7,8-PeCDF	0.361	J	5.0	0.0050	pg/g		04/13/23 04:27	04/21/23 22:49	1
2,3,4,7,8-PeCDF	ND		5.0	0.0063	pg/g		04/13/23 04:27	04/21/23 22:49	1
1,2,3,4,7,8-HxCDD	ND		5.0	0.0090	pg/g		04/13/23 04:27	04/21/23 22:49	1
1,2,3,6,7,8-HxCDD	ND		5.0	0.0087	pg/g		04/13/23 04:27	04/21/23 22:49	1
1,2,3,7,8,9-HxCDD	0.400	J q	5.0	0.0081	pg/g		04/13/23 04:27	04/21/23 22:49	1
1,2,3,4,7,8-HxCDF	0.286	J q	5.0	0.0076	pg/g		04/13/23 04:27	04/21/23 22:49	1
1,2,3,6,7,8-HxCDF	0.320	J q	5.0	0.0078	pg/g		04/13/23 04:27	04/21/23 22:49	1
1,2,3,7,8,9-HxCDF	0.380	J	5.0	0.0069	pg/g		04/13/23 04:27	04/21/23 22:49	1
2,3,4,6,7,8-HxCDF	0.401	J	5.0	0.0063	pg/g		04/13/23 04:27	04/21/23 22:49	1
1,2,3,4,6,7,8-HpCDD	0.539	J	5.0	0.0077	pg/g		04/13/23 04:27	04/21/23 22:49	1
1,2,3,4,6,7,8-HpCDF	0.650	J	5.0	0.0012	pg/g		04/13/23 04:27	04/21/23 22:49	1
1,2,3,4,7,8,9-HpCDF	0.555	J	5.0	0.0013	pg/g		04/13/23 04:27	04/21/23 22:49	1
OCDD	1.99	J q	10	0.014	pg/g		04/13/23 04:27	04/21/23 22:49	1
OCDF	1.02	J	10	0.015	pg/g		04/13/23 04:27	04/21/23 22:49	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*67*		*40 - 135*	*04/13/23 04:27*	*04/21/23 22:49*	*1*
13C-2,3,7,8-TCDF	*62*		*40 - 135*	*04/13/23 04:27*	*04/21/23 22:49*	*1*
13C-1,2,3,7,8-PeCDD	*72*		*40 - 135*	*04/13/23 04:27*	*04/21/23 22:49*	*1*
13C-1,2,3,7,8-PeCDF	*71*		*40 - 135*	*04/13/23 04:27*	*04/21/23 22:49*	*1*
13C-2,3,4,7,8-PeCDF	*65*		*40 - 135*	*04/13/23 04:27*	*04/21/23 22:49*	*1*
13C-1,2,3,4,7,8-HxCDD	*60*		*40 - 135*	*04/13/23 04:27*	*04/21/23 22:49*	*1*
13C-1,2,3,6,7,8-HxCDD	*66*		*40 - 135*	*04/13/23 04:27*	*04/21/23 22:49*	*1*
13C-1,2,3,4,7,8-HxCDF	*59*		*40 - 135*	*04/13/23 04:27*	*04/21/23 22:49*	*1*
13C-2,3,4,6,7,8-HxCDF	*67*		*40 - 135*	*04/13/23 04:27*	*04/21/23 22:49*	*1*
13C-1,2,3,6,7,8-HxCDF	*58*		*40 - 135*	*04/13/23 04:27*	*04/21/23 22:49*	*1*
13C-1,2,3,7,8,9-HxCDF	*62*		*40 - 135*	*04/13/23 04:27*	*04/21/23 22:49*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*71*		*40 - 135*	*04/13/23 04:27*	*04/21/23 22:49*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*55*		*40 - 135*	*04/13/23 04:27*	*04/21/23 22:49*	*1*
13C-1,2,3,4,7,8,9-HpCDF	*61*		*40 - 135*	*04/13/23 04:27*	*04/21/23 22:49*	*1*
13C-OCDD	*61*		*40 - 135*	*04/13/23 04:27*	*04/21/23 22:49*	*1*
13C-OCDF	*53*		*40 - 135*	*04/13/23 04:27*	*04/21/23 22:49*	*1*

Lab Sample ID: LCS 320-667350/2-A
Matrix: Solid
Analysis Batch: 670441

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 667350

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,3,7,8-TCDD	20.0	18.6		pg/g		93	73 - 141
2,3,7,8-TCDF	20.0	19.2		pg/g		96	71 - 153
1,2,3,7,8-PeCDD	100	85.1		pg/g		85	77 - 126
1,2,3,7,8-PeCDF	100	81.4		pg/g		81	72 - 128
2,3,4,7,8-PeCDF	100	90.9		pg/g		91	72 - 127
1,2,3,4,7,8-HxCDD	100	82.6		pg/g		83	73 - 126
1,2,3,6,7,8-HxCDD	100	91.1		pg/g		91	76 - 142
1,2,3,7,8,9-HxCDD	100	106		pg/g		106	70 - 136

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-667350/2-A
Matrix: Solid
Analysis Batch: 670441

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 667350

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2,3,4,7,8-HxCDF			100	89.2		pg/g		89	73 - 127		
1,2,3,6,7,8-HxCDF			100	90.8		pg/g		91	77 - 126		
1,2,3,7,8,9-HxCDF			100	86.9		pg/g		87	77 - 125		
2,3,4,6,7,8-HxCDF			100	88.1		pg/g		88	77 - 126		
1,2,3,4,6,7,8-HpCDD			100	83.2		pg/g		83	79 - 121		
1,2,3,4,6,7,8-HpCDF			100	89.4		pg/g		89	78 - 138		
1,2,3,4,7,8,9-HpCDF			100	85.0		pg/g		85	76 - 123		
OCDD			200	172		pg/g		86	76 - 136		
OCDF			200	182		pg/g		91	75 - 130		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*67*		*40 - 135*
13C-2,3,7,8-TCDF	*69*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*76*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*79*		*40 - 135*
13C-2,3,4,7,8-PeCDF	*62*		*40 - 135*
13C-1,2,3,4,7,8-HxCDD	*57*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*53*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*65*		*40 - 135*
13C-2,3,4,6,7,8-HxCDF	*73*		*40 - 135*
13C-1,2,3,6,7,8-HxCDF	*65*		*40 - 135*
13C-1,2,3,7,8,9-HxCDF	*71*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*74*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*63*		*40 - 135*
13C-1,2,3,4,7,8,9-HpCDF	*73*		*40 - 135*
13C-OCDD	*76*		*40 - 135*
13C-OCDF	*74*		*40 - 135*

Lab Sample ID: LCSD 320-667350/3-A
Matrix: Solid
Analysis Batch: 669567

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 667350

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,3,7,8-TCDD			20.0	18.9		pg/g		95	73 - 141	2	20
2,3,7,8-TCDF			20.0	18.5		pg/g		93	71 - 153	4	20
1,2,3,7,8-PeCDD			100	86.2		pg/g		86	77 - 126	1	20
1,2,3,7,8-PeCDF			100	85.8		pg/g		86	72 - 128	5	20
2,3,4,7,8-PeCDF			100	86.3		pg/g		86	72 - 127	5	20
1,2,3,4,7,8-HxCDD			100	83.4		pg/g		83	73 - 126	1	20
1,2,3,6,7,8-HxCDD			100	84.6		pg/g		85	76 - 142	7	20
1,2,3,7,8,9-HxCDD			100	85.1	*1	pg/g		85	70 - 136	22	20
1,2,3,4,7,8-HxCDF			100	84.5		pg/g		84	73 - 127	5	20
1,2,3,6,7,8-HxCDF			100	85.1		pg/g		85	77 - 126	6	20
1,2,3,7,8,9-HxCDF			100	86.3		pg/g		86	77 - 125	1	20
2,3,4,6,7,8-HxCDF			100	87.4		pg/g		87	77 - 126	1	20
1,2,3,4,6,7,8-HpCDD			100	78.8		pg/g		79	79 - 121	6	20
1,2,3,4,6,7,8-HpCDF			100	87.3		pg/g		87	78 - 138	2	20
1,2,3,4,7,8,9-HpCDF			100	84.1		pg/g		84	76 - 123	1	20
OCDD			200	170		pg/g		85	76 - 136	1	20

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCSD 320-667350/3-A
Matrix: Solid
Analysis Batch: 669567

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 667350

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
OCDF			200	177		pg/g		89	75 - 130	3	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*67*		*40 - 135*
13C-2,3,7,8-TCDF	*63*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*70*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*67*		*40 - 135*
13C-2,3,4,7,8-PeCDF	*67*		*40 - 135*
13C-1,2,3,4,7,8-HxCDD	*65*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*66*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*61*		*40 - 135*
13C-2,3,4,6,7,8-HxCDF	*66*		*40 - 135*
13C-1,2,3,6,7,8-HxCDF	*63*		*40 - 135*
13C-1,2,3,7,8,9-HxCDF	*64*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*76*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*60*		*40 - 135*
13C-1,2,3,4,7,8,9-HpCDF	*64*		*40 - 135*
13C-OCDD	*64*		*40 - 135*
13C-OCDF	*59*		*40 - 135*

QC Association Summary

Client: Ninyo & Moore
Project/Site: Dioxins_211936010

Job ID: 320-98788-1

Specialty Organics

Prep Batch: 667350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-98788-1	B36-0.5	Total/NA	Solid	8290	
MB 320-667350/1-A	Method Blank	Total/NA	Solid	8290	
LCS 320-667350/2-A	Lab Control Sample	Total/NA	Solid	8290	
LCSD 320-667350/3-A	Lab Control Sample Dup	Total/NA	Solid	8290	

Analysis Batch: 669567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-98788-1	B36-0.5	Total/NA	Solid	8290A	667350
MB 320-667350/1-A	Method Blank	Total/NA	Solid	8290A	667350
LCSD 320-667350/3-A	Lab Control Sample Dup	Total/NA	Solid	8290A	667350

Analysis Batch: 670441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 320-667350/2-A	Lab Control Sample	Total/NA	Solid	8290A	667350

General Chemistry

Analysis Batch: 668260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-98788-1	B36-0.5	Total/NA	Solid	D 2216	

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Dioxins_211936010

Job ID: 320-98788-1

Client Sample ID: B36-0.5
Date Collected: 04/05/23 14:20
Date Received: 04/11/23 09:25

Lab Sample ID: 320-98788-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			668260	04/17/23 21:41	JP	EET SAC

Client Sample ID: B36-0.5
Date Collected: 04/05/23 14:20
Date Received: 04/11/23 09:25

Lab Sample ID: 320-98788-1
Matrix: Solid
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			10.59 g	20.0 uL	667350	04/13/23 04:27	FC	EET SAC
Total/NA	Analysis	8290A		1	1 Sample	1 Sample	669567	04/22/23 01:14	GRB	EET SAC

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ninyo & Moore
Project/Site: Dioxins_211936010

Job ID: 320-98788-1

Laboratory: Eurofins Sacramento

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-22-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
D 2216		Solid	Percent Moisture
D 2216		Solid	Percent Solids

Method Summary

Client: Ninyo & Moore
Project/Site: Dioxins_211936010

Job ID: 320-98788-1

Method	Method Description	Protocol	Laboratory
8290A	Dioxins and Furans (HRGC/HRMS)	SW846	EET SAC
D 2216	Percent Moisture	ASTM	EET SAC
8290	Soxhlet Extraction of Dioxins and Furans	SW846	EET SAC

Protocol References:

ASTM = ASTM International

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Sample Summary

Client: Ninyo & Moore
Project/Site: Dioxins_211936010

Job ID: 320-98788-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-98788-1	B36-0.5	Solid	04/05/23 14:20	04/11/23 09:25

134330

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For courier service / sample drop off information, contact us26_sales@eurofinsus.com or call us.

FRM 1.2

CHAIN-OF-CUSTOD RECORD

DATE: 4/5/23

PAGE: 1 OF 1

LABORATORY CLIENT: Ninyo & Moore	CLIENT PROJECT NAME / NO.: 211936010
ADDRESS: 475 Goddard, Suite 200	P.O. NO.:
CITY: Irvine STATE: CA ZIP: 92618	PROJECT CONTACT: Dennis Fee (dfee@ninyoandmoore.com)
TEL: 949-753-7070 E-MAIL: dfee@ninyoandmoore.com	LAB CONTACT OR QUOTE NO.:
TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"): ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD	GLOBAL ID: LOG CODE:
EDD: ☐ COELT EDF ☐ OTHER	SAMPLER(S): (PRINT) Aileen Chea

SPECIAL INSTRUCTIONS:

QUOTE #
32021439

320-98788 Chain of Custody

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☐ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Dioxins & Furans by 8290A	HOLD		
	B36-0.5	4/5/23	1420	soil	1																		X			
	B36-2.5	↓	1423	↓	↓																			X		
	B36-5	↓	1440	↓	↓																			X		
	B36-10	↓	1442	↓	↓																			X		

AC 4/5/2023

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	4/5/23	1806	[signature] EC	4/5/23	18:06
[signature]	4/10/23	1500	[signature]	4/11/23	905

4.9/4.8 SC12 3. yoc

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-98788-1

Login Number: 98788
List Number: 1
Creator: Oropeza, Salvador

List Source: Eurofins Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.:2576
Expiration Date: 2025
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:
Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 27893A
Project Name:	LAUSD 49th Street PEA
Project Number:	211936010
Date Received:	5/11/2023
Date Reported:	5/15/2023
Chain of Custody Received:	☑
Analytical Method:	6010B,

Mark Noorani, Laboratory Director

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Rev1.0

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27893A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 4ºC, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

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Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27893A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B40A-0.5	27893-006	5/6/2023	5/6/2023	Soil
B34-NE2-2.5	27893-008	5/6/2023	5/6/2023	Soil

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Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference # NAM 27893A
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B40A-0.5	27893-006	5/6/2023 11:50	5/6/2023 8:48	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Arsenic	6010B	2.3	mg/kg	05/10/23 14:25	05/15/23 10:19	--	1

B34-NE2-2.5	27893-008	5/6/2023 11:50	5/6/2023 9:17	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
Lead	6010B	94	mg/kg	05/10/23 14:25	05/15/23 10:22	--	1

Method Blank						Soil	
MB ID	**ANALYTE**	**EPA Method**	**Result**	**Units**	**Date Extracted**	**Date Analyzed**	**Qual**	**DF**
MBHV0509232	Arsenic	6010B	<2.0	mg/kg	05/09/23 15:35	05/11/23 11:40	--	1
MBHV0509232	Lead	6010B	<0.80	mg/kg	05/09/23 15:35	05/11/23 11:40	--	1

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QA/QC Report
for
Metals

Reference #: NAM 27893A

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **6010B**

Laboratory Sample #: 27891-021 **Date of Extraction:** 05/09/23 15:35

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
Arsenic	05/11/23 11:49	05/11/23 11:52	2.80	20.0	22.4	21.5	98	94	4	75-125	20	--
Lead	05/11/23 11:49	05/11/23 11:52	2.90	20.0	21.4	20.8	92	89	3	75-125	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **6010B**

Laboratory Sample #: HV0509232 **Date of Extraction:** 05/09/23 15:35

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
Arsenic	05/11/23 11:43	05/11/23 11:46	--	20.0	19.1	18.7	96	94	2	80-120	20	--
Lead	05/11/23 11:43	05/11/23 11:46	--	20.0	19.7	19.3	99	96	2	80-120	20	--

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & Chain of Custody Record

ORANGE COAST ANALYTICAL, INC. www.ocalab.com

3002 Dow Avenue, Suite 532
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Phoenix, AZ 85040
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Lab Job No.: 27893 Page: 1 of 2

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard	Address (City / State):	Los Angeles, CA
	Irvine, CA 92618	EDD Required:	scribeEDD
Phone:	(949) 753-7070 Fax:	Sampled By:	Aileen Chea

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME
Standard: ____
72 Hour: X
48 Hour: ____
24 Hour: ____

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Arsenic by EPA 6010B	Lead by EPA 6010B	REMARKS / INSTRUCTIONS
1	B4-W4-0.5	1	5/6/23	0803	SS	9oz jar			HOLD
2	B4-W4-2.5			0806					HOLD
3	B4-W3-0.5			0813			X		
4	B4-W3-2.5			0815					HOLD
5	B41A-0.5			0837			X		
6	B40A-0.5			0848					HOLD
7	B34-NE2-0.5			0908					HOLD
8	B34-NE2-2.5			0917					HOLD
9	B34-NE-0.5			0921				X	
10	B34-NE-2.5			0926				X	
11	B34-NW-0.5			0931					HOLD
12	B34-NW2-0.5			0938					HOLD
13	B34-NW2-2.5			0944					HOLD
14	B34-SW-0.5			0950				X	

No. of Samples: 14 Method of Shipment: Preservative: (1 = Ice) 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: Aileen Chea/ Date: 5/6/23 Time: 1150 Company: Ninyo & Moore	Received By: Date: Time: Company:	Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other	
Relinquished By: Date: Time: Company:	Received By: Date: Time: Company:		
Relinquished By: Date: Time: Company:	Received For OCA By: Mark Date: 5/6/23 Time: 1150 Company: OCA, CA	Sample Integrity: 4.0+0=4.0 °C IR#3 Intact: ____ On Ice: (Yes) No @ ____ °C	

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & Chain of Custody Record

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Phoenix, AZ 85040
Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 27893 Page: 2 of 2

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard	Address (City / State):	Los Angeles, CA
	Irvine, CA 92618	EDD Required:	ScribeEDD
Phone:	(949) 753-7070 Fax:	Sampled By:	Aileen Chea

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME
Standard: ____
72 Hour: X
48 Hour: ____
24 Hour: ____

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Arsenic by EPA 6010B	Lead by EPA 6010B	REMARKS / INSTRUCTIONS
15	B34-SW-2.5	1	5/6/23	0954	SS	9oz jar		X	
16	B34-SW2-0.5	↓	↓	1010	↓	↓			HOLD
17	B34-SW2-2.5	↓	↓	1021	↓	↓			HOLD

AC 5/6/23

No. of Samples: 3 Method of Shipment:

Preservative: (1 = Ice) 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: Aileen Chea/ Company: Ninyo & Moore	Date: 5/6/23 Time: 1150	Received By: Company:	Date: Time:
Relinquished By: Company:	Date: Time:	Received By: Company:	Date: Time:
Relinquished By: Company:	Date: Time:	Received For OCA By: Mark Company: OCA, CA	Date: 5-6-23 Time: 1150

Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other

Sample Integrity: 4.0 to 4.6 °C

Intact: ____ On Ice: (Yes) / No @ 4.3 °C

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Sample Receipt Report

Laboratory Reference: **NAM 27893** Logged in by: MM

Received:	05/06/23 11:50	Company Name:	Ninyo & Moore
Method of Shipment:	Hand Delivered	Project Manager:	Mr. Dennis Fee
Shipping Container:	Cooler	Project Name:	LAUSD 49th Street PEA
# Shipping Containers:	1	Project #:	211936010

Sample Quantity
17 Soil

Chain of Custody		Complete ☑	Incomplete ☐	None ☐
Samples On Ice		Yes, Wet ☑	Yes, Blue ☐	No ☐
Observed Temp. (°C):	4	Thermometer ID: IR#3	Adjusted Temp.:	4+(-0)=4
Shipping Intact		Yes ☐	N/A ☑	No ☐
Shipping Custody Seals Intact		Yes ☐	N/A ☑	No ☐
Samples Intact		Yes ☑		No ☐
Sample Custody Seals Intact		Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated		Yes ☐	N/A ☑	No ☐
Proper Test Containers		Yes ☑		No ☐
Proper Test Preservations		Yes ☑		No ☐
Samples Within Hold Times		Yes ☑		No ☐
VOAs Have Zero Headspace		Yes ☐	N/A ☑	No ☐
Sample Labels		Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC		Yes ☑	N/A ☐	No ☐

Notes

Client Notified _____ By _____ On _____

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LABORATORY REPORT FORM

ORANGE COAST ANALYTICAL, INC.

3002 Dow Suite 532 Tustin, CA 92780

(714) 832-0064

Laboratory Certification (ELAP) No.:2576
Expiration Date: 2025
Los Angeles County Sanitation District Lab ID# 10206

Laboratory Director's Name:
Mark Noorani

Client:	Ninyo & Moore
Laboratory Reference:	NAM 27893B
Project Name:	LAUSD 49th Street PEA
Project Number:	211936010
Date Received:	5/12/2023
Date Reported:	5/16/2023
Chain of Custody Received:	☑
Analytical Method:	6010B,

Mark Noorani, Laboratory Director

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Rev1.0

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27893B
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Case Narrative

Sample Receipt:

All samples on the Chain of Custody were received by OCA at 4ºC, on ice.

Holding Times:

All samples were analyzed within required holding times unless otherwise noted in the data qualifier section of the report.

Analytical Methods:

Sample analysis was performed following the analytical methods listed on the cover page.

Data Qualifiers:

Within this report, data qualifiers may have been assigned to clarify deviations in common laboratory procedures or any divergence from laboratory QA/QC criteria. If a data qualifier has been used, it will appear in the back of the report along with its description. All method QA/QC criteria have been met unless otherwise noted in the data qualifier section.

Definition of Terms:

The definitions of common terms and acronyms used in the report have been placed at the back of the report to assist data users.

Comments:

None

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27893B
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Client Sample Summary

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B4-W3-0.5	27893-003	5/6/2023	5/6/2023	Soil
B41A-0.5	27893-005	5/6/2023	5/6/2023	Soil

Mr. Dennis Fee
Ninyo & Moore
475 Goddard Ste 200
Irvine, CA, 92618

Lab Reference #: NAM 27893B
Project Name: LAUSD 49th Street PEA
Project #: 211936010

Metals

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B4-W3-0.5	27893-003	5/6/2023 11:50	5/6/2023 8:13	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
STLC Arsenic	6010B	3.2	mg/L	05/15/23 16:30	05/16/23 13:31	--	1

Client Sample ID	Lab Sample Number	Date Received	Date Sampled	Matrix
B41A-0.5	27893-005	5/6/2023 11:50	5/6/2023 8:37	Soil

ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
STLC Arsenic	6010B	6.6	mg/L	05/15/23 16:30	05/16/23 13:35	--	1

Method Blank						Soil	
MB ID	ANALYTE	EPA Method	Result	Units	Date Extracted	Date Analyzed	Qual	DF
MBHV0515236	STLC Arsenic	6010B	<0.20	mg/L	05/15/23 16:30	05/16/23 13:09	--	1

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QA/QC Report
for
Metals

Reference #: NAM 27893B

Reporting units: ppm

Matrix Spike (MS) / Matrix Spike Duplicate (MSD) **STLC CCR**

Laboratory Sample #: 27893-003 **Date of Extraction:** 05/15/23 16:30

Analyte	MS Date of Analysis	MSD Date of Analysis	R1	SPC CONC	MS	MSD	% MS	% MSD	RPD	ACP %MS	ACP RPD	Qualifiers
STLC Arsenic	05/16/23 13:18	05/16/23 13:28	3.20	1.00	4.36	4.26	116	106	2	75-125	20	--

Laboratory Control Spike (LCS) / Laboratory Control Spike Duplicate (LCSD) **STLC CCR**

Laboratory Sample #: HV0515236 **Date of Extraction:** 05/15/23 16:30

Analyte	LCS Date of Analysis	LCSD Date of Analysis		SPC CONC	LCS	LCSD	% LCS	% LCSD	RPD	ACP %LCS	ACP RPD	Qualifiers
STLC Arsenic	05/16/23 13:13	05/16/23 13:15	--	1.00	0.981	0.965	98	96	2	80-120	20	--

Definition of terms:

R	Result of unspiked laboratory sample used for matrix spike determination.
SP CONC (or Spike Conc.)	Spike concentration added to sample or blank
MS	Matrix Spike sample result
MSD	Matrix Spike Duplicate sample result
%MS	Percent recovery of MS: {(MS-R1) / SP CONC} x100
%MSD	Percent recovery of MSD: {(MSD-R1) / SP CONC} x 100
RPD (for MS/MSD)	Relative Percent Difference: {(MS-MSD) / (MS+MSD)} x 100 x 2
LCS	Laboratory Control Sample result
LCSD	Laboratory Control Sample Duplicate result
%LCS	Percent recovery of LCS: {(LCS) / SP CONC} x100
%LCSD	Percent recovery of LCSD: {(LCSD) / SP CONC} x 100
RPD (for LCS/LCSD)	Relative Percent Difference: {(LCS-LCSD) / (LCS+LCSD)} x 100 x 2
ACP %LCS	Acceptable percent recovery range for Laboratory Control Samples.
ACP %MS	Acceptable percent recovery range for Matrix Spike samples
ACP RPD	Acceptable Relative Percent Difference
D	Detectable, result must be greater than zero
Qual	A checked box indicates a data qualifier was utilized and/or required for this analyte see attached explanation.
ND	Analyte Not Detected

Analysis Request & Chain of Custody Record

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Phone: (480) 736-0960 Fax: (480) 736-0970

Lab Job No.: 27893 Page: 1 of 2

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard	Address (City / State):	Los Angeles, CA
	Irvine, CA 92618	EDD Required:	scribeEDD
Phone:	(949) 753-7070 Fax:	Sampled By:	Aileen Chea

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME
Standard: ____
72 Hour: X
48 Hour: ____
24 Hour: ____

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Arsenic by EPA 6010B	Lead by EPA 6010B	REMARKS / INSTRUCTIONS
1	B4-W4-0.5	1	5/6/23	0803	SS	9oz jar			HOLD
2	B4-W4-2.5			0806					HOLD
3	B4-W3-0.5			0813			X		
4	B4-W3-2.5			0815					HOLD
5	B41A-0.5			0837			X		
6	B40A-0.5			0848					HOLD
7	B34-NE2-0.5			0908					HOLD
8	B34-NE2-2.5			0917					HOLD
9	B34-NE-0.5			0921				X	
10	B34-NE-2.5			0926				X	
11	B34-NW-0.5			0931					HOLD
12	B34-NW2-0.5			0938					HOLD
13	B34-NW2-2.5			0944					HOLD
14	B34-SW-0.5			0950				X	

No. of Samples: 14 Method of Shipment: Preservative: (1 = Ice) 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By: Aileen Chea/ Date: 5/6/23 Time: 1150 Company: Ninyo & Moore	Received By: Date: Time: Company:	Sample Matrix: DW - Drinking Water; GW - Groundwater; AQ - Aqueous; WW - Wastewater; SS - Soil / Solid; SW - Stormwater; OT - Other	
Relinquished By: Date: Time: Company:	Received By: Date: Time: Company:		
Relinquished By: Date: Time: Company:	Received For OCA By: Mark Date: 5/6/23 Time: 1150 Company: OCA, CA	Sample Integrity: 4.0+0=4.0 °C IR#3 Intact: ____ On Ice: (Yes) No @ ____ °C	

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Analysis Request & C[illegible]n of Custody Record

ORANGE COAST ANALYTICAL, INC.
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Lab Job No.: 27893 Page: 2 of 2

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Ninyo & Moore	Project Name:	LAUSD 49th Street PEA
Send Report To:	Dennis Fee	Project Number:	211936010
Email:	dfee@ninyoandmoore.com	PO #:	
Address:	475 Goddard Irvine, CA 92618	Address (City / State):	Los Angeles, CA
		EDD Required:	Scribe EDD
Phone:	(949) 753-7070 Fax:	Sampled By:	Aileen Chea

ANALYSIS REQUEST / PRESERVATION

REQUESTED TURN-AROUND-TIME
Standard: ____
72 Hour: X
48 Hour: ____
24 Hour: ____

	Customer Sample IDs	No. of Containers	Sample Date	Sample Time	Sample Matrix	Container Type	Arsenic by EPA 6010B	Lead by EPA 6010B								REMARKS / INSTRUCTIONS
15	B34-SW-2.5	1	5/6/23	0954	SS	9oz jar		X								
16	B34-SW2-0.5	↓	↓	1010	↓	↓										HOLD
17	B34-SW2-2.5	↓	↓	1021	↓	↓										HOLD

AC 5/6/23

No. of Samples: 3 Method of Shipment: Preservative: 1 = Ice 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Relinquished By:	Date:	Received By:	Date:	Sample Matrix:
Aileen Chea / [signature]	5/6/23			DW - Drinking Water
	Time: 1150		Time:	GW - Groundwater
Company: Ninyo & Moore		Company:		AQ - Aqueous
Relinquished By:	Date:	Received By:	Date:	WW - Wastewater
	Time:		Time:	SS - Soil / Solid
Company:		Company:		SW - Stormwater
				OT - Other
Relinquished By:	Date:	Received For OCA By: [signature]	Date: 5-6-23	Sample Integrity: 4.0 to 4.0 °C
	Time:		Time: 1150	Intact: ____ On Ice: Yes / No @ 2R#3 °C
Company:		Company: OCA, CA		

By signing above, client acknowledges responsibility for payment of all services requested on this chain of custody form and any additional services provided in support of this project. Payment is due within 30 days of invoice date unless otherwise agreed upon, in writing, by Orange Coast Analytical, Inc. All samples remain the property of the client. A disposal fee may be imposed if client fails to pickup samples upon completion of all analyses.

Sample Receipt Report

Laboratory Reference: **NAM 27893** Logged in by: MM

Received:	05/06/23 11:50	Company Name:	Ninyo & Moore
Method of Shipment:	Hand Delivered	Project Manager:	Mr. Dennis Fee
Shipping Container:	Cooler	Project Name:	LAUSD 49th Street PEA
# Shipping Containers:	1	Project #:	211936010

Sample Quantity
17 Soil

Chain of Custody		Complete ☑	Incomplete ☐	None ☐
Samples On Ice		Yes, Wet ☑	Yes, Blue ☐	No ☐
Observed Temp. (°C):	4	Thermometer ID: IR#3	Adjusted Temp.:	4+(-0)=4
Shipping Intact		Yes ☐	N/A ☑	No ☐
Shipping Custody Seals Intact		Yes ☐	N/A ☑	No ☐
Samples Intact		Yes ☑		No ☐
Sample Custody Seals Intact		Yes ☐	N/A ☑	No ☐
Custody Seals Signed & Dated		Yes ☐	N/A ☑	No ☐
Proper Test Containers		Yes ☑		No ☐
Proper Test Preservations		Yes ☑		No ☐
Samples Within Hold Times		Yes ☑		No ☐
VOAs Have Zero Headspace		Yes ☐	N/A ☑	No ☐
Sample Labels		Complete ☑	Incomplete ☐	None ☐
Sample Information Matches COC		Yes ☑	N/A ☐	No ☐

Notes

Client Notified _____ By _____ On _____

APPENDIX G

95 Percent UCL Calculations

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 5/16/2023 6:48:36 AM
From File	WorkSheet.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Lead

General Statistics

Total Number of Observations	80	Number of Distinct Observations	64
		Number of Missing Observations	0
Minimum	1.4	Mean	26.91
Maximum	360	Median	7
SD	53.17	Std. Error of Mean	5.944
Coefficient of Variation	1.976	Skewness	4.406

Normal GOF Test

Shapiro Wilk Test Statistic	0.486	**Shapiro Wilk GOF Test**
1% Shapiro Wilk P Value	0	Data Not Normal at 1% Significance Level
Lilliefors Test Statistic	0.316	**Lilliefors GOF Test**
1% Lilliefors Critical Value	0.115	Data Not Normal at 1% Significance Level

Data Not Normal at 1% Significance Level

Assuming Normal Distribution

95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	36.8	95% Adjusted-CLT UCL (Chen-1995)	39.81
		95% Modified-t UCL (Johnson-1978)	37.29

Gamma GOF Test

A-D Test Statistic	4.299	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.799	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.196	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.104	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	0.69	k star (bias corrected MLE)	0.672
Theta hat (MLE)	39.01	Theta star (bias corrected MLE)	40.03
nu hat (MLE)	110.4	nu star (bias corrected)	107.6
MLE Mean (bias corrected)	26.91	MLE Sd (bias corrected)	32.82
		Approximate Chi Square Value (0.05)	84.62
Adjusted Level of Significance	0.047	Adjusted Chi Square Value	84.24

Assuming Gamma Distribution

95% Approximate Gamma UCL	34.2	95% Adjusted Gamma UCL	34.35

51	**Lognormal GOF Test**											
52					Shapiro Wilk Test Statistic	0.935	**Shapiro Wilk Lognormal GOF Test**					
53					10% Shapiro Wilk P Value	6.6604E-4	Data Not Lognormal at 10% Significance Level					
54					Lilliefors Test Statistic	0.158	**Lilliefors Lognormal GOF Test**					
55					10% Lilliefors Critical Value	0.0907	Data Not Lognormal at 10% Significance Level					
56	**Data Not Lognormal at 10% Significance Level**											
57												
58	**Lognormal Statistics**											
59					Minimum of Logged Data	0.336	Mean of logged Data	2.414				
60					Maximum of Logged Data	5.886	SD of logged Data	1.216				
61												
62	**Assuming Lognormal Distribution**											
63					95% H-UCL	32.91	90% Chebyshev (MVUE) UCL	34.96				
64					95% Chebyshev (MVUE) UCL	40.35	97.5% Chebyshev (MVUE) UCL	47.84				
65					99% Chebyshev (MVUE) UCL	62.55						
66												
67	**Nonparametric Distribution Free UCL Statistics**											
68	**Data do not follow a Discernible Distribution**											
69												
70	**Nonparametric Distribution Free UCLs**											
71					95% CLT UCL	36.68	95% BCA Bootstrap UCL	41.47				
72					95% Standard Bootstrap UCL	36.82	95% Bootstrap-t UCL	44.24				
73					95% Hall's Bootstrap UCL	44.5	95% Percentile Bootstrap UCL	37.74				
74					90% Chebyshev(Mean, Sd) UCL	44.74	95% Chebyshev(Mean, Sd) UCL	52.82				
75					97.5% Chebyshev(Mean, Sd) UCL	64.03	99% Chebyshev(Mean, Sd) UCL	86.05				
76												
77	**Suggested UCL to Use**											
78					95% Student's-t UCL	36.8						
79												
80	**The calculated UCLs are based on assumptions that the data were collected in a random and unbiased manner.**											
81	**Please verify the data were collected from random locations.**											
82	**If the data were collected using judgmental or other non-random methods,**											
83	**then contact a statistician to correctly calculate UCLs.**											
84												
85	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
86	Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.											
87	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											

UCL Statistics for Uncensored Full Data Sets

User Selected Options	
Date/Time of Computation	ProUCL 5.2 5/17/2023 3:19:27 PM
From File	WorkSheet.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

PCB

General Statistics

Total Number of Observations	33	Number of Distinct Observations	5
		Number of Missing Observations	0
Minimum	12.5	Mean	32.2
Maximum	250	Median	12.5
SD	48.82	Std. Error of Mean	8.498
Coefficient of Variation	1.516	Skewness	3.256

Normal GOF Test

Shapiro Wilk Test Statistic	0.475	**Shapiro Wilk GOF Test**
1% Shapiro Wilk Critical Value	0.906	Data Not Normal at 1% Significance Level
Lilliefors Test Statistic	0.445	**Lilliefors GOF Test**
1% Lilliefors Critical Value	0.177	Data Not Normal at 1% Significance Level

Data Not Normal at 1% Significance Level

Assuming Normal Distribution

95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	46.59	95% Adjusted-CLT UCL (Chen-1995)	51.32
		95% Modified-t UCL (Johnson-1978)	47.39

Gamma GOF Test

A-D Test Statistic	7.643	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.774	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.483	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.157	Data Not Gamma Distributed at 5% Significance Level

Data Not Gamma Distributed at 5% Significance Level

Gamma Statistics

k hat (MLE)	1.083	k star (bias corrected MLE)	1.005
Theta hat (MLE)	29.72	Theta star (bias corrected MLE)	32.04
nu hat (MLE)	71.49	nu star (bias corrected)	66.33
MLE Mean (bias corrected)	32.2	MLE Sd (bias corrected)	32.12
		Approximate Chi Square Value (0.05)	48.59
Adjusted Level of Significance	0.0419	Adjusted Chi Square Value	47.8

Assuming Gamma Distribution

95% Approximate Gamma UCL	43.95	95% Adjusted Gamma UCL	44.67

	A	B	C	D	E	F	G	H	I	J	K	L
51	**Lognormal GOF Test**											
52					Shapiro Wilk Test Statistic	0.542	**Shapiro Wilk Lognormal GOF Test**					
53					10% Shapiro Wilk Critical Value	0.942	Data Not Lognormal at 10% Significance Level					
54					Lilliefors Test Statistic	0.475	**Lilliefors Lognormal GOF Test**					
55					10% Lilliefors Critical Value	0.139	Data Not Lognormal at 10% Significance Level					
56	**Data Not Lognormal at 10% Significance Level**											
57												
58	**Lognormal Statistics**											
59					Minimum of Logged Data	2.526	Mean of logged Data	2.944				
60					Maximum of Logged Data	5.521	SD of logged Data	0.859				
61												
62	**Assuming Lognormal Distribution**											
63					95% H-UCL	38.83	90% Chebyshev (MVUE) UCL	40.67				
64					95% Chebyshev (MVUE) UCL	46.84	97.5% Chebyshev (MVUE) UCL	55.4				
65					99% Chebyshev (MVUE) UCL	72.2						
66												
67	**Nonparametric Distribution Free UCL Statistics**											
68	**Data do not follow a Discernible Distribution**											
69												
70	**Nonparametric Distribution Free UCLs**											
71					95% CLT UCL	46.17	95% BCA Bootstrap UCL	51.14				
72					95% Standard Bootstrap UCL	46.06	95% Bootstrap-t UCL	57.39				
73					95% Hall's Bootstrap UCL	56.97	95% Percentile Bootstrap UCL	47.35				
74					90% Chebyshev(Mean, Sd) UCL	57.69	95% Chebyshev(Mean, Sd) UCL	69.24				
75					97.5% Chebyshev(Mean, Sd) UCL	85.27	99% Chebyshev(Mean, Sd) UCL	116.8				
76												
77	**Suggested UCL to Use**											
78					95% Student's-t UCL	46.59						
79												
80	**The calculated UCLs are based on assumptions that the data were collected in a random and unbiased manner.**											
81	**Please verify the data were collected from random locations.**											
82	**If the data were collected using judgmental or other non-random methods,**											
83	**then contact a statistician to correctly calculate UCLs.**											
84												
85	Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.											
86	Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.											
87	However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.											
88												

APPENDIX H

Vapor Intrusion Risk Calculation Tables

Table G1
Exposure Parameters for Onsite Receptors
49th Street Elementary School
Los Angeles, California

Exposure/Site Specific Parameters	Units	School Exposure Parameters		
		School Staff	Student	Source
Chemical Concentration in Air (CA)		--	--	chemical-specific
Exposure Frequency (EF)	days/year	250	180	Cal-EPA, 2003
Exposure Duration (ED)	years	25	6	Cal-EPA, 2003
Exposure Time (ET)	hr/day	8	8	Cal-EPA, 2003
Averaging Time for Noncarcinogens (AT_n)	hours	219,000	52,560	USEPA 2009
Averaging Time for Carcinogens (AT_c)	hours	613,200	613,200	USEPA 2009

Table G2
Indoor Air Exposure Point Concentrations
Estimated Using a Default Attenuation Factor of 0.001
49th Street Elementary School
Los Angeles, California

Chemical of Potential Concern (COPC)	CAS Number	Maximum Detected Soil Gas Concentration (µg/m^3)	Estimated Indoor Chemical Air Concentration (ug/m^3)
1,2,4-Trimethylbenzene	95636	22	2.20E-02
Ethylbenzene	100414	32	3.20E-02
Freons	75694	82	8.20E-02
Tetrachloroethene	127184	91	9.10E-02
Toluene	108883	92	9.20E-02
Xylenes, total	95476	181	1.81E-01

Notes:
Attenuation factor (unitless) = 0.001
µg/L = micrograms per liter
NA = Not applicable or not available

Table G3
Indoor Air Exposure Point Concentrations
Estimated Using a Default Attenuation Factor of 0.03
49th Street Elementary School
Los Angeles, California

Chemical of Potential Concern (COPC)	CAS Number	Maximum Detected Soil Gas Concentration (µg/m^3)	Estimated Indoor Chemical Air Concentration (ug/m^3)
1,2,4-Trimethylbenzene	95636	22	6.60E-01
Ethylbenzene	100414	32	9.60E-01
Freons	75694	82	2.46E+00
Tetrachloroethene	127184	91	2.73E+00
Toluene	108883	92	2.76E+00
Xylenes, total	95476	181	5.43E+00

Notes:
Attenuation factor (unitless) = 0.03
µg/L = micrograms per liter
NA = Not applicable or not available

Table G4
Toxicity Criteria of Chemicals of Potential Concern
49th Street Elementary School
Los Angeles, California

Chemical	Chronic Inhalation Reference Concentration (RfC) (ug/m^3)	Inhalation Unit Risk $(ug/m^3)^{-1}$
VOCs		
1,2,4-Trimethylbenzene	6.0E+01	NA
Ethylbenzene	1.0E+03	2.5E-06
Freons	1.2E+03	NA
Tetrachloroethene	4.0E+01	6.1E-06
Toluene	3.0E+02	NA
Xylenes, total	1.0E+02	NA

Notes:
Source = Cal/EPA HHRA Note No. 10, 2019

Table G5
Health Hazards from Inhalation of Indoor Air for Student Exposure Scenario
Estimated Using a Default Attenuation Factor of 0.001
49th Street Elementary School
Los Angeles, California

COPC	Indoor Air Conc. (ug/m^3)	Inhalation Reference Concentration (ug/m^3)	Student Exposure Scenario	
			Average Exposure Conc_nc (ug/m^3)	Hazard Quotient (Unitless)
			Student	**Student**
VOCs				
1,2,4-Trimethylbenzene	2.2E-02	6.0E+01	3.6E-03	6.E-05
Ethylbenzene	3.2E-02	1.0E+03	5.3E-03	5.E-06
Freons	8.2E-02	1.2E+03	1.3E-02	1.E-05
Tetrachloroethene	9.1E-02	4.0E+01	1.5E-02	4.E-04
Toluene	9.2E-02	3.0E+02	1.5E-02	5.E-05
Xylenes, total	1.8E-01	1.0E+02	3.0E-02	3.E-04
Total Hazard Index				**8.E-04**

Notes:
ug/m^3 = Micrograms per cubic meter

Table G6
Health Hazards from Inhalation of Indoor Air for Student Exposure Scenario
Estimated Using a Default Attenuation Factor of 0.03
49th Street Elementary School
Los Angeles, California

COPC	Indoor Air Conc. (ug/m^3)	Inhalation Reference Concentration (ug/m^3)	Student Exposure Scenario	
			Average Exposure Conc_nc (ug/m^3)	Hazard Quotient (Unitless)
			Student	**Student**
VOCs				
1,2,4-Trimethylbenzene	6.6E-01	6.0E+01	1.1E-01	2.E-03
Ethylbenzene	9.6E-01	1.0E+03	1.6E-01	2.E-04
Freons	2.5E+00	1.2E+03	4.0E-01	3.E-04
Tetrachloroethene	2.7E+00	4.0E+01	4.5E-01	1.E-02
Toluene	2.8E+00	3.0E+02	4.5E-01	2.E-03
Xylenes, total	5.4E+00	1.0E+02	8.9E-01	9.E-03
Total Hazard Index				**2.E-02**

Notes:
ug/m^3 = Micrograms per cubic meter

Table G7
Health Hazards from Inhalation of Indoor Air for School Staff Exposure Scenario
Estimated Using a Default Attenuation Factor of 0.001
49th Street Elementary School
Los Angeles, California

COPC	Indoor Air Concentration (ug/m^3)	Inhalation Reference Concentration (ug/m^3)	School Staff Exposure Scenario	
			Average Exposure Conc_nc (ug/m^3)	Hazard Quotient (Unitless)
VOCs				
1,2,4-Trimethylbenzene	2.2E-02	6.0E+01	5.0E-03	8.E-05
Ethylbenzene	3.2E-02	1.0E+03	7.3E-03	7.E-06
Freons	8.2E-02	1.2E+03	1.9E-02	2.E-05
Tetrachloroethene	9.1E-02	4.0E+01	2.1E-02	5.E-04
Toluene	9.2E-02	3.0E+02	2.1E-02	7.E-05
Xylenes, total	1.8E-01	1.0E+02	4.1E-02	4.E-04
Total Hazard Index				**1.E-03**

Notes:
ug/m^3 = Micrograms per cubic meter

Table G8
Health Hazards from Inhalation of Indoor Air for School Staff Exposure Scenario
Estimated Using a Default Attenuation Factor of 0.03
49th Street Elementary School
Los Angeles, California

COPC	Indoor Air Concentration (ug/m^3)	Inhalation Reference Concentration (ug/m^3)	School Staff Exposure Scenario	
			Average Exposure Conc_nc (ug/m^3)	Hazard Quotient (Unitless)
VOCs				
1,2,4-Trimethylbenzene	6.6E-01	6.0E+01	1.5E-01	3.E-03
Ethylbenzene	9.6E-01	1.0E+03	2.2E-01	2.E-04
Freons	2.5E+00	1.2E+03	5.6E-01	5.E-04
Tetrachloroethene	2.7E+00	4.0E+01	6.2E-01	2.E-02
Toluene	2.8E+00	3.0E+02	6.3E-01	2.E-03
Xylenes, total	5.4E+00	1.0E+02	1.2E+00	1.E-02
Total Hazard Index				**3.E-02**

Notes:
ug/m^3 = Micrograms per cubic meter

Table G9
Cancer Risks from Inhalation of Indoor Air for Student Exposure Scenario
Estimated Using a Default Attenuation Factor of 0.001
49th Street Elementary School
Los Angeles, California

COPC	Indoor Air Chemical Conc. (ug/m^3)	Inhalation Unit Risk $(ug/m^3)^{-1}$	Student Exposure Scenario	
			Lifetime Exposure Conc_c (ug/m^3)	Cancer Risk (Unitless)
			Student	**Student**
VOCs				
1,2,4-Trimethylbenzene	2.2E-02	NA	3.1E-04	NA
Ethylbenzene	3.2E-02	2.5E-06	4.5E-04	1.E-09
Freons	8.2E-02	NA	1.2E-03	NA
Tetrachloroethene	9.1E-02	6.1E-06	1.3E-03	8.E-09
Toluene	9.2E-02	NA	1.3E-03	NA
Xylenes, total	1.8E-01	NA	2.6E-03	NA
Total Cancer Risk				**9.E-09**

Notes:
ug/m^3 = Micrograms per cubic meter

Table G10
Cancer Risks from Inhalation of Indoor Air for Student Exposure Scenario
Estimated Using a Default Attenuation Factor of 0.03
49th Street Elementary School
Los Angeles, California

COPC	Indoor Air Chemical Conc. (ug/m^3)	Inhalation Unit Risk $(ug/m^3)^{-1}$	Student Exposure Scenario	
			Lifetime Exposure Conc_c (ug/m^3)	Cancer Risk (Unitless)
			Student	**Student**
VOCs				
1,2,4-Trimethylbenzene	6.6E-01	NA	9.3E-03	NA
Ethylbenzene	9.6E-01	2.5E-06	1.4E-02	3.E-08
Freons	2.5E+00	NA	3.5E-02	NA
Tetrachloroethene	2.7E+00	6.1E-06	3.8E-02	2.E-07
Toluene	2.8E+00	NA	3.9E-02	NA
Xylenes, total	5.4E+00	NA	7.7E-02	NA
Total Cancer Risk				**3.E-07**

Notes:
ug/m^3 = Micrograms per cubic meter

Table G11
Cancer Risks from Inhalation of Indoor Air for School Staff Exposure Scenario
Estimated Using a Default Attenuation Factor of 0.001
49th Street Elementary School
Los Angeles, California

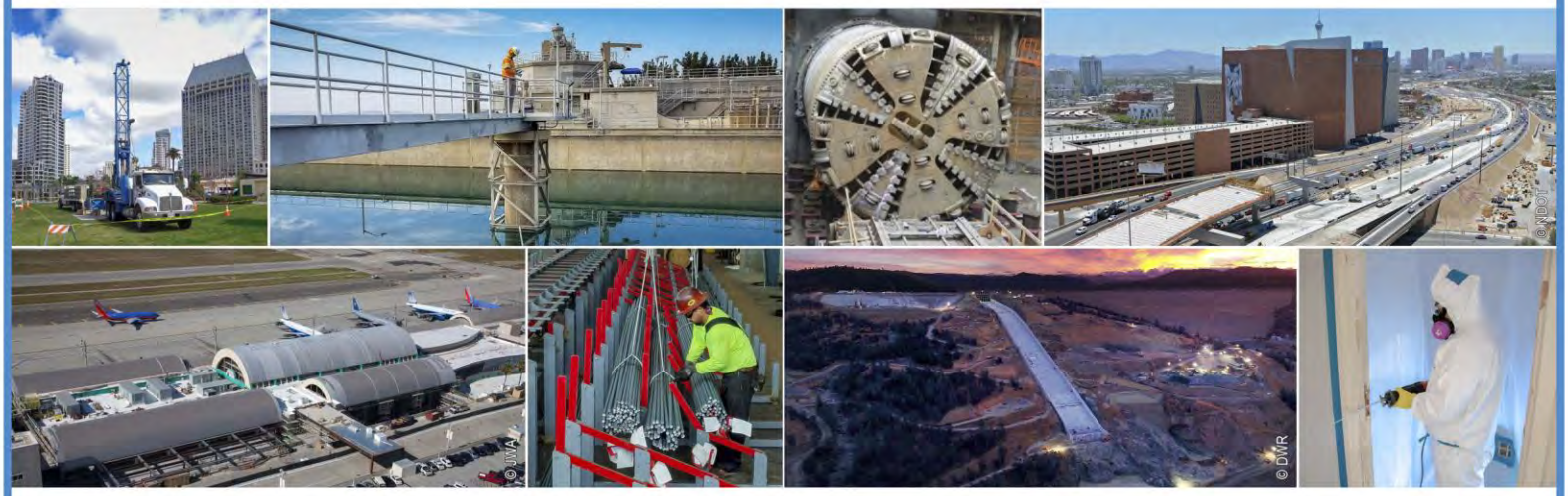
COPC	Indoor Air Chemical Concentration (ug/m^3)	Inhalation Unit Risk $(ug/m^3)^{-1}$	School Staff Exposure Scenario	
			Lifetime Exposure Conc_c (ug/m^3)	Cancer Risk (Unitless)
VOCs				
1,2,4-Trimethylbenzene	2.2E-02	NA	1.8E-03	NA
Ethylbenzene	3.2E-02	2.5E-06	2.6E-03	7.E-09
Freons	8.2E-02	NA	6.7E-03	NA
Tetrachloroethene	9.1E-02	6.1E-06	7.4E-03	5.E-08
Toluene	9.2E-02	NA	7.5E-03	NA
Xylenes, total	1.8E-01	NA	1.5E-02	NA
Total Cancer Risk				**5.E-08**

Notes:
ug/m^3 = Micrograms per cubic meter

Table G12
Cancer Risks from Inhalation of Indoor Air for School Staff Exposure Scenario
Estimated Using a Default Attenuation Factor of 0.03
49th Street Elementary School
Los Angeles, California

COPC	Indoor Air Chemical Concentration (ug/m^3)	Inhalation Unit Risk $(ug/m^3)^{-1}$	School Staff Exposure Scenario	
			Lifetime Exposure Conc_c (ug/m^3)	Cancer Risk (Unitless)
VOCs				
1,2,4-Trimethylbenzene	6.6E-01	NA	5.4E-02	NA
Ethylbenzene	9.6E-01	2.5E-06	7.8E-02	2.E-07
Freons	2.5E+00	NA	2.0E-01	NA
Tetrachloroethene	2.7E+00	6.1E-06	2.2E-01	1.E-06
Toluene	2.8E+00	NA	2.3E-01	NA
Xylenes, total	5.4E+00	NA	4.4E-01	NA
Total Cancer Risk				**2.E-06**

Notes:
ug/m^3 = Micrograms per cubic meter



475 Goddard, Suite 200 | Irvine, California 92618 | p. 949.753.7070

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ninyoandmoore.com

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants

Appendix H. 49th Street Elementary School Removal Action Workplan – Major Modernization

Appendices

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INTEROFFICE CORRESPONDENCE
Los **A**ngeles **U**nified **S**chool **D**istrict
Office of Environmental Health and Safety

DATE: August 31, 2023

TO: Leah Guthrie
Facilities Development Manager
FSD – Asset Management

FROM: Filmon Tesfaslasie,
Site Assessment Project Manager (CP)
Office of Environmental Health and Safety

SUBJECT: **49TH STREET ELEMENTARY SCHOOL**
REMOVAL ACTION PLAN (RAW) – MAJOR MODERNIZATION

The Los Angeles Unified School District (LAUSD) has completed a Removal Action Workplan (RAW) for the Major Modernization Project at 49th Street Elementary School (the "Site") located at 750 E 49th St, Los Angeles, CA. The Draft RAW (attached) presents the removal action plan of approximately 1,568 cubic yards of impacted soil identified in the Preliminary Environmental Assessment (PEA). The plan details the soil excavation, segregation, stockpiling, characterization, transportation, and disposal procedures. It also describes the verification sampling procedure, air monitoring requirements, and health and safety plan.

The RAW will be implemented as part of the Major Modernization Project. In the meantime, direct exposure and immediate health risk to students is not anticipated as the impacted soils are currently covered with asphalt.

As a general note, dust mitigation measures shall be implemented during any project-related excavation and/or earth-disturbing activities at the Site. Additionally, if any stained or odorous soil is observed during construction, stop work shall be initiated and OEHS shall be notified. In the event that the project requires the disposal of excess soil, soil sampling per the LAUSD Specification Section 01-4524 will be required prior to characterization and acceptance for off-site disposal.

Should you have any questions or concerns regarding this memorandum, please contact OEHS Site Assessment Project Manager Filmon Tesfaslasie at (213) 241-4578 or at cp-f.tesfaslasie@lausd.net.

Attachment: Removal Action Workplan (RAW), 49th Street Elementary School – Major Modernization Project, 750 E 49th Street, Los Angeles, California 90011, dated August 25, 2023.

CC: Project File

Removal Action Work Plan

49th Street Elementary School – Major Modernization Project

750 East 49th Street

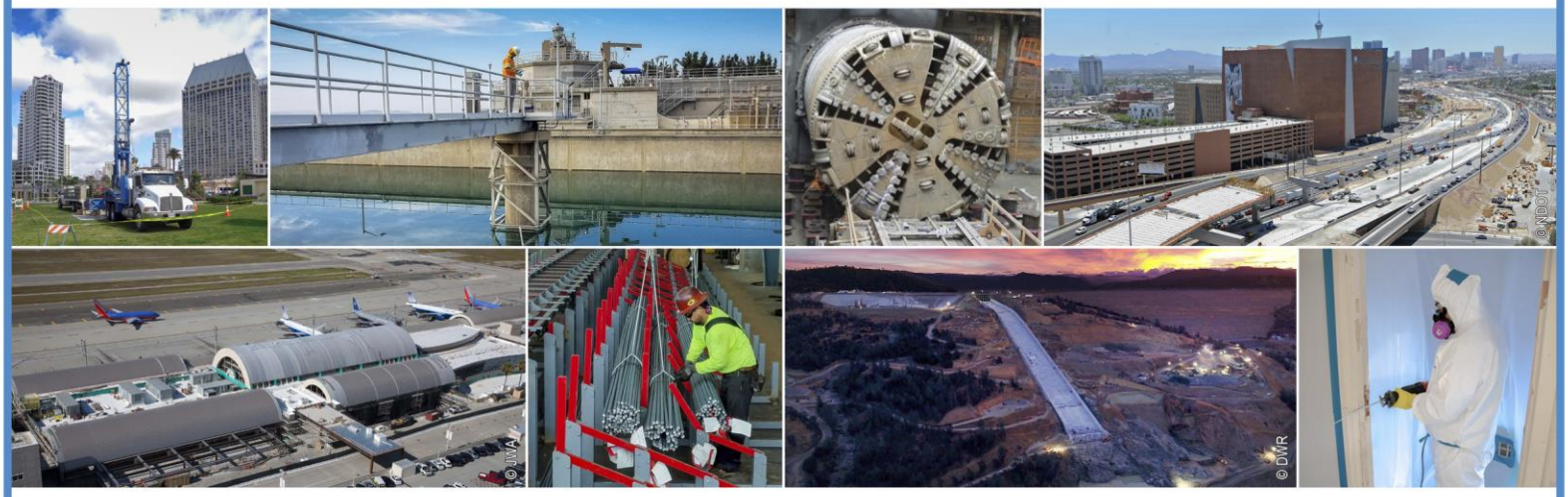
Los Angeles, California 90011

Office of Environmental Health and Safety

Los Angeles Unified School District

333 South Beaudry Avenue, 21st Floor | Los Angeles, California 90017

August 25, 2023 | Project No. 211936018



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Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

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Geotechnical & Environmental Sciences Consultants

35+ YEARS

Removal Action Work Plan
49th Street Elementary School – Major Modernization Project
750 East 49th Street
Los Angeles, California 90011

Mr. Anthony Espinoza
Office of Environmental Health and Safety
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333 South Beaudry Avenue, 21st Floor | Los Angeles, California 90017

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1 INTRODUCTION AND SUMMARY

This document presents a Removal Action Workplan (RAW) for the removal of arsenic, lead, and total petroleum hydrocarbon (TPH) impacted soil located within the 49th Street Elementary School Major Modernization Project (MMP) area at 750 East 49th Street, in Los Angeles, California (site; Figure 1). This RAW has been prepared by Ninyo & Moore Geotechnical and Environmental Sciences Consultants (Ninyo & Moore) on behalf of the Los Angeles Unified School District (LAUSD), under the oversight of the LAUSD's Office of Environmental Health and Safety.

Based on the results of Preliminary Environmental Assessment (PEA) investigation, elevated concentrations of arsenic, lead, and TPH were reported above the applicable regulatory screening levels in certain areas within the site (Ninyo & Moore, 2023). The screening level for arsenic of 12 milligrams per kilogram (mg/kg)is based on the Department of Toxic Substances Control's (DTSC's) statistical evaluation of arsenic concentrations at 19 school sites within southern California (DTSC, 2007). The screening level for lead is based on DTSC Human and Ecological Risk Office Human Health Risk Assessment (HERO HHRA) for Residential Soil, which is 80 mg/kg. The screening level for TPH diesel range organics (DROs) and motor oil range organics (MROs) is based on the San Francisco Regional Water Quality Control Board's (SFRWQCB) Tier 1 Environmental Screening Levels (ESLs) of 260 and 1,600 mg/kg, respectively.

Based on the recommendations of the PEA, a "Response Action" is required to address the potential threat or hazard posed by the presence of elevated levels of arsenic, lead, and TPH at concentrations above the site-specific cleanup goal (CG) of 12 mg/kg, 80 mg/kg, and 260 mg/kg, respectively, at the site. The RAW includes a description of the on-site impact, a plan for conducting the removal action (RA), and the goals to be achieved by the RA, as required by the California Health and Safety Code (H&SC) Section 25323.1. The RAW is also consistent with the criteria specified in the H&SC Section 25356.1(h).

1.1 Purpose of the RAW

Based on the PEA performed by Ninyo & Moore (Ninyo & Moore, 2023), shallow soil at the site has been impacted by arsenic, lead, and TPH in select areas. The purposes of this RAW are to:

- Summarize previous investigation,
- Estimate the surface area and volumes of soil impacted with chemicals of concern, and;
- Propose measures to remove the arsenic, lead, and TPH concentrations in the affected areas of the site to levels below regulatory screening levels for the protection of human health and the environment.

1.2 Removal Action Objectives

Site-specific RA objectives (RAOs) have been established to protect human health and the environment, and serve as a means of screening potential remedial alternatives for further evaluation. Ninyo & Moore has identified the following RAOs:

- Minimize potential exposure through ingestion, inhalation, or direct contact with the shallow soils containing elevated concentrations of arsenic, lead, and TPH that may pose risk to human health;
- Protect human health and the environment by minimizing generation and release of fugitive dust potentially containing elevated concentrations of arsenic, lead, and TPH into the ambient air in excess of South Coast Air Quality Management District (SCAQMD) requirements; and
- Minimize potential migration of elevated concentrations of arsenic, lead, and TPH from soils into air, surface water, or groundwater.

The remedial goals developed and adopted for arsenic, lead, and TPH impacted soil at the site will be responsive to these RAOs. The primary remedial goal for the site is performance-based and focuses on restoring the near-surface soils to conditions protective of human health with regards to the elevated arsenic, lead, and TPH detected in shallow soil.

Ninyo & Moore has preliminarily determined that the proposed action (excavation and off-site disposal) is the preferred RA remedy based on an assessment of the three broad technology evaluation criteria: effectiveness, implementability, and cost (see Section 5). The objective of this proposed action is for impacted soil with arsenic, lead, and TPH concentrations exceeding the CG to be excavated, removed from the site, and placed at a licensed disposal facility. The proposed action at the site focuses on reducing the threat to human health, and the environment, and to provide a solution that reduces the toxicity, mobility, and volume of impacted soil.

2 SITE DESCRIPTION

The following discusses site information in more detail.

2.1 Site Name

The site is identified by LAUSD as 49th Street Elementary School.

2.2 Site Address

The current site address is:

750 East 49th Street
Los Angeles, California

2.3 Designated Contact Person

The designated LAUSD contact person for this project is Mr. Filmon Tesfaslasie, Site Assessment Project Manager.

2.4 Contact Person, Mailing Address, and Telephone Number

Contact information for this project is provided below:

Anthony Espinoza
Environmental Health Manager
Los Angeles Unified School District
Office of Environmental Health and Safety
333 South Beaudry Street, 21st Floor
Los Angeles, California 90017

Mr. Espinoza can be reached at (213) 241-5487. His facsimile number is (213) 241-6816.

2.5 EPA Identification Number

The Environmental Protection Agency (EPA) Identification Number for the site is CAD982025165.This EPA ID number must be used for waste profiling and disposal purposes during the implementation of the RAW.

2.6 Assessor's Parcel Number(s) and Maps

According to the Los Angeles County Assessor's office, the site consists of parcels that are assigned Assessor's Parcel Numbers 5108-011-909 and 5108-011-910.

2.7 Ownership

The LAUSD is the current owner of the site.

2.8 Site Location

The site is located within the boundaries of 49th Street Elementary School at 750 E. 49th Street, in Los Angeles, California (Figure 1), located at the southwest corner of the intersection of East 49th Street and McKinley Avenue in Los Angeles, California. According to the United States Geological Survey (USGS) Inglewood Quadrangle Map, dated 2015, the site is at an elevation of approximately 180 feet above mean sea level. The site slopes gently to the southwest (USGS, 2015).

3 BACKGROUND INFORMATION

The following discusses background information in more detail.

3.1 Site Information

The site is a 5.73 acre-property currently used as an elementary school. The western portion of the site was developed and occupied by single-family residences starting in 1900. Around 1922, the eastern portion of the site was developed and occupied by the 49th Street Elementary School. The existing main building (Building ID # 14040) was the only building at the site during this time. Between 1962 and 1970, most of the single-family residences were demolished and the site was developed to the existing site configuration. The current site includes one administration/classroom building (Building ID # 14036), four classroom buildings (classroom building [Building ID # 13718], the west building [Building ID # 13933], main building [Building ID # 14040], south building [Building ID #13583]), an auditorium building (Building ID # 14196), and a cafeteria building (Building ID # 13566). The remainder of the site (the western portion) is paved with asphalt and is utilized as a playground and parking area.

3.2 Surrounding Land Use

The site vicinity consists primarily of residential properties with some dispersed commercial properties. The site is bordered by East 49th Street to the north, McKinley Avenue to the east, East 50th Street to the south, and 49th Street Park and residential properties in the west (Figure 1).

3.3 Geologic and Soil Conditions

Based on a review of the California Department of Conservation 2010 Geologic Map online, the site is mapped with generalized soil types primarily comprised of Holocene alluvial gravel, sand, and clay, derived mostly from Santa Monica mountains (Dibblee & Minch, 2007).

Soils encountered during the PEA Equivalent consisted of fill material and native alluvium to the maximum depth explored of 15 feet below ground surface (bgs). The fill material was primarily a brown, loose silty sand and fine-grained sand, which was encountered from surface or directly below pavement until total depth of native alluvium was encountered. Fill was encountered up to the maximum depth explored of 15 feet bgs in borings located near the former suspected UST pit in the eastern portion of the site. The alluvium encountered during the PEA consisted primarily of light brown poorly graded sand and well-graded sand. Native alluvium was encountered at 3.5 to 4 feet bgs in the western portion of the site, and generally increased in depth encountered eastward as the age of site development increased.

3.4 Site Hydrogeology

According to information reviewed on State Water Resources Control Board's (SWRCB's) GeoTracker website related to the closed leaking underground storage tank case associated with

the Winall Oil Company Station No. 9 (4442 Avalon Boulevard), located approximately 0.3 miles to the north-northwest of the site, groundwater was measured in May 2013 at depths ranging from approximately 189.45 to 190.61 feet bgs. The approximate groundwater flow direction was reported to be toward the east. Groundwater levels can fluctuate due to seasonal variations, groundwater withdrawal or injection, and other factors.

There are no natural surface water bodies, such as streams, rivers, ponds, and lakes, at the site.

3.5 Previous Site Investigations

The following sections describe previous site investigations.

Phase I Environmental Site Assessment Report

Ninyo & Moore reviewed the Phase I ESA Report prepared by Tetra Tech, dated March 22, 2022 (Tetra Tech, 2022). Based on the findings of the Phase I ESA, several Recognized Environmental Conditions (RECs) were identified for the site. These are:

- The potential presence of lead-contaminated soils associated with the potential use of lead-based paint in the buildings,
- The potential presence of organochlorine pesticide (OCP)-contaminated soils associated with the potential application of OCPs,
- The potential presence of polychlorinated biphenyl (PCB)-contaminated soils due to the potential use of PCB-containing caulking and paints in the buildings,
- The Potential presence of arsenic-contaminated soils due to LAUSD's former standard practice of applying herbicides containing arsenic prior to paving,
- The historical presence of a concrete incinerator,
- The presence of an oil tank between the main building and the west building,
- The presence of a second oil tank south of the southwest corner of the existing west building (unknown if the oil tanks are aboveground storage tanks [ASTs] or underground storage tanks [USTs]),
- The presence of two boiler rooms.

Recommendations from the Phase I ESA included the following:

- Conduct a PEA Equivalent (PEA-E) to evaluate the site's subsurface soil to determine the presence, if any, of chemicals of potential concern (COPCs) including petroleum hydrocarbons, volatile organic compounds (VOCs), metals, organochlorine pesticides (OCPs), and polychlorinated biphenyl (PCBs).
- Prior to any demolition, remodeling, and/or renovations, sample untested suspected asbestos containing materials (ACMs), lead-based paint (LBP), lead-containing materials (LCMs), and potential PCB-containing building material, and abatement of any known ACMs, LBP, LCMs, and PCB-containing building material.

- Prior to redevelopment, applicable agencies should be contacted for storm water run-off requirements and other development- and construction-related environmental requirements.

RECs and other potential environmental concerns identified in Tetra Tech's Phase I ESA were used to create the sampling rationale for the PEA and select the locations of soil/soil vapor borings. Additional site-specific documents were provided by LAUSD, reviewed by Ninyo & Moore, and incorporated into the PEA rationale and selection of boring locations.

Preliminary Environmental Assessment Report

Ninyo & Moore conducted a PEA at 49th Street Elementary School starting February 2023. The final PEA Report was submitted July of 2023 (Ninyo & Moore, 2023). The primary objectives of the PEA were to evaluate if soils were impacted by historical or current uses of hazardous wastes or substances at the site, if those uses resulted in releases of COPCs, delineate any COPC-impacted soils, and evaluate risk to human health and/or the environment. The PEA Sampling Locations are displayed in Figure 2.

The following summarizes the major findings of the 2023 PEA investigation (Ninyo & Moore, 2023):

- A full-scan geophysical survey conducted between the Main Building and West Building revealed the presence of an anomaly in the deep soil that coincides with the likely location of a heating oil tank. The deep borings advanced to 15 feet bgs in the vicinity of the likely location of the tank did not encounter the tank or any contamination that could have resulted from a release. The anomaly identified is most likely the material used to backfill the former location of the tank.

- TPH DROs were detected ranging from 12 to 490 mg/kg. One sample collected in the parking lot area in the northwest portion of the site reported a concentration of 490 mg/kg, which exceeds SFRWQCB Tier 1 ESL of 260 mg/kg. The MRO concentration in this sample was also detected at 1,900 mg/kg in the surface sample. Elevated TPH concentrations at B45 are likely the result of oil and fuel leaks associated with the use of the parking lot.

- Elevated concentrations of arsenic exceeding the DTSC's established upper limit threshold of 12 mg/kg for Southern California soils (DTSC, 2007) were detected in the northern portion of the site and also south of the Cafeteria Building. Select samples around the West Building in the northeast portion of the site contained arsenic concentrations above the soluble threshold limit concentration (STLC) of 5 milligrams per liter (mg/l) and/or toxicity characteristic leaching procedure (TCLP) of 5 mg/l, which should be characterized and disposed as Resource Conservation and Recovery Act (RCRA)-hazardous material.

- Lead was detected in six soil samples above the DTSC screening level (SL) of 80 mg/kg, up to a maximum concentration of 360 mg/kg. The results of a 95% UCL calculation indicate that lead is not an environmental concern at the site, with the exception of a "hot spot" identified at the central portion of the site at 2.5 feet bgs, which should be characterized and disposed as hazardous material.

- PCE was detected in soil vapor samples in concentrations ranging between 16 and 91 micrograms per cubic meter (µg/m^3). Reported PCE concentrations exceeded the modified DTSC SL of 15.3 µg/m^3 (applying an attenuation factor of 0.03). Based on this, a Vapor Intrusion Risk Evaluation (VIRE) was conducted by Ninyo & Moore. The VIRE determined

that the probability of developing cancer as a result of exposures to indoor air at the site is less than 3E-07 for students and 2E-06 for school staff. These estimated cancer risks are below the known cancer risk for the United States population and are deemed acceptable by the DTSC.

The PEA recommended the following:

- Removal Action Workplan (RAW) be prepared detailing the proper management, characterization, and disposal requirements for subsurface structures and impacted soil, including the abandoned fuel line leading from East 49th Street to the former suspected heating oil tank, TPH DRO-impacted soil in the northern parking area, lead-impacted soil in the vicinity of boring B34, and arsenic-impacted soil in the northern portion of the site and south of the Cafeteria Building. SCAQMD Rule 1466 is not applicable to the remaining areas of the MMP limits that are outside the areas subject to the RAW.

4 NATURE, SOURCE, AND EXTENT OF CONTAMINATION

Summary of the nature, source, and extent of arsenic, lead, and TPH in soil is presented below.

4.1 Type, Source, and Location of Contaminants

The elevated arsenic concentrations in soil are located in the northern portion of the site, including around the northern and eastern edges of the West Building and north of the Administration/Library Classroom Building. Elevated arsenic concentrations were also detected south of the Cafeteria Building. The source of the arsenic-impacted soil may be the attributed to the historical use of arsenic-containing herbicides in open areas and the historical use of arsenic-based termiticides around building foundations.

The elevated lead concentrations in soil is located at a “hot spot” at the central portion of the site. The source of the lead-impacted soil may be attributed to use of artificial fill or from lead-based paint applied to the building materials of historical residential structures on the site.

Elevated concentrations of TPH were reported in one sample at a depth of 0.5 feet bgs, located in the asphalt paved parking lot in the northwest portion of the site. This may be attributed to oil leaks from vehicles.

Specific locations where arsenic, lead, and TPH-impacted soil were identified and delineated at the site is summarized in Ninyo & Moore’s PEA report (Ninyo & Moore, 2023). Tables and Figures from the PEA are presented in Appendix A.

4.2 Extent and Volume of Contamination

The lateral and vertical extents of the “hotspots” were established during the PEA based on results of subsequent step outs (in three to four primary directions) or step down sample results above 12 mg/kg, 80 mg/kg, and 260 for arsenic, lead, and TPH DRO respectively (Figure 2). Ninyo &

Moore estimated the volume of soil with elevated arsenic, lead, and TPH concentrations above respective RSLs, which are shown on Figure 3. The volume of soil with elevated concentrations of arsenic, lead, and TPH are presented in Table 2 and discussed in Section 7.3.2. The total volume of impacted soil is approximately 1,568 cubic yards. This volume assumes an expansion factor of 1.4x, since soil will expand from its original volume due to high compaction. The impacted soil weighs approximately 2,195 tons, using a conversion factor of 1.4 tons per cubic yard of soil.

4.3 Potential Health Effects of Arsenic

Potential exposure to arsenic in soil can affect receptors when airborne dust is inhaled, ingested, or by passing through the skin. Long term exposure to arsenic can damage many body organs, including the skin, gastrointestinal tract, lungs, heart, blood vessels, immune system, urinary system, reproductive organs and the nervous system. Symptoms may include headache, drowsiness, confusion, convulsions, sore throat, irritated lungs, ulceration of nasal septum, dermatitis, respiratory distress, vomiting, diarrhea, possible liver damage, muscular tremors, and reproduction damage. Exposure to arsenic can also cause hyperpigmentation of the skin (darkening) and the appearance of scaly skin on the palms and soles.

4.4 Potential Health Effects of Lead

Lead may be encountered as a contaminant of soil in locations near tanks and other process equipment as a result of painting operations. Lead may also be encountered as a result of spills or leakage of lead additives to motor fuels. Lead-based paint is a major source of lead at the site. Lead is a toxic heavy metal and a suspected carcinogen that may be encountered in inorganic or organic forms.

Heavy metals such as lead can affect the nervous system, gastrointestinal system, cardiovascular system, blood production, kidneys, and reproductive system. Symptoms of heavy metal toxicity include mental confusion, pain in muscles and joints, headaches, short-term memory loss, gastrointestinal upsets, food intolerances/allergies, vision problems, chronic fatigue, and others.

4.5 Potential Health Effects of TPH

TPH is a term used to describe a large family of several hundred chemical compounds that originally come from crude oil. TPH is a mixture of chemicals, but they are all made mainly from hydrocarbons. Some chemicals that may be found in TPH are hexane, jet fuels, mineral oils, benzene, toluene, xylenes, naphthalene, and fluorene, as well as other petroleum products and gasoline components. Some of the TPH compounds can affect your central nervous system. One compound can cause headaches and dizziness at high levels in the air. Another compound can cause a nerve disorder called "peripheral neuropathy," consisting of numbness in the feet and

legs. Other TPH compounds can cause effects on the blood, immune system, lungs, skin, and eyes.

Animal studies have shown effects on the lungs, central nervous system, liver, and kidney from exposure to TPH compounds. Some TPH compounds have also been shown to affect reproduction and the developing fetus in animals. The International Agency for Research on Cancer (IARC) has determined that one TPH compound (benzene) is carcinogenic to humans. IARC has determined that other TPH compounds (benzo[a]pyrene and gasoline) are probably and possibly carcinogenic to humans. Most of the other TPH compounds are considered not to be classifiable by IARC.

4.6 Exposure Pathways and Media of Concern

As discussed in the preceding sections, the site is developed as an elementary school and consists of vegetated planters, hardscape (concrete and asphalt pavements, sidewalk), and buildings. The receptor population includes school children, faculty, and staff.

In its current condition, soil impacted with arsenic, lead, and TPH lies underneath pavement, which therefore does not have a current exposure route to onsite receptors. However, during the implementation of the MMP, pavement will be demolished and underlying soils exposed for grading, thus necessitating the need for the proper handling of these soils to prevent potential exposures to onsite receptors, construction workers, and the general public.

A Conceptual Site Model describes potential chemical sources, release mechanisms, transport media, routes of environmental transport, exposure media, and potential human receptors. Exposure to chemicals can occur only if a complete pathway exists by which human receptors may be exposed to chemicals in soil, water, or air. For the arsenic, lead, and TPH concentrations found in shallow soil, the potentially complete exposure pathways could include dermal contact, dust inhalation, and incidental ingestion. The Conceptual Site Model is shown in Figure 4.

5 ENGINEERING EVALUATION/COST ANALYSIS (EE/CA)

The following discusses cost analysis information in more detail.

5.1 Removal Action Scope

The purpose of this section of the RAW is to identify and screen possible RA alternatives that achieve the RAO discussed in Section 1.2. The screening of remedial action alternatives was conducted in general accordance with the EPA Guidance on Conducting Non-Time-Critical Removal Actions under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (EPA, 1993). The proposed RA will be conducted in accordance with protocols of

the CERCLA and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). Under 40 Code of Federal Regulations (CFR) 300.415 of the NCP, an EE/CA is required to address the implementability, effectiveness, and cost of a non-time-critical RA. This section was prepared, as part of the RAW developed for the site, to aid in the evaluation of remediation alternatives for the mitigation of arsenic, lead, and TPH impacted soil at the site, as such, were screened and evaluated on the basis of their effectiveness, implementability, and cost, as defined below.

- **Effectiveness** – This criterion focuses on the degree to which a remedial action reduces toxicity, mobility, and volume through treatment; minimizes residual risk and affords long-term protection; minimizes short-term impacts and how quickly it achieves protection.
- **Implementability** – Remedial actions are evaluated with respect to technical feasibility and applicability to site conditions. Some examples of this criterion include the ability to obtain necessary permits, regulatory approval of remedial actions, and availability of necessary equipment and skilled workers to implement the RA.
- **Cost** – This criterion relates to relative cost screening based on approximate capital and operation and maintenance (O&M) costs.

Following the initial screening, each remedial action alternative presented in this RAW is independently analyzed without consideration to the other alternatives. The analysis addresses the criteria listed below.

- **Short-term effectiveness** – This criterion evaluates the effects of the implementation of the remedial alternative during the construction and implementation phase through completion of remediation. It accounts for the protection of workers and the community during remedial activities and considers the environmental impacts resulting from implementing the action.
- **Long-term effectiveness and permanence** – This criterion addresses issues related to the management of residual risk remaining on site following implementation of a given remedial action. The primary focus is placed on the long-term controls that may be required to manage the risk posed by treating remaining residuals or by leaving untreated wastes on site.
- **Reduction of toxicity, mobility, or volume** – This criterion evaluates whether the remedial technology employed results in significant reduction in toxicity, mobility, or volume of the hazardous substances.
- **Implementability** – This criterion evaluates the technical and administrative feasibility of the alternatives, as well as the availability of the necessary equipment, material, and services to complete the RA. This includes the ability to construct and operate the alternative, ability to obtain services and equipment, ability to monitor the performance and effectiveness of technology, and the ability to obtain necessary approvals from oversight agencies.
- **Overall protection of human health and the environment** – This criterion evaluates whether the remedial alternative provides acceptable protection of human health and the environment.
- **Cost effectiveness** – This criterion includes both capital and O&M costs and is based on a variety of information. The actual costs will depend on true labor and material costs, competitive market conditions, the final project scope, and the implementation schedule.

5.2 Evaluation of Removal Action Alternatives

Three RA alternatives were evaluated for the arsenic-impacted soil at the site. These alternatives were evaluated using the criteria listed above. The three alternatives are:

- Alternative 1 – No Action
- Alternative 2 – Containment Through Surface Cap, and
- Alternative 3 – Excavation/Off-site Recycling or Disposal

A description and evaluation of each of the three RA alternatives is discussed in the following sections.

5.2.1 Alternative 1 – No Action

The no action alternative (Alternative 1) has been included to provide a baseline for comparison among other RAs. This alternative includes no institutional controls, no treatment of soil, and no monitoring.

Alternative 1 would not require the implementation of any removal measures at the site.

Since elevated arsenic, lead, and TPH concentrations are present in shallow soils under pavement, this alternative would not reduce the health risk to onsite receptors due to the exposure to soil unearthed from the MMP. In addition, as future construction work is proposed, workers and the public may be exposed to impacted soil during the MMP, making this alternative unacceptable. There is no cost associated with this alternative.

5.2.2 Alternative 2 – Containment through Surface Cap

Containment treatment as implemented at the site would consist of capping the surface of the impacted areas with an engineered soil cover and/or membrane. The cap would be used to minimize surface exposure. The following paragraphs present an evaluation of this alternative with respect to the feasibility criteria.

Short-term effectiveness – The containment alternative would involve some disturbance of the COPC-impacted soil during placement of the surface cap. Therefore, potential short-term risks to on-site workers, public health, and the environment could result from dust or particulates that may be generated during these activities. These risks could be mitigated using personal protective equipment for on-site workers and implementing engineering controls, such as dust suppression and additional traffic and equipment operating safety procedures, for protection of the surrounding community. The short-term risks associated with this alternative would be low.

Long-term effectiveness and permanence – The installation of a surface cap would require long-term inspection and maintenance. Periodic inspections for settlement, ponding of liquids, erosion, and naturally occurring invasion by deep-rooted vegetation or burrowing animals would be required. In addition, precautions would have to be taken to ensure that the integrity of the cap is not compromised by land-use activities. Based on these factors, the effort required to ensure long-term effectiveness is considered high.

Reduction of toxicity, mobility, or volume – Containment through surface capping would not lessen toxicity or volume of arsenic, lead, and TPH, but would limit mobility, specifically, accessibility to the contaminant. Proper maintenance of the cap would reduce accessibility to impacted soils.

Implementability – Containment is a relatively simple technology that is easily implemented and offers quick installation times. Because of the permanence of leaving the arsenic, lead, and TPH on the site, obtaining and renewing permits and regulatory approval may be difficult. Local land use restrictions would also be required to eliminate future disturbances of these areas during any school property redevelopment.

Overall protection of human health and the environment – The overall protection of human health is good, provided the long-term O&M is continued.

Cost effectiveness – Containment technologies are typically a low to moderate cost treatment group. A rough industry cost for containment can be approximately between $175,000 to $225,000 per acre for a soil and asphalt or concrete cap. The existing surface area that would need to be capped for the school site encompasses approximately 14,000 square feet, which will total $75,000. Additional costs of approximately $100,000 are estimated for preparation of engineering plans, preparation of the O&M Plan, and establishment and recording of land use restrictions. Additionally, the annual cap inspection for the next 20 years is estimated as $15,000 per year, or $300,000. A summary of the estimated costs to implement this alternative is presented in Table 3.

Because the arsenic, lead, and TPH-impacted soil would remain in place, it is likely that it would be necessary to restrict land use at the site through a land-use covenant (LUC).

5.2.3 Alternative 3 – Excavation/Off-site Recycling or Disposal

This alternative includes excavation and off-site recycling, reuse, or direct landfilling of soils containing concentrations of chemicals of concern above their respective CGs. The following areas were identified in the PEA as containing impacted soils that require removal:

- Area A: An estimated 487 cubic yards (682 tons) of arsenic-impacted soil would be excavated to depths ranging from surface to approximately 2 feet bgs.
- Area B: An estimated volume of 182 cubic yards (254 tons) of arsenic-impacted soil and soil surrounding the heating oil pipeline would be excavated to depths ranging from surface to approximately 5 feet bgs.
- Area C: An estimated volume of 78 cubic yards (109 tons) of arsenic-impacted soil would be excavated to depths ranging from surface to approximately 2 feet bgs.
- Area D: An estimated volume of 796 cubic yards (1,115 tons) of arsenic-impacted soil would be excavated to depths ranging from surface to approximately 2 feet bgs.
- Area E: An estimated 19 cubic yards (27 tons) of lead-impacted soil would be excavated to depths ranging from surface to approximately 5 feet bgs.
- Area F: An estimated 5 cubic yards (7 tons) of lead- and TPH-impacted soil would be excavated to depths ranging from surface to approximately 1 foot bgs.

Combining these areas, approximately 1,568 cubic yards (2,195 tons) of impacted soil will be excavated and removed from the site under this remedial method. Excavated soils would be stockpiled, loaded onto trucks, and transported to the appropriate approved receiving facility. If existing analytical data needs to be supplemented for waste characterization, soils would be sampled and analyzed to determine its classification as either non-hazardous or hazardous waste pursuant to EPA SW-846. Excavation and offsite disposal is an effective means of removing impacted soil and would allow the site's RAO to be met.

Long-term effectiveness and permanence – This alternative provides long-term effectiveness by permanently removing the impacted soils from the site.

Short-term effectiveness – This alternative would potentially cause temporary short-term impacts (including dust, noise, and traffic) to the local area. However, these impacts would be mitigated through control measures to an acceptable level. Even though there will be temporary neighborhood disruption during field activities from excavation noise and truck traffic, all field activities would be performed in accordance with applicable regulations, setting noise and traffic issues to acceptable levels. Public issues concerning this alternative would be addressed satisfactorily by the LAUSD and community acceptance is anticipated. thereby providing short-term effectiveness to this alternative upon completion

Reduction of toxicity, mobility, or volume – Because this alternative would remove impacted soils from the site, the accompanying mobility and volume would be reduced to zero by removing the impacted soils and eliminating the exposure pathway to onsite receptors.

Implementability – This alternative is technically and administratively feasible, and would be relatively easy to permit. All of the activities involved are well proven and straightforward including: soil sampling and analysis, excavation, potential temporary stockpiling, loading and transport, soil recycling, soil disposal, and preliminary rough grading. All activities would be conducted in accordance with local permits by properly licensed contractors and transporters, which would also achieve State and Federal acceptance.

Overall protection of human health and the environment – This alternative would remove impacted soils with the planned control measures of this RAW and protect human health and the environment. Soil removal activities would be conducted in accordance with applicable local permit requirements (if any) and the requirements of this RAW after its approval by LAUSD, thus complying with applicable or relevant and appropriate requirements (ARARs) (Section 7.0).

Cost effectiveness – One potential negative aspects of this alternative are its implementation cost, due primarily to high transportation and disposal costs. Please see Section 6.3 and Table 3 for a breakdown of the cost.

In summary, Alternative 3, Excavation/Off-site Recycling or Disposal is a proven, readily implementable remedial approach commonly used to address shallow soil contamination. The process is straightforward and the equipment and labor required to implement this alternative are simple and readily available. Based on the past success related to the excavation and offsite disposal of shallow soil contamination at other LAUSD school sites, it is anticipated that this approach would be acceptable to the community.

5.3 Costs of Removal Action Alternatives

The estimated cost for implementing each of the three RA alternatives is presented in Table 3.

There is no cost associated with Alternative 1 – No Action.

The estimated cost for Alternative 2 is $75,000 to cap the surface of the approximately 14,000 square feet area impacted by arsenic, lead, and TPH. This cost would be increased with additional site area that may need to be surface capped. Annual post-surface capping inspection and repair costs of $15,000 per year for 20 years, or $300,000. Additional costs will be required for project coordination and management (approximately $20,000), as well as for negotiations with the DTSC, preparation of engineering plans, preparation of the O&M Plan, and establishment and recording of land use restriction (approximately $150,000). Adding a 15% contingency, the total estimated cost for Alternative 2 - Containment through Surface Cap, is approximately $655,500.

The major cost components for implementing Alternative 3 -Excavation/Off-site Recycling or Disposal are soil excavation, soil loading, transportation, disposal, dust suppression, and backfilling with imported soil. No permits from the local agencies are expected to be needed to complete the excavation, transportation, and disposal of affected soil. The estimated project costs for Alternative 3 include the cost incurred by the environmental consultant to coordinate the work, oversee the excavation, conduct dust monitoring, complete the confirmation soil sampling, analyze samples at a laboratory, and prepare a Removal Action Completion Report (RACR). The estimated cost for the excavation, off-site disposal or recycling of the arsenic, lead, and TPH-impacted soils (2,195 tons) in Alternative 3 is approximately $243,000 or $110.70 per ton, which includes landfill disposal fees. A cost of $10,000 would also apply for backfilling and compaction activities. If alternative appropriate facilities are used with the approval of the LAUSD and DTSC, costs per ton may vary. This estimate assumes the excavated soil (arsenic, lead, and TPH-impacted) will be characterized as 95.6 percent non-hazardous impacted soil, 4.4 percent hazardous impacted soil. Additional costs of approximately $180,000 will be required for project coordination, excavation oversight, field supplies, air monitoring, confirmation sampling, waste profiling, laboratory services, reporting, and planning documents. Indirect costs include a $50/ton hazardous waste handling and disposal fee and ($5,898) and approximately $15,000 for licenses, permits, and supplies. Adding a 15% contingency, the total estimated cost for Alternative 3 with2,195 tons of arsenic, lead, and TPH-impacted soil for disposal is approximately $527,733 (Table 3).

5.4 Comparative Analysis of Removal Action Alternatives

A comparative analysis was conducted to identify the advantages and disadvantages of each RA alternative. The comparative analysis was conducted to address the criteria listed in the beginning of Section 6.0. Site-specific conditions used in the comparative analysis considered the time constraints imposed on each of the remedial alternatives due to the projected LAUSD construction schedule. The comparison of the three alternatives is the table below:

Remedial Alternatives Comparison

Assessment Criterion	Alternative 1	Alternative 2	Alternative 3
Long-term effectiveness	3	2	1
Short-term effectiveness	3	1	2
Reduction of toxicity, mobility, volume	3	2	1
Implementability	1	3	2
Protection of human health and environment	3	2	1
Cost Effectiveness	1	3	2
Total Rank:	**3**	**2**	**1**

Notes:
Each Alternative is assigned a ranking 1-3
Alternative 1 – No Action
Alternative 2 – Containment
Alternative 3 – Excavation & Offsite Disposal

5.5 Description of Selected Remedy

Alternative 3 – Excavation and Offsite Disposal is selected as the preferred alternative because it is easily implemented, cost-effective, and provides long-term assurance that future occupants of the site will not face significant health risks due to elevated levels of arsenic, lead, and TPH in soil. Additionally, this method will allow LAUSD to proceed with the MMP and other future developments as planned without disruption and without land use restrictions.

Soil excavation involves the use of conventional excavation equipment, such as backhoes, loaders, and dozers to remove the estimated 1,568 cubic yards (2,195 tons) of impacted soil from the site. Excavated soil is either directly loaded into staged trucks, or temporarily stockpiled on plastic sheeting next to the excavation areas until it is loaded out for offsite disposal.

The soils removed from the excavations are transported offsite to an appropriate, licensed facility for disposal. After completion of the soil RAs at each location, confirmation soil sampling are conducted along the excavation sidewalls and bottoms to verify that the CGs have been met. Imported soil that have been tested and certified to be clean, or soil from onsite borrow areas not impacted by the chemicals of concern, are used to backfill the excavations.

The cost to implement Alternative 3 (Excavation and Offsite Disposal) is estimated to be $437,000 as shown in Table 3. This cost estimate is based on the excavation, load-out, transport, and disposal of an estimated 1,568 cubic yards (2,195 tons) of impacted soil, after which the excavations will be backfilled and compacted with a similar volume of clean imported fill. Costs are also included for environmental management and oversight of the remedial activities.

6 APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS (ARARs)

Remedial actions selected under Federal, State, and local ARARs as required under Section 121(d) of the CERCLA must comply with ARARs under federal environmental law or, where more stringent than the federal requirements, state or local environmental or facility sitting law. Where a State is the delegated authority to enforce a federal statute, such as the Resource Conservation and Recovery Act (RCRA), the delegated portions of the statute are considered to be a federal ARAR unless the State law is broader or more stringent than the federal requirement.

ARARs are categorized as chemical-specific, location-specific, or action-specific. Chemical-specific ARARs are health- or risk-based cleanup standards or methodologies that, when applied to site-specific conditions, result in the development of cleanup standards for contaminants in environmental media. Location-specific ARARs are restrictions placed on the concentration of

hazardous substances or the conduct of activities because of the special location of the site, which have important geographical, biological, or cultural features. Examples of special locations include wetlands, flood plains, sensitive ecosystems, and seismically active areas. Action-specific ARARs are technology-based or activity-based requirements or limitations on actions taken to handle hazardous wastes. They are triggered by the particular remedial activities to accomplish a remedy.

6.1 Chemical-Specific ARARs

Chemical-specific ARARs are health- or risk-based numerical values or methodologies that, when applied to site-specific conditions, establish the allowable amount or concentration of a chemical that may be found in, or discharged to, the ambient environment. A summary of chemical-specific ARARs are provided below:

- The site CG of 12 mg/kg for arsenic in soils (DTSC Acceptable Southern California background).
- The site CG of 80 mg/kg for lead in soils (DTSC SL for residential soil).
- The site CG of 260 and 1,600 mg/kg for TPH DRO and MRO in soils (SFRWQCB Tier 1 ESLs).

The preferred remedial action will involve the generation of hazardous waste (e.g., excavation of impacted soil) during remediation activities. The federally authorized RCRA program implemented in the State of California requires that excavated wastes be characterized to determine if they are hazardous under RCRA's definition.

6.2 Location-Specific ARARs

Location-specific ARARs include restricted areas such as the vicinity of wetland, endangered species, or areas of historical or cultural significance. No location-specific ARARs were identified under regulatory agencies definition.

6.3 Action-Specific ARARs

Action-specific ARARs address requirements or limitations for treatment, transportation, and disposal of hazardous waste for remedial activities. These action-specific ARARs are triggered by the particular remedial activities conducted at the site. Remedial activities associated with the excavation have the potential to generate air contaminants, particulate matter, and hazardous waste. A summary of action-specific ARARs is provided below:

- **Health and Safety** - All contractors will be responsible for operating in accordance with the most current requirements of Title 8, California Code of Regulations, section 5192 (8 CCR 5192) and Title 29, Code of Federal Regulations, section 1910.120 (29 CFR 1910.120), Standards for Hazardous Waste Operations and Emergency Response (HAZWOPER). On-site personnel are responsible for operating in accordance with all applicable regulations of

the Occupational Safety and Health Administration (OSHA) outlined in 8 CCR General Industry and Construction Safety Orders and 29 CFR 1910 and 29 CFR 1926, Construction Industry Standards, as well as other applicable federal, state, and local laws and regulations. All personnel shall operate in compliance with all California OSHA requirements. To comply with 29 CFR 1910.120, a Site Specific Health and Safety Plan (HSP) should be prepared by the general contractor. The HSP will identify and describe potentially hazardous substances that may be encountered during remedial activities. The HSP will also prescribe the appropriate personal protective equipment for site conditions and activities, and lists procedures to undertake in the event of an emergency. All personnel will review the HSP prior to field work. Site safety briefings will be conducted daily prior to starting field work to identify potential physical and chemical hazards and to go over procedures to be taken in the event of an emergency. Personnel on site will be required to sign the HSP after each daily briefing.

- **Hazardous Waste** - Hazardous waste excavation activities are regulated by RCRA, CFR, Occupational Safety and Health Administration (OSHA), and California Code of Regulations, which evaluate if the waste generated during excavation activities is hazardous waste; management of hazardous wastes; transport of hazardous waste on highways and freeways; and health and safety issues for workers on- and off-site and the public. Hazardous waste is expected to be generated. Soils to be excavated have been characterized as either RCRA-hazardous, California hazardous, or non-hazardous depending on location.

- **Air Monitoring** - The South Coast Air Quality Management District (SCAQMD) governs air emissions within the Los Angeles Basin. The site is located within the jurisdiction of SCAQMD. The SCAQMD has three rules that address excavation (Rules 1150, 1166, and 1466), and one that addresses fugitive dust (Rule 403). Rule 1150 applies to the excavation of sanitary landfills and does not apply to this project. Rule 1166 applies “Volatile Organic Compound Emissions from Decontamination of Soil” to the excavation of soils containing VOCs and does not apply to this RAW. Rule 1466 “Control of Particulate Emissions from Soils with Toxic Air Contaminants” applies to the excavation of soils containing arsenic and lead and does apply to this RAW. Several elements of Rule 1466, such as school-related protocols for soil excavation schedules and soil excavation handling, have been incorporated into this RAW. Excavation, loading, and transport of impacted soils will be in compliance with Rule 1466 measures to conduct activities when school is not in session and to handle lead-impacted soils by removing lead or arsenic-impacted soils from the site within five days of excavation. Several elements of Rule 403, such as protocols for mitigation of potential fugitive dust emissions, have been incorporated into this RAW, and are included in Appendix B.

- **Storm Water** - SWRCB regulates storm water runoff for projects disturbing more than one acre of soil. However, since less than one acre of soil will be disturbed, a storm water pollution prevention plan is not required for the RAW implementation.

7 REMOVAL ACTION IMPLEMENTATION

This section describes the field procedures and the methods expected to be used to implement the RA:

7.1 Site Preparation and Security Measures

The following control measures will be implemented during field activities during RA implementation.

7.1.1 Delineation of Excavation Areas

The excavation areas are shown in Figures 3 and 5 through 7. The excavation boundaries will be marked with flags or spray paint prior to initiating excavation. The site will be enclosed

by a fence to protect workers and the public. At least 5 days prior to the start of excavation, a Start Work Notice will be submitted to the adjacent residences and businesses.

7.1.2 Utility Clearance

Prior to commencing excavation activities, Underground Service Alert (USA) will be contacted at least 48 hours in advance to identify the location of utilities that enter the property. Proposed excavation areas will be clearly marked with white paint or surveyors flagging as required by USA. USA will contact member utility owners of record within the site vicinity and notify them of the intent to excavate. Utility owners of record will be expected to clearly mark the position of their utilities on the ground surface throughout the designated area. The contractor will be responsible for protecting existing utilities.

7.1.3 Security Measures

Appropriate barriers and/or privacy fencing should be installed prior to beginning the excavation process to ensure that work areas are secure and safe and that trespassers or unauthorized personnel are not allowed on site. Security measures may include, but are not limited to the following.

- Posting notices directing visitors to the Site Manager.
- Maintaining a visitor's log. Visitors must have prior approval from the Site Manager to enter the site. In addition, visitors will not be permitted to enter the site without first receiving site-specific health and safety training from the Site Safety Manager.
- Installing barrier fencing to restrict access to sensitive areas such as exclusion zones.
- Providing adequate site security to ensure that unauthorized personnel do not have access to work areas and/or excavated materials.
- Before leaving the site, all personnel must sign out in the visitors' log.
- Maintaining a safe and secure work area, including areas where equipment is stored or placed, at the close of each workday.
- A visual plastic barrier should be installed along the fence.
- Persons requesting site access will be required to demonstrate a valid purpose for access and provide appropriate documentation to demonstrate they have received proper training. After work hours, access to the site will be controlled by the perimeter fence and a locked gate.

7.1.4 Contaminant Control

It is anticipated that excavated material generated from the shallow excavations will either be immediately loaded onto trucks and hauled off site or temporarily stockpiled. In the event of

stockpiling, heavy tarpaulins or plastic sheeting will be used to separate stockpiles or impacted soil from the ground during excavation activities. As a precautionary measure to avoid fugitive dust from stockpiled soil, a reasonable effort will be made to ensure that stockpiles do not exceed the height of the fence line or greater than 10 feet. Stockpiles will be covered or kept moist during non-work hours or overnight to minimize the potential for fugitive dust. Contaminant control measures are not required because the COPCs in the soil are not expected to migrate. However, the COPCs in dust during excavation activities is a potential contamination migration route. This potential concern will be controlled by dust mitigation measures described in the Air Monitoring Plan (Appendix B). Additionally, an air monitoring station will be placed on site, and careful visual monitoring will be conducted to ensure dust suppression techniques are effective in minimizing dust from traveling off site during excavation and loading. Due to the small area of disturbance for on-site soil removal (less than one acre), a storm water pollution prevention plan will not be prepared. However, Best Management Practices will be implemented to minimize transportation of soil off site due to storm water runoff.

7.1.5 Permits and Plans

No permits for grading from City of Los Angeles, Division of Public Works are required for this LAUSD soil RA. No specific air or other permitting requirements have been identified for the proposed RA activities at this time.

7.1.6 Demolition of Pavements

The excavation areas are mostly paved. Prior to excavating the arsenic, lead, and TPH-impacted soil, the concrete or the asphalt pavement in the excavation areas will be carefully removed and separately stockpiled for disposal, so as not to disturb the surrounding soil. The demolition of overlying pavement is planned to expose the impacted soil for excavation.

7.2 Field Documentation

The following paragraphs discuss the field documentation procedures for this work.

7.2.1 Field Logbooks

Field activity logs will document where, when, how, and from whom project information was obtained. Log entries will be complete and accurate enough to permit reconstruction of field activities. Each page will be consecutively numbered, dated, and noted with the time of entry. Entries will be legible, written in ink, and signed by the individual making the entries. Language will be factual, objective, and free of personal opinions or other terminology which might prove inappropriate. If an error is made, a line will be made through the error and the

correct information will be entered. Corrections will be dated and initialed. No entries will be obliterated or rendered unreadable.

7.2.2 Chain-of-Custody Records

Chain-of-custody (COC) records are used to document sample collection and shipment to laboratory(ies) for analyses. Sample shipments for analyses will be accompanied by a COC record. Form(s) will be completed and transported with the samples for each laboratory and each shipment. If multiple coolers are transported to a single laboratory on a single day, COC form(s) will be completed and transported with the samples for each cooler. The COC record will identify the contents of each shipment and maintain the custodial integrity of the samples. Generally, a sample is considered to be in someone's custody if it is either in someone's physical possession, in someone's view, locked up, or kept in a secured area that is restricted to authorized personnel. Until receipt by the laboratory, the custody of the samples will be the responsibility of the sample collector.

7.2.3 Photographs

Photographs will be taken at selected excavation locations and at other areas of interest on the site. They will serve to complement information entered in the field activity logbooks. When a photograph is taken, the following information will be written in the activity logbooks, or will be recorded in a separate field photography log.

- Time, date, location, direction, and if appropriate, weather conditions.
- Description of the subject photographed.
- Name of person taking the photograph.

7.3 Excavation

The following paragraphs describe the procedures during soil excavation at the site.

7.3.1 Proposed Excavation Plan

The summary table below presents the 6 excavation areas (Areas A-F), including their corresponding COPC, surface area, depth, estimated volume, and estimated weight of each excavation. Area B has been split into two subareas, one for the removal of RCRA-hazardous arsenic-impacted soil and one for the removal of the abandoned product line. The total volume of impacted soil to be excavated and removed from the site is approximately 1,568 cubic yards. This estimated volume assumes an expansion factor of 1.4x, since soil will expand from its original volume due to high compaction. The impacted soil weighs approximately 2,195 tons, using a conversion factor of 1.4 tons per cubic yard of soil.

RAW Soil Excavation Area Summary						
Excavation Area	COPC	Soil Classification	Excavation Surface Area (ft^2)	Depth of Excavation (ft bgs)	Volume of Excavation (yd^3)	Excavation Weight (Tons)
Area A	Arsenic	Non-hazardous	4,700	2.0	487	682
Area B	Arsenic	RCRA-hazardous	250	5.0	64.8	90.7
Area B*	TPH	Non-hazardous	450	5.0	116.7	163
Area C	Arsenic	Non-hazardous	750	2.0	77.8	108.9
Area D	Arsenic	Non-hazardous	7,680	2.0	796	1115
Area E	Lead	California-hazardous	75	5.0	19.4	27.2
Area F	TPH	Non-hazardous	100	1.0	5.2	7.3
Total Volume/Weight of RCRA-Hazardous Soil					65	91
Total Volume/Weight of California Hazardous					19.4	27.2
Total Volume/Weight of Non-Hazardous Soil					1,483.5	2077
Total					1,568	2,195

Notes:
* The eastern portion of Area B is designated for the excavation and removal of the former product line
bgs – below ground surface
COPC – contaminant of potential concern
ft – feet
ft^2 – square feet
ft^3 – cubic feet
RCRA – Resource Conservation and Recovery Act
TPH – total petroleum hydrocarbons
yd^3 – cubic yard

Excavation and removal of impacted soil will be performed in stages due to site area constraints. Soil will be removed to the lateral and vertical extents shown on Figure 3, and Figures 5 through 7 using a backhoe, rubber-tired front-end loader, excavator, and/or shovels. Excavations Areas A through F will be excavated to depths ranging between 1 and 5 feet bgs, depending on the vertical extents of known contamination (Table 2). Additional excavation may be necessary based on the results of confirmation sampling as discussed in Section 8. If excavation depth exceeds approximately 4 feet bgs, a 1:1 or flatter slope will be maintained during the excavation. No shoring is anticipated.

As the proposed vertical limits of excavation are reached, confirmation soil samples will be collected and submitted to the laboratory for analysis of arsenic, lead, or TPH to guide the removals. The confirmation sampling procedure is described in Section 8. At the end of each work day, excavated areas will be secured with fencing, delineators, and caution tape to minimize the occurrence of accidents or unauthorized entry.

7.3.2 Temporary Stockpile Operations

Site stockpile management activities will consist of oversight and direction of stockpile segregation into three main categories:

- Non-Hazardous Waste – Disposed of at a Class III Landfill.

- Total Arsenic > 12 mg/kg and <500 mg/l, STLC<5 mg/l, and TCLP<5 mg/l, or
- Total Lead > 80 mg/kg and <1,000 mg/kg, STLC<5 mg/l, and TCLP<5 mg/l

- Non-RCRA Hazardous Waste (California Hazardous Waste) – Disposed of at a Class I Landfill.
  - Total Arsenic > 500 mg/kg or STLC>5 mg/l and TCLP<5 mg/l, or
  - Total Lead > 1,000 mg/kg or STLC>5 mg/l and TCLP<5 mg/l
- RCRA-Hazardous Waste – Disposed of at a Class I Landfill that can specifically handle RCRA-hazardous waste
  - Arsenic TCLP >5 mg/l
  - Lead TCLP >5 mg/l

Based on the results of environmental investigations at the site, RCRA Hazardous Waste is expected to be encountered in Excavation Area B, and California Hazardous Waste is expected to be encountered in Excavation Area E (see Table 2). Most soil generated during the implementation of the RAW will be Non-Hazardous Waste that will be disposed of at a Class III Landfill. Soils will be segregated so that there will be no mixing of soils between excavation areas.

Soil will be initially profiled and segregated into stockpiles based on XRF readings of total arsenic and lead. Once stockpiles have been generated and segregated, waste characterizations samples will be collected and sent to a fixed-base laboratory for analysis of VOCs, TPH, and Title 22 Metals by EPA Methods 8260B, 8015B, and 6010B. Waste characterization samples of stockpiles will be collected at a frequency of approximately one sample per excavation area. Arsenic and/or lead STLC and TCLP will also be analyzed in stockpile soil samples based on XRF readings and known hot spots (i.e. if arsenic concentrations are greater than 20 times the STLC/TCLP limit of 5 mg/l). Soil stockpiles will be placed on plastic sheeting, covered, and clearly labeled on site with colored flags designating Non-Hazardous Waste for disposal, or California Hazardous Waste for disposal. Daily inspection of the stockpiles will be performed. Stockpiles cannot be greater than 400 cubic yards or higher than the perimeter fencing in accordance with SCAQMD Rule 1466.

The soil staging process will be conducted in a manner to minimize the generation of dust. At the staging areas, excavated soil will be placed on an impermeable barrier base (e.g., plastic sheeting) and at the end of each day, covered with tarps or other proper materials (e.g., plastic sheeting) to prevent any storm water run-on and/or dust generation. If significant rainfall is anticipated, the staging areas will be bermed to contain any runoff. When possible,

excavated soil may be placed in covered roll-off bins or drums, or may be loaded onto transportation trucks. In no case will the waste storage be longer than five days after its generation, in accordance with SCAQMD Rule 1466. Direct loading will take place concurrently with excavation operations, with access of loaders to the stockpile from outside of the excavation areas, while excavation operations deposit impacted soil from the excavation areas to the staging areas.

7.3.3 Decontamination Area

Vehicles, excavation, and hand-held equipment will be decontaminated prior to leaving the site. A decontamination area will be prepared on site prior to impacted-soil excavation. This area will be designed to contain liquids and residue generated during the decontamination process. The decontamination area will be in an area easily accessible to incoming and outgoing vehicles and equipment, and will include methods for removing soil from vehicle tires. In addition, personnel overseeing decontamination procedures will be responsible for ensuring soil is not tracked off site. Materials removed from impacted equipment and rinsate collected during decontamination of impacted equipment will be containerized and stored on site pending profiling and disposal. After decontamination, the equipment will be visually inspected for signs of residue. Decontamination rinsate will be appropriately disposed of upon receipt of laboratory profiling data.

7.3.4 Confined Space Entry Requirements

Confined space entry permitting is not required for the removal activities at the site.

7.4 Air / Meteorological Monitoring & Dust Control

An Air Monitoring Plan that identifies methods to properly monitor and mitigate the amount of fugitive dust in the ambient air resulting from project-related soil removal activities is presented in Appendix B. The Air Monitoring Plan sets forth the required measures that the construction contractor will implement during remediation and how those measures will be implemented during remediation in accordance with SCAQMD Rules 403 and 1466. These protocols will be implemented in order to protect the community and ensure that site workers react quickly to make appropriate changes to emission control measures, as needed.

7.5 Transportation Plan for Off-Site Disposal

A transportation plan indicating how the excavated soil will be hauled off from the site, describing truck routes for off-site disposal, and listing the frequency of truck trips and any holding areas at the site should be prepared by the remedial contractor or consultant. The plan should be prepared in general accordance with the DTSC's Transportation Plan, Preparation Guidance for Site

Remediation (DTSC, 1994) and should identify entrance and exit gates, truck routes, truck and heavy equipment decontamination area, truck inspection/check point, and personnel and small equipment decontamination areas. Areas of the site outside of the decontamination areas may be used for truck staging and loading. All truckloads will be documented by the appropriate hazardous or non-hazardous bill of lading waste manifest.

Prior to the start of field work, the relevant agencies will be contacted regarding potential road construction. If there is impact from road construction along the planned truck route, then the transportation plan should have an alternative route. Dust mitigation measures will be implemented at the on-site truck routes in accordance with the Air Monitoring Plan in Appendix B.

7.6 Site Restoration

Upon completion of the removal of impacted soils and confirmation sampling, the excavation areas will be redeveloped as part of the MMP, which may include further excavation, backfilling, grading, and/or repaving. Since the area of disturbance is less than one acre, a Storm Water Pollution Prevention Plan is not necessary for the RAW implementation. If weather conditions prevent immediate restoration of the excavation areas, erosion controls will be established as necessary.

8 CONFIRMATION SAMPLING AND IMPORT SOIL EVALUATION

8.1 Confirmation Sampling and Analyses

Following the RA, soil samples will be collected and analyzed from the bottom and sidewalls of the excavation to evaluate if the excavation extended a sufficient distance laterally and vertically to remove the soil that exceeds the CG for the chemicals of concern. Confirmation soil sample locations will be determined in the field, as the excavation progresses and based on observations made in the field.

As discussed in Section 5.2, the extents of the proposed soil excavations are shown in Figure 3. Excavation depths will vary from approximately 0.5 to 5 feet bgs depending on the depth to which arsenic, lead, or TPH were detected above CGs.

Confirmation soil samples will be collected on a systematic basis from the nodes of a generally square grid with a spacing of approximately 20 feet. In areas where the excavation sidewalls are approximately 4 feet bgs or deeper, two sidewall samples will be collected at the indicated 20-foot grid node. A minimum of one sidewall sample collected from each excavation sidewall. Bottom floor samples will be collected at the rate of one sample for each 400 square feet of excavation area at the midpoint of each interval, and at a minimum of one sample per excavation bottom. For

the planned excavation, approximately 111 confirmation samples will be collected from the bottom and sidewalls at the locations and depths shown on Figures 5 through 7, and in Table 4.

Samples will be collected using a clean trowel or plastic disposal trowels and transferred directly into glass jars. Upon retrieval, the samples will be capped, labeled, placed in individual zip-lock bags and placed in an ice-cooled chest pending delivery to a State-certified laboratory for chemical analyses under proper chain-of-custody documentation. These samples will be analyzed for arsenic, lead, or TPH in general accordance with EPA Methods 6010B (arsenic and lead), and 8015B (TPH). If the results of these samples exceed respective CGs, then additional excavation will be performed within the excavation area until the impacted soil is removed from the site. Confirmation soil sampling, analysis, and evaluation will be repeated, as previously described, within any resulting excavation. The excavation will be considered complete if the concentrations detected in the confirmation samples are less than CGs.

8.2 Borrow Source Evaluation

Clean fill material will be imported to the site to backfill excavations and grade the site. The amount of clean fill material to be imported to the site will depend on the final extent of excavation and the quantity of stockpiled soil which is determined to be suitable for re-use as backfill material on site. Any soil imported to the Site will be tested and certified in accordance with LAUSD Section 01 4524 specifications – “Environmental Import/Export Materials Testing” (August 2018). The contractor will be responsible for providing documentation of the source of clean fill material and will be responsible for performing or providing documentation of the required geotechnical and environmental analysis of the clean import fill material.

9 PUBLIC PARTICIPATION

To fulfill the requirements of public participation for the RAW process, a project spokesperson will be designated. The spokesperson will coordinate news releases, notify affected citizens, establish an administrative record (as defined in the NCP 300.820) and notify the public of the Administrative Record. A mailing list will be generated (for properties within a ¼-mile radius of the site) and a key contacts list (local elected representatives, school officials, and local organizations) will be created. A community survey, mailing list, and key contact list will be submitted to the LAUSD for review and approval.

A public notice will be published in local newspapers (including one in Spanish, if available) informing the community of this proposed RAW and for public inspection at established Information Repositories, which are listed below.

- LAUSD Office of Environmental Health and Safety located at 333 S. Beaudry Avenue, 21st Floor, Los Angeles, CA 90017.
- 49th Street Elementary School located at 750 East 49th Street, Los Angeles, CA 90017.
- Junipero Serra Branch Library, 4607 South Main Street, Los Angeles, CA 90037

Copies of this RAW will be placed in the Information Repositories for access by community members.

The date and location, if required, of the public meeting will be indicated in the public notice. A 30-day public comment period will be held to accept public comments on the proposed RA. Following the public meeting, and at the close of the public comment period, LAUSD will evaluate the comments and make appropriate revisions and finalize the RAW.

Prior to RAW implementation, a notice of field work will be prepared and posted at perimeter site locations, and distributed by the LAUSD five days prior to the start of RAW field activities. The work notice will be distributed to 49th Street Elementary School students, staff and faculty, and nearby residents and businesses (i.e., within line-of-sight). The notice will also be laminated and posted along the fence line of the project. In addition, field notices will be mailed to the elected officials in order to keep them informed about their neighborhood school. The public notice will provide a general description of the fieldwork, along with the telephone number of the LAUSD Project Manager for further information.

10 PROJECT SCHEDULE AND REPORTING

An anticipated tentative schedule for RAW implementation is shown below. Proposed work will be completed during weekends or holidays, when school is not in session.

Task	Calendar Days to Complete	Tentative Start Date
Field Preparation	5 days	June 2024
RAW implementation and Confirmation Sampling.	20 days	July 2024
Preparation of Draft RACR	20 days	August 2024

Following completion of the RA, a RACR will be prepared and submitted to the LAUSD for review and approval. The RACR will include a summary of the RA field activities and the following items:

- Site plan, soil excavation extents and confirmation sample location map;
- Tabulated analytical results;
- Air monitoring results;

- Certified analytical laboratory reports;
- Copies of the waste manifests.

11 REFERENCES

California Department of Toxic Substances Control, 1994, Transportation Plan Preparation Guidance for Site Remediation, Interim Final.

Chernoff, G., Bosan, W., and Oudiz, D., 2007, Determination of a Southern California Regional Background Arsenic Concentration in Soil. Department of Toxic Substance Control, March.

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Dibblee, T.W., and Minch, J.A, Dibblee Geological Foundation, 2007, Geologic Map of the Venice and Inglewood Quadrangles, Los Angeles County, California.

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GeoTracker, see California State Water Resources Control Board.

GPI, 2022, Preliminary Geotechnical Investigation, Proposed Major Modernization Project, 49th Street Elementary School, 750 E. 49th Street, Los Angeles, California

Ninyo & Moore, 2023, Preliminary Environmental Assessment Equivalent Report, 49th Street Elementary School – Comprehensive Modernization Project, 750 East 49th Street, Los Angeles, California, dated July 19.

State Water Resources Control Board, GeoTracker website, 2015, http://geotracker.swrcb.ca.gov.

Tetra Tech, 2022, Phase I Environmental Site Assessment, 49th Street Elementary School, 750 East 49th Street, Los Angeles, California, dated March.

United States Geological Survey, 2015, Inglewood Quadrangle, California, 7.5 Minute Series (Topographic) Map.

United States Environmental Protection Agency, 1993, Guidance on Conducting Non-Time-Critical Removal actions under CERCLA (Publication 9360.0-32), dated August.

USGS, see United States Geological Survey.

Table 1 – Summary of Soil Analytical Results for Lead, Arsenic, and TPH

Sample ID	Date Sampled	EPA Method 6010B						TPH EPA Method 8015B (mg/kg)	
		Arsenic (TTLC) (mg/kg)	Arsenic (STLC) (mg/l)	Arsenic (TCLP) (mg/l)	Lead (TTLC) (mg/kg)	Lead (STLC) (mg/l)	Lead (TCLP) (mg/l)	DROs	MROs
B1-0.5	2/18/2023	ND<2.0	NA	NA	5.6	NA	NA	NA	NA
B2-0.5	2/18/2023	ND<2.0	NA	NA	17	NA	NA	NA	NA
B2-N-0.5	4/3/2023	3.9	NA	NA	NA	NA	NA	NA	NA
B3-0.5	2/18/2023	**52**	2.5	NA	26	NA	NA	NA	NA
B3-2.5	2/18/2023	ND<2.0	NA	NA	NA	NA	NA	NA	NA
B4-0.5	2/18/2023	**700**	**53**	**22**	NA	NA	NA	NA	NA
B4-2.5	2/18/2023	**130**	**7.0**	2.0	NA	NA	NA	NA	NA
B4-5	4/3/2023	3.9	NA	NA	NA	NA	NA	NA	NA
B4-E-0.5	4/3/2023	**26**	NA	NA	NA	NA	NA	NA	NA
B4-E-2.5	4/3/2023	3.1	NA	NA	NA	NA	NA	NA	NA
B4-E2-0.5	4/3/2023	**46**	NA	NA	NA	NA	NA	NA	NA
B4-W-0.5	4/3/2023	**720**	NA	NA	NA	NA	NA	NA	NA
B4-W-2.5	4/3/2023	**130**	NA	NA	NA	NA	NA	NA	NA
B4-W2-0.5	4/3/2023	**180**	**11**	4.5	NA	NA	NA	NA	NA
B4-W3-0.5	5/6/2023	**53**	3.2	NA	NA	NA	NA	NA	NA
B4-N-0.5	4/3/2023	**35**	NA	NA	NA	NA	NA	NA	NA
B5-0.5	2/18/2023	ND<2.0	NA	NA	6	NA	NA	NA	NA
B6-0.5	2/18/2023	ND<2.0	NA	NA	4.4	NA	NA	NA	NA
B7-0.5	2/18/2023	ND<2.0	NA	NA	28	NA	NA	NA	NA
B8-0.5	2/18/2023	ND<2.0	NA	NA	4.8	NA	NA	NA	NA
B9-0.5	2/18/2023	ND<2.0	NA	NA	9.1	NA	NA	NA	NA
B10-0.5	2/18/2023	2.6	NA	NA	**91**	3.6	NA	NA	NA
B10-2.5	2/18/2023	NA	NA	NA	4.3	NA	NA	NA	NA
B11-0.5	2/18/2023	6.8	NA	NA	55	1.8	NA	NA	NA
B11-2.5	2/18/2023	NA	NA	NA	5.2	NA	NA	NA	NA
B12-0.5	2/18/2023	ND<2.0	NA	NA	18	ND<0.1	NA	NA	NA
B13-0.5	2/18/2023	3.2	NA	NA	53	1.6	NA	NA	NA
B13-2.5	2/18/2023	NA	NA	NA	3.1	NA	NA	NA	NA
B14-0.5	2/18/2023	**28**	NA	NA	32	ND<0.1	NA	NA	NA
B14-2.5	2/18/2023	2.4	NA	NA	NA	NA	NA	NA	NA
B14-E-0.5	4/3/2023	4.6	NA	NA	NA	NA	NA	NA	NA
B14-S-0.5	4/3/2023	7.0	NA	NA	NA	NA	NA	NA	NA
B15-0.5	2/18/2023	5.9	NA	NA	24	ND<0.1	NA	NA	NA
B16-0.5	2/18/2023	7.9	NA	NA	**92**	1.7	NA	NA	NA
B16-2.5	2/18/2023	NA	NA	NA	6.1	NA	NA	NA	NA
B17-0.5	2/18/2023	6.8	NA	NA	31	NA	NA	NA	NA
B18-0.5	2/18/2023	ND<2.0	NA	NA	36	ND<0.1	NA	NA	NA
B19-0.5	2/20/2023	2.4	NA	NA	63	1.4	NA	NA	NA
B20-0.5	2/20/2023	3.2	NA	NA	18	NA	NA	ND<10	ND<50
B20-W-0.5	4/3/2023	ND<2.0	NA	NA	NA	NA	NA	NA	NA
B20-E-0.5	4/3/2023	3.6	NA	NA	NA	NA	NA	NA	NA

Table 1 – Summary of Soil Analytical Results for Lead, Arsenic, and TPH

Sample ID	Date Sampled	EPA Method 6010B						TPH EPA Method 8015B (mg/kg)	
		Arsenic (TTLC) (mg/kg)	Arsenic (STLC) (mg/l)	Arsenic (TCLP) (mg/l)	Lead (TTLC) (mg/kg)	Lead (STLC) (mg/l)	Lead (TCLP) (mg/l)	DROs	MROs
B21-0.5	2/20/2023	**38**	NA	NA	42	NA	NA	NA	NA
B21-2.5	2/20/2023	2.0	NA	NA	NA	NA	NA	NA	NA
B21-W-0.5	4/3/2023	7.6	NA	NA	NA	NA	NA	NA	NA
B22-0.5	2/18/2023	**64**	2.8	NA	40	NA	NA	NA	NA
B22-2.5	2/18/2023	2.0	NA	NA	NA	NA	NA	NA	NA
B23-0.5	2/20/2023	ND<2.0	NA	NA	38	NA	NA	NA	NA
B24-0.5	2/20/2023	ND<2.0	NA	NA	66	2.8	NA	NA	NA
B25-0.5	2/20/2023	3.6	NA	NA	21	NA	NA	NA	NA
B26-0.5	2/20/2023	2.8	NA	NA	34	NA	NA	NA	NA
B27-0.5	2/20/2023	2.5	NA	NA	4.6	NA	NA	NA	NA
B28-0.5	2/20/2023	2.5	NA	NA	5.5	NA	NA	NA	NA
B29-0.5	2/20/2023	2	NA	NA	34	NA	NA	NA	NA
B30-0.5	2/20/2023	ND<2.0	NA	NA	11	NA	NA	NA	NA
B32-2.5	2/20/2023	ND<2.0	NA	NA	6	NA	NA	ND<10	120
B32-5	2/20/2023	ND<2.0	NA	NA	4.6	NA	NA	ND<10	ND<50
B33-2.5	2/20/2023	3.9	NA	NA	6.7	NA	NA	ND<10	ND<50
B33-5	2/20/2023	ND<2.0	NA	NA	5.3	NA	NA	ND<10	ND<50
B34-2.5[1]	2/20/2023	ND<2.0	NA	NA	24	NA	NA	NA	ND<50
B34-2.5	4/5/2023	2.4	NA	NA	**230**	**11**	0.19	ND<10	ND<50
B34-5	4/5/2023	NA	NA	NA	3.2	NA	NA	NA	NA
B34-10	4/5/2023	ND<2.0	NA	NA	3.3	NA	NA	ND<10	ND<50
B34-NW-2.5	2/20/2023	ND<2.0	NA	NA	24	NA	NA	NA	NA
B34-NE-0.5	5/6/2023	NA	NA	NA	30	NA	NA	NA	NA
B34-NE-2.5	5/6/2023	NA	NA	NA	**360**	NA	NA	NA	NA
B34-NE2-2.5	5/6/2023	NA	NA	NA	**94**	2.7	NA	NA	NA
B34-SW-0.5	5/6/2023	NA	NA	NA	17	NA	NA	NA	NA
B34-SW-2.5	5/6/2023	NA	NA	NA	5.8	NA	NA	NA	NA
B35-2.5	4/5/2023	ND<2.0	NA	NA	3.4	NA	NA	ND<10	ND<50
B35-10	4/5/2023	ND<2.0	NA	NA	2.4	NA	NA	ND<10	ND<50
B36-0.5	4/5/2023	2.1	NA	NA	15	NA	NA	18	78
B36-2.5	4/5/2023	2.2	NA	NA	5.6	NA	NA	ND<10	ND<50
B37-0.5	4/5/2023	2.3	NA	NA	13	NA	NA	ND<10	ND<50
B37-2.5	4/5/2023	ND<2.0	NA	NA	4.1	NA	NA	ND<10	ND<50
B37-5	4/5/2023	ND<2.0	NA	NA	3.9	NA	NA	ND<10	ND<50
B37-10	4/5/2023	3.9	NA	NA	6.3	NA	NA	ND<10	ND<50
B37-15	4/5/2023	ND<2.0	NA	NA	2.6	NA	NA	ND<10	ND<50
B38-0.5	4/5/2023	ND<2.0	NA	NA	8.4	NA	NA	ND<10	ND<50
B38-2.5	4/5/2023	ND<2.0	NA	NA	6.9	NA	NA	ND<10	ND<50
B38-5	4/5/2023	2.5	NA	NA	6.8	NA	NA	ND<10	ND<50
B38-10	4/5/2023	2.2	NA	NA	2.6	NA	NA	ND<10	ND<50

Table 1 – Summary of Soil Analytical Results for Lead, Arsenic, and TPH

Sample ID	Date Sampled	EPA Method 6010B						TPH EPA Method 8015B (mg/kg)	
		Arsenic (TTLC) (mg/kg)	Arsenic (STLC) (mg/l)	Arsenic (TCLP) (mg/l)	Lead (TTLC) (mg/kg)	Lead (STLC) (mg/l)	Lead (TCLP) (mg/l)	DROs	MROs
B38-15	4/5/2023	ND<2.0	NA	NA	5.7	NA	NA	ND<10	ND<50
B39-0.5	4/5/2023	ND<2.0	NA	NA	16	NA	NA	ND<10	ND<50
B39-2.5	4/5/2023	ND<2.0	NA	NA	6.9	NA	NA	ND<10	ND<50
B39-5	4/5/2023	ND<2.0	NA	NA	13	NA	NA	12	ND<50
B39-10	4/5/2023	ND<2.0	NA	NA	2.1	NA	NA	ND<10	ND<50
B39-15	4/5/2023	ND<2.0	NA	NA	1.4	NA	NA	ND<10	ND<50
B40A-0.5	5/6/2023	2.3	NA	NA	NA	NA	NA	NA	NA
B40-2.5	2/18/2023	ND<2.0	NA	NA	NA	NA	NA	ND<10	140
B41A-0.5	5/6/2023	**89**	**6.6**	NA	NA	NA	NA	NA	NA
B41-2.5	2/18/2023	2.2	NA	NA	NA	NA	NA	14	75
B42-2.5	2/18/2023	NA	NA	NA	NA	NA	NA	ND<10	67
B42A-0.5	4/3/2023	**63**	2.4	NA	NA	NA	NA	NA	NA
B42A-2.5	4/3/2023	2.3	NA	NA	NA	NA	NA	NA	NA
B43-0.5	4/5/2023	ND<2.0	NA	NA	7.1	NA	NA	ND<10	ND<50
B43-2.5	4/5/2023	ND<2.0	NA	NA	4.7	NA	NA	ND<10	ND<50
B43-5	4/5/2023	2.5	NA	NA	4.2	NA	NA	ND<10	ND<50
B43-10	4/5/2023	ND<2.0	NA	NA	3.0	NA	NA	ND<10	ND<50
B43-15	4/5/2023	2.0	NA	NA	4.2	NA	NA	ND<10	ND<50
B44-0.5	4/3/2023	3.1	NA	NA	29	NA	NA	ND<10	ND<50
B44-2.5	4/3/2023	ND<2.0	NA	NA	4.4	NA	NA	ND<10	ND<50
B45-0.5	4/3/2023	3.3	NA	NA	200	4.7	0.11	**490**	**1900**
B45-2.5	4/3/2023	NA	NA	NA	2.5	NA	NA	ND<10	ND<50
B45-15	4/3/2023	ND<2.0	NA	NA	2	NA	NA	ND<10	ND<50
B46-0.5	4/5/2023	ND<2.0	NA	NA	16	NA	NA	ND<10	ND<50
B46-2.5	4/5/2023	ND<2.0	NA	NA	8.6	NA	NA	ND<10	ND<50
B46-5	4/5/2023	ND<2.0	NA	NA	3.9	NA	NA	ND<10	ND<50
B46-10	4/5/2023	ND<2.0	NA	NA	3.1	NA	NA	ND<10	ND<50
S1	4/3/2023	3.7	NA	NA	NA	NA	NA	NA	NA
S2	4/3/2023	**31**	NA	NA	NA	NA	NA	NA	NA
S3	4/3/2023	**14**	NA	NA	NA	NA	NA	NA	NA
S4	4/3/2023	**24**	NA	NA	NA	NA	NA	NA	NA
S5	4/3/2023	6.9	NA	NA	NA	NA	NA	NA	NA
Regulatory Screening Levels (mg/kg)									
EPA RSLs (Residential Soil)		0.68	NL	NL	400	NL	NL	96*	230,000*
DTSC HERO HHRA (Residential S		0.11	NL	NL	**80***	NL	NL	NL	NL
DTSC Acceptable Clean Up Levels		**12**	--	--	--	--	--	--	--
San Francisco Bay RWQCB (Tier 1		0.067	NL	NL	32	NL	NL	**260**	**1,600***

Table 1 – Summary of Soil Analytical Results for Lead, Arsenic, and TPH

Sample ID	Date Sampled	EPA Method 6010B						TPH EPA Method 8015B (mg/kg)	
		Arsenic (TTLC) (mg/kg)	Arsenic (STLC) (mg/l)	Arsenic (TCLP) (mg/l)	Lead (TTLC) (mg/kg)	Lead (STLC) (mg/l)	Lead (TCLP) (mg/l)	DROs	MROs
Hazardous Waste Criteria									
TTLC (mg/kg)		**500**	--	--	**1,000**	--	--	--	--
10 X STLC (mg/kg)		50	--	--	50	--	--	--	--
20 X TCLP (mg/kg)		100	--	--	100	--	--	--	--
STLC (mg/l)		5	**5**	--	5	**5**	--	--	--
TCLP (mg/l)		5	--	**5**	5	--	**5**	--	--

Notes:
-- - not applicable
* - non-cancer endpoint
[1] - Two co-located samples were collected with corresponding ID of B34-2.5 due to refusal encountered in the original boring B34 on February 20, 2023. The report text refers to the second B34 sample collected on April 5, 2023
bold indicates exceedance of regulatory screening level(s) **and applicable screening levels (CGs)**
CGs - cleanup goals
DROs - diesel range organics
DTSC Acceptable Clean Up Levels- DTSC's Determination of a Southern California Regional Background Arsenic concentrations in soil (March 2008)
DTSC HERO HHRA - Department of Toxic Substances Control Human and Ecological Risk Office Human Health Risk Assessment, Note 3, Recommended Screening Levels for Soil (June 2020)
EPA - United States Environmental Protection Agency
ID - Identification
mg/kg - milligrams per kilogram
mg/l - milligrams per liter
MROs - motor oil range organics
NA - not analyzed
ND< - not detected above the laboratory reporting limit
NL - not listed
RSLs - United States Environmental Protection Agency Regional Screening Levels (May 2023)
STLC - soluble threshold limit concentration
TCLP - toxicity characteristic leaching procedure
TPH - total petroleum hydrocarbons
TTLC - total threshold limit concentration
µg/kg - micrograms per kilogram

Table 2 – Soil Excavation Areas and Estimated Volume/Weight

Excavation Area	PEA Borings with As > 12 mg/kg	PEA Borings with Pb > 80 mg/kg	PEA Borings with TPH> 260 mg/kg	PEA Maximum COC Concentration (mg/kg) / (Sample ID)	Soil Classification	Length (ft)	Width (ft)	Excavation Surface Area (ft^2)[a]	Depth of Excavation (ft bgs)	Volume of Excavation* (ft^3)[1]	Volume of Excavation (yd^3)	Excavation Weight (Tons)[2]
Area A	B3, B22, B42A	--	--	64 (B22-0.5)	Non-hazardous	148	30	4,700	2.0	13,160	487	682
Area B	B4, B4-W, B4-W3, B4-N, B4-E, B4-E2,	--	--	700 (B4-0.5)	RCRA-hazardous	25	10	250	5.0	1,750	64.8	90.7
Area B*				N/A	Non-hazardous	90	5	450	5.0	3,150	116.7	163
Area C	B21	--	--	38 (B21-0.5)	Non-hazardous	38	25	750	2.0	2,100	77.8	108.9
Area D	B14	--	--	28 (B14-0.5)	Non-hazardous	192	40	7,680	2.0	21,504	796	1,115
Area E	--	B34, B34-NE, B34-	--	360 (B34-NE-2.5)	California-hazardous	15	10	75	5.0	525	19.4	27.2
Area F	--	B45	B45	Pb: 200 (B45-0.5) TPH: 490 (B45-0.5)	Non-hazardous	10	10	100	1.0	140	5.2	7.3
									Total Volume/Weight of As-Impacted Soil	38,514	1,426	1,997
									Total Volume/Weight of Pb-Impacted Soil	525	19.4	27.2
									Total Volume/Weight of TPH-Impacted or Product Line Soil	3,290	121.9	171
									Total	42,329	1,568	2,195

Notes:

* - The eastern portion of Area B is designated for the excavation and removal of the former product line

[a] - Some removal areas are not rectangular, so various formulas are used to calculate surface area. Lengths and widths for some removal areas are estimated measurements between edges of overall removal shape.

[1] - sloughing factor of 1.4x used to estimate total volume of soil.

[2] - conversion factor of 1.4x from cubic yards to tons used

As of 12 mg/kg- DTSC's Determination of a Southern California Regional Background Arsenic concentrations in soil (March 2008)

Pb of 80 mg/kg - DTSC HERO HHRA Screening Level for Residential Soil (DTSC, 2020)

TPH DRO of 260 mg/kg - SFRWQCB Tier 1 ESL for Diesel (SFRWQCB, 2019)

-- - not applicable

As - arsenic

bgs - below ground surface

COC - Constituent of Concern

DRO - diesel range organics

DTSC - Department of Toxic Substances Control

DTSC HERO HHRA - Department of Toxic Substances Control Human and Ecological Risk Office Human Health Risk Assessment

ft - feet

ft^2 - square feet

ft^3 - cubic feet

mg/kg - milligrams per kilogram

N/A - not applicable

Pb - lead

PEA - Preliminary Environmental Assessment

RAW - removal action work plan

RCRA - Resource Conservation and Recovery Act

SFRWQCB - San Francisco Regional Water Quality Control Board

TPH - total petroleum hydrocarbons

yd^3 - cubic yard

Table 3 – Remedial Alternative Cost Comparison

Task	Remedial Alternatives*		
	Alternative 1	Alternative 2	Alternative 3
Depth of Excavation	0	0	Up to 5 feet bgs
Volume of Soil to be Transported (cubic yards)	0	0	1,568
Direct Costs			
Excavation, Transportation, Disposal, and Dust Suppression	$0	$0	$243,000
Soil Capping	$0	$75,000	$15,000
Oversight, Planning, and Maintenance Costs			
Project Coordination	$0	$20,000	$30,000
Field Sampling Layout and Excavation Boundary Markout	$0	$0	$5,000
Excavation Oversight and Air Monitoring	$0	$0	$50,000
Confirmation Soil Sampling and Waste Characterization Analysis	$0	$0	$20,000
Annual Cap Inspection (20 years)	$0	$300,000	$0
Removal Action Completion Report	$0	$0	$25,000
Public Participation Activities	$0	$0	$20,000
Engineering and O&M Plans, Land Use Restrictions, Stormwater Pollution Prevention Plan	$0	$150,000	$30,000
Indirect Costs			
Hazardous Waste Generator and Handling Fee	$0	$0	$5,898
Licenses, Permits, and Supplies	$0	$25,000	$15,000
Total Cost Before Contingency	$0	$570,000	$458,898
Contingency (15%)	$0	$85,500	$68,835
Total	**$0**	**$655,500**	**$527,733**

Notes:

* Alternative 1 - No Action.

* Alternative 2 - Containment Through Surface Cap.

* Alternative 3 - Excavation and Off-site Recycling or Disposal.

bgs - below ground surface

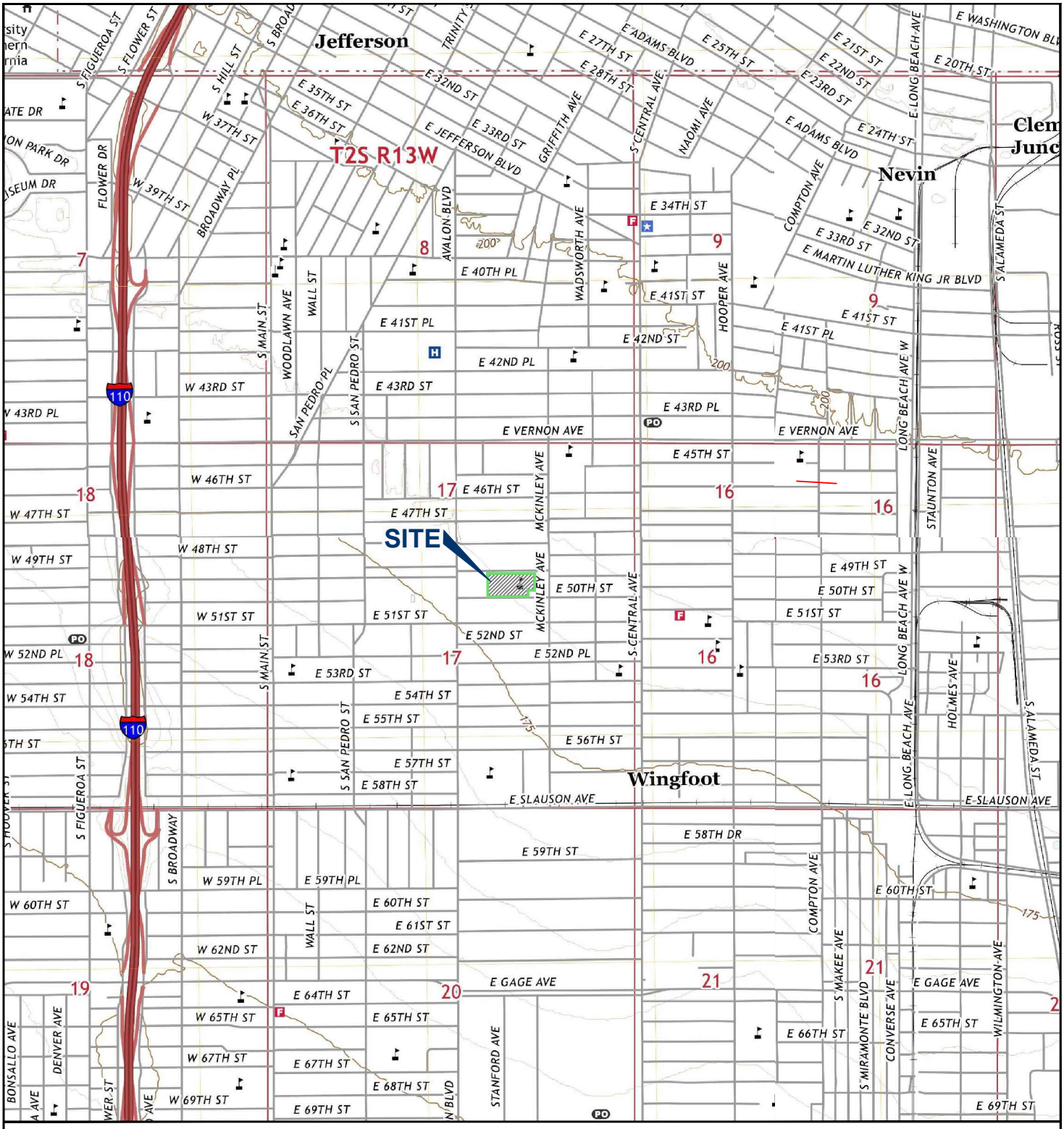
O&M - Operation and Maintenance

Table 4 – Proposed RAW Soil Confirmation Sampling Program

Excavation Area	No. of Confirmation Samples (Estimated)	Depth of Bottom Samples (ft. bgs)	Depth of Sidewall Samples (ft. bgs)	Laboratory Analytical Method(s)
Area A	36	2.5	1	Arsenic by EPA Method 6010B
Area B	8	5	2, 4	Arsenic by EPA Method 6010B
Area B	7	5	--*	TPH by EPA Method 8015B
Area C	8	2.5	1	Arsenic by EPA Method 6010B
Area D	40	2.5	1	Arsenic by EPA Method 6010B
Area E	7	5	2, 4	Lead by EPA Method 6010B
Area F	5	1	0.5	TPH by EPA Method 8015B
Total No. of confirmation samples = 111				

Notes:
ft bgs - feet below ground surface
Depth of excavation sidewalls are approximate
EPA - United States Environmental Protection Agency
No. - number
RAW - removal action workplan
* - sidewall samples will not be collected for removal of the former oil pipeline in Area B, but may be gathered from excavation bottom as needed.

FIGURES



NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE. I REFERENCE: USGS, 2021.

N

FEET

0 2,000 4,000

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FIGURE 1

SITE LOCATION

LOS ANGELES UNIFIED SCHOOL DISTRICT
49TH STREET ELEMENTARY SCHOOL
750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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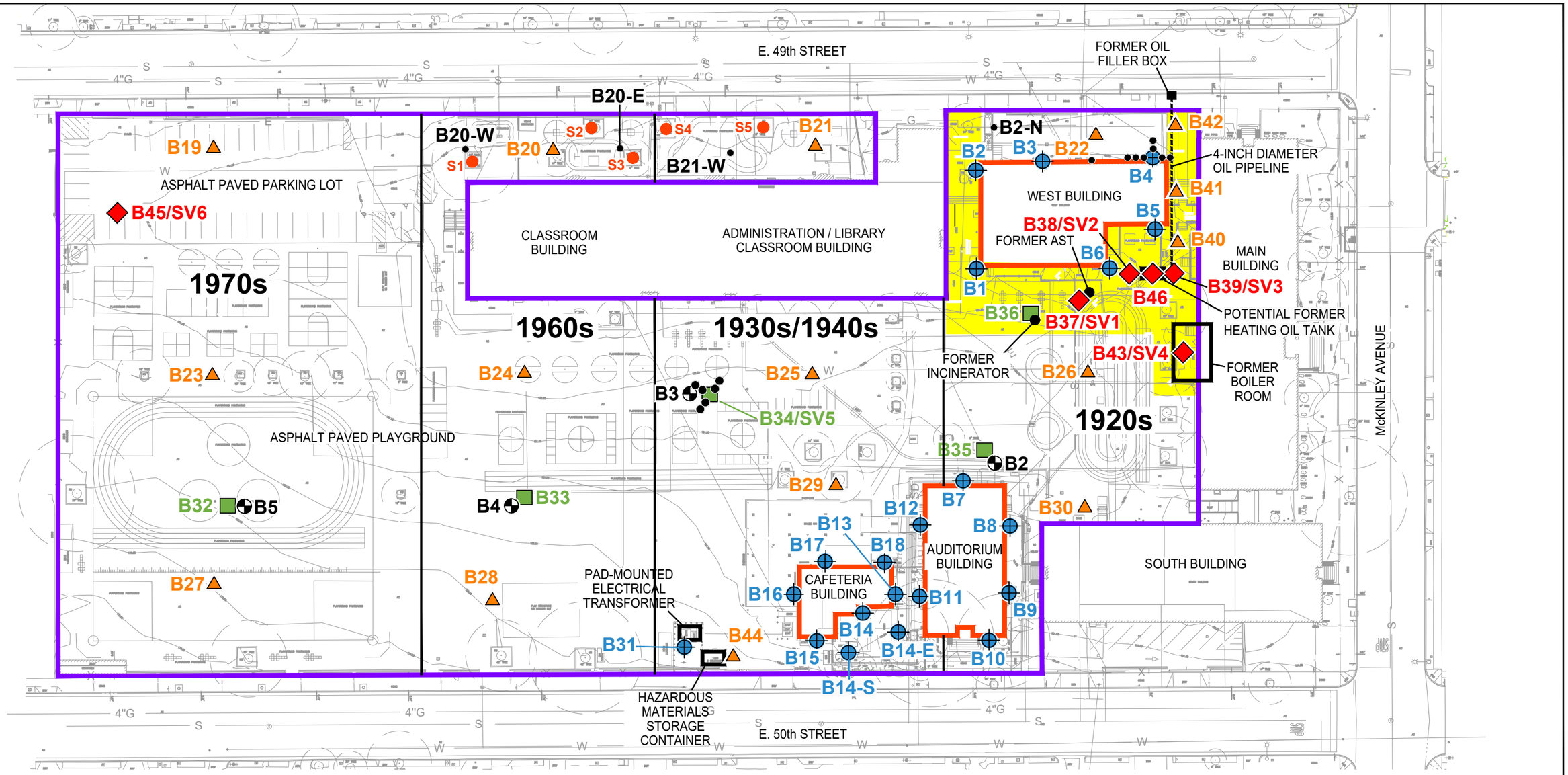

LEGEND

- PEA / COMP MOD BOUNDARY
- BUILDINGS TO BE DEMOLISHED
- LIMITS OF A FULL SCAN GEOPHYSICAL SURVEY
- B31 — SOIL BORING TO 2.5 FEET BGS
- B42 — SOIL BORING TO 5 FEET BGS
- B36 — SOIL BORING TO 10 FEET BGS
- B21 — STEP-OUT BORING
- S5 — PLANTER BOX SURFACE SAMPLE
- B46/SV7 — SOIL AND/OR SOIL VAPOR BORING TO 15 FEET BGS
- B5 — GPI 2021 GEOTECHNICAL EXPLORATORY BORING
- FT BGS — FEET BELOW GROUND SURFACE

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCES:

STANTEC TITLE VICINITY MAP, TOPOGRAPHIC SURVEY, SUBSURFACE UTILITY AND VAULT INVESTIGATION, SHEETS V1-V-10 (6/17/22).
LAUSD VAULT DIAGRAM AND PLOT PLANS (9/1/1934, 10/1/1934, 1/1/1948).
TETRA TECH PHASE I ENVIRONMENTAL SITE ASSESSMENT (3/22/22).

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FIGURE 2

PEA SAMPLING LOCATIONS

LOS ANGELES UNIFIED SCHOOL DISTRICT
49TH STREET ELEMENTARY SCHOOL
750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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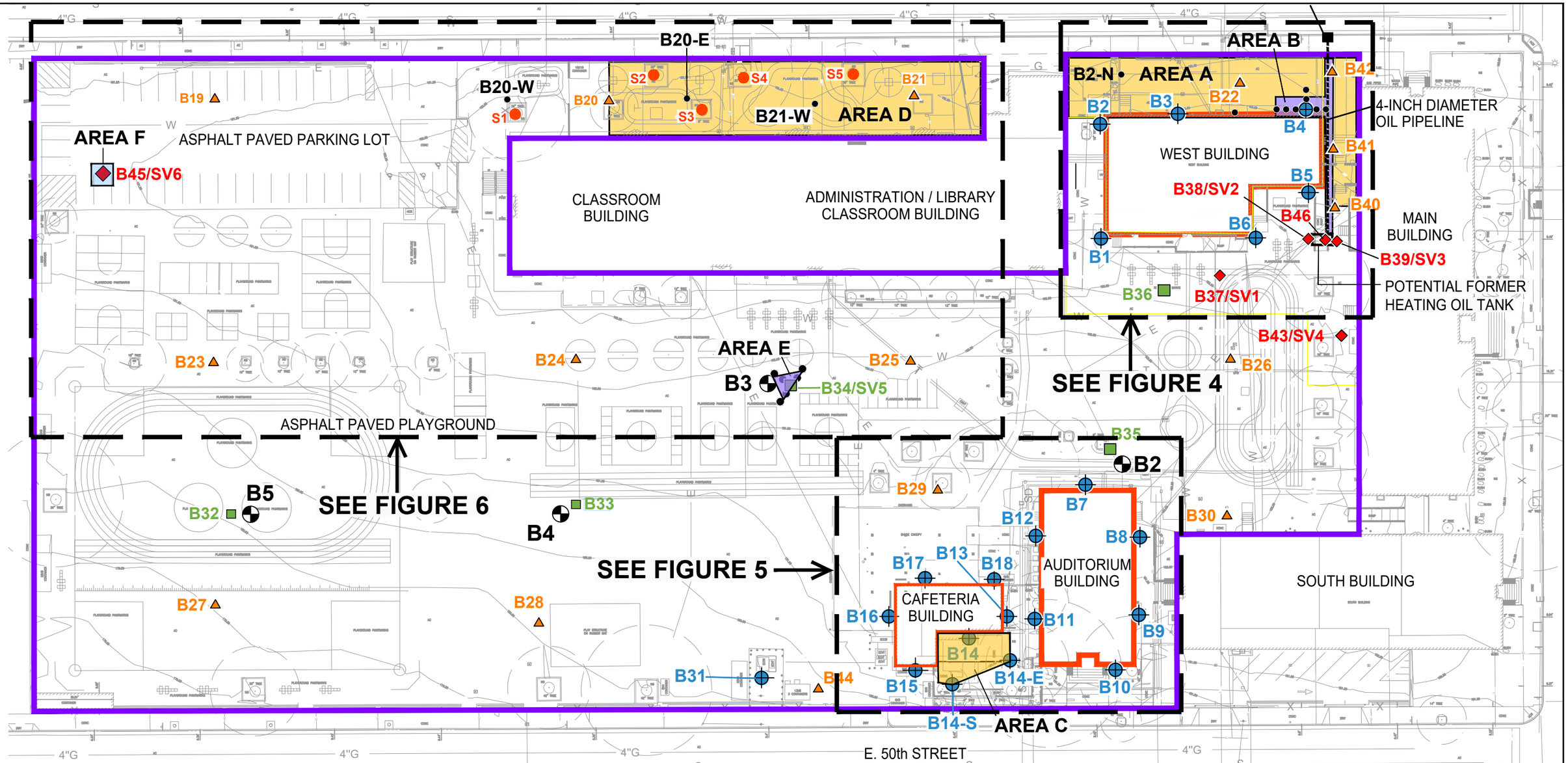

LEGEND

- PEA / COMP MOD BOUNDARY
- BUILDINGS TO BE DEMOLISHED
- B31 — SOIL BORING TO 2.5 FEET BGS
- B42 — SOIL BORING TO 5 FEET BGS
- B36 — SOIL BORING TO 10 FEET BGS
- B21 — STEP-OUT BORING
- S5 — PLANTER BOX SURFACE SAMPLE
- B46/SV7 — SOIL AND/OR SOIL VAPOR BORING TO 15 FEET BGS
- B5 — GPI 2021 GEOTECHNICAL EXPLORATORY BORING
- FT BGS — FEET BELOW GROUND SURFACE

PROPOSED EXCAVATION LIMITS AND DEPTHS

- 1.0 FT BGS
- 2.5 FT BGS
- 5.0 FT BGS

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCES:

STANTEC TITLE VICINITY MAP, TOPOGRAPHIC SURVEY, SUBSURFACE UTILITY AND VAULT INVESTIGATION, SHEETS V1-V-10 (6/17/22).
LAUSD VAULT DIAGRAM AND PLOT PLANS (9/1/1934, 10/1/1934, 1/1/1948).
TETRA TECH PHASE I ENVIRONMENTAL SITE ASSESSMENT (3/22/22).

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FIGURE 3

PROPOSED RAW EXCAVATION AREAS

LOS ANGELES UNIFIED SCHOOL DISTRICT
49TH STREET ELEMENTARY SCHOOL
750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

211936018 I 8/23

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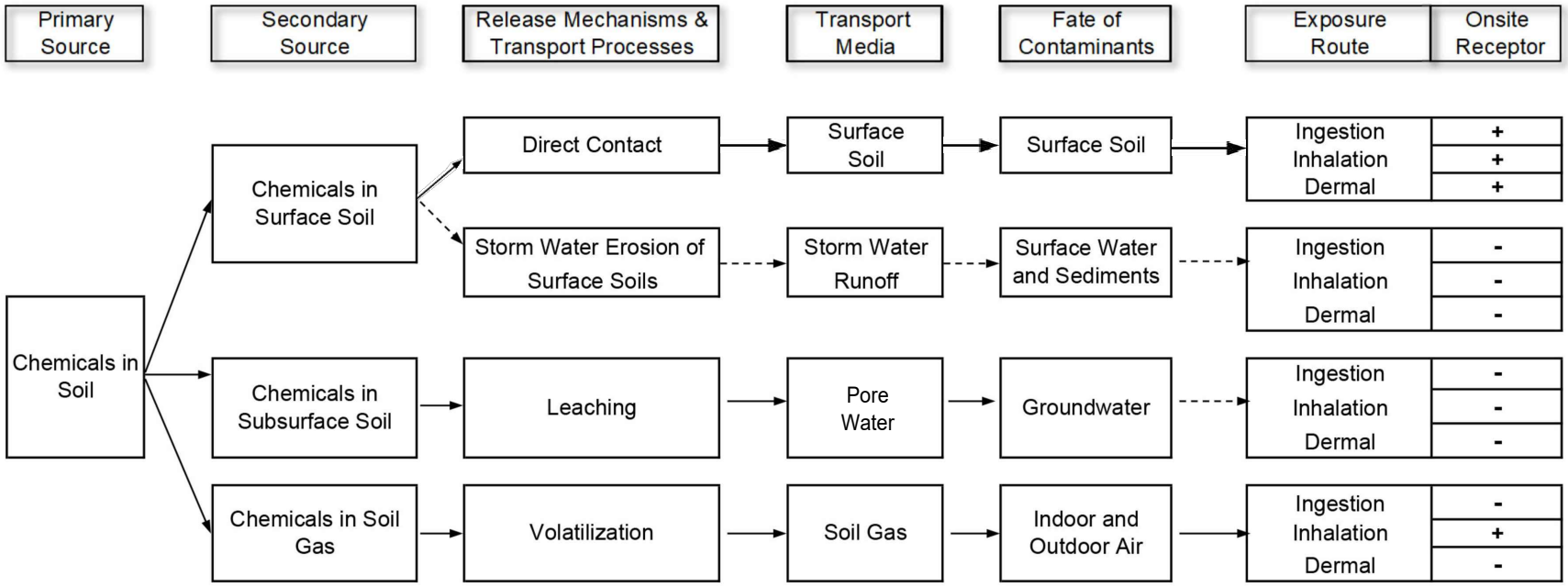

LEGEND

Complete exposure pathway

Incomplete exposure pathway

\+ Complete exposure route

\- Incomplete exposure route

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

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FIGURE 4

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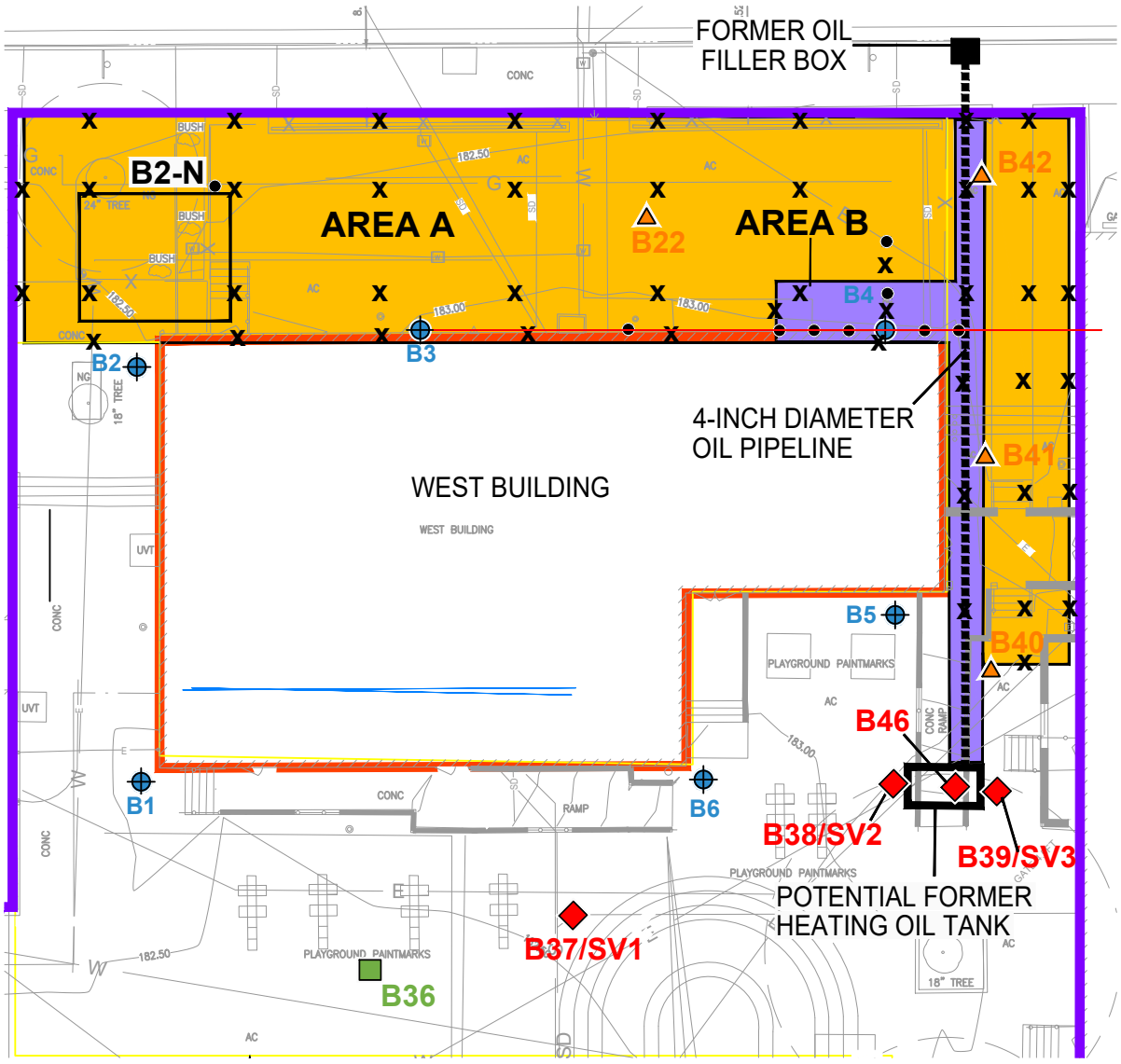
CONCEPTUAL SITE MODEL
LOS ANGELES UNIFIED SCHOOL DISTRICT
49TH STREET ELEMENTARY SCHOOL
750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

211936018 I 8/23



REFERENCES:

STANTEC TITLE VICINITY MAP, TOPOGRAPHIC SURVEY, SUBSURFACE UTILITY AND VAULT INVESTIGATION, SHEETS V1-V-10 (6/17/22).
LAUSD VAULT DIAGRAM AND PLOT PLANS (9/1/1934, 10/1/1934, 1/1/1948).
TETRA TECH PHASE I ENVIRONMENTAL SITE ASSESSMENT (3/22/22).

LEGEND

- PEA / COMP MOD BOUNDARY
- BUILDINGS TO BE DEMOLISHED
- B6 — SOIL BORING TO 2.5 FEET BGS
- B42 — SOIL BORING TO 5 FEET BGS
- B36 — SOIL BORING TO 10 FEET BGS
- B39/SV3 — SOIL AND/OR SOIL VAPOR BORING TO 15 FEET BGS
- B5 — GPI 2021 GEOTECHNICAL EXPLORATORY BORING
- FT BGS — FEET BELOW GROUND SURFACE
- X — PROPOSED CONFIRMATION SOIL SAMPLE LOCATION

PROPOSED EXCAVATION LIMITS AND DEPTHS

- 2.5 FT BGS
- 5.0 FT BGS

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

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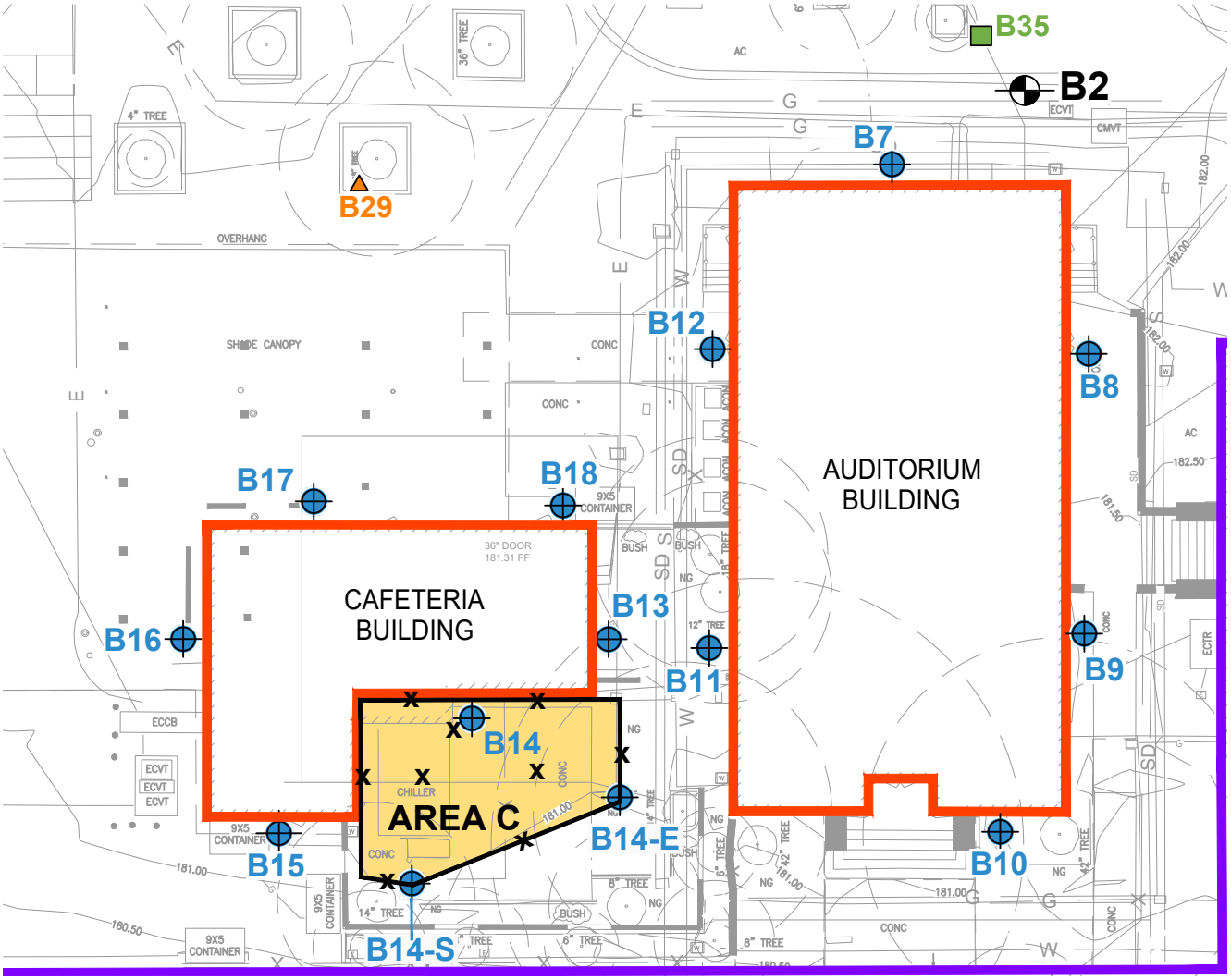
FIGURE 5

PROPOSED EXCAVATION AREAS A AND B DETAILS

LOS ANGELES UNIFIED SCHOOL DISTRICT
49TH STREET ELEMENTARY SCHOOL
750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

211936018 I 8/23

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants



REFERENCES:

STANTEC TITLE VICINITY MAP, TOPOGRAPHIC SURVEY, SUBSURFACE UTILITY AND VAULT INVESTIGATION, SHEETS V1-V-10 (6/17/22).
LAUSD VAULT DIAGRAM AND PLOT PLANS (9/1/1934, 10/1/1934, 1/1/1948).
TETRA TECH PHASE I ENVIRONMENTAL SITE ASSESSMENT (3/22/22).

LEGEND

- PEA / COMP MOD BOUNDARY
- BUILDINGS TO BE DEMOLISHED
- B18 SOIL BORING TO 2.5 FEET BGS
- B29 SOIL BORING TO 5 FEET BGS
- B35 SOIL BORING TO 10 FEET BGS
- B39/SV3 SOIL AND/OR SOIL VAPOR BORING TO 15 FEET BGS
- B2 GPI 2021 GEOTECHNICAL EXPLORATORY BORING
- FT BGS FEET BELOW GROUND SURFACE
- X PROPOSED CONFIRMATION SOIL SAMPLE LOCATION

PROPOSED EXCAVATION LIMITS AND DEPTHS

- 2.5 FT BGS

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

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FIGURE 6

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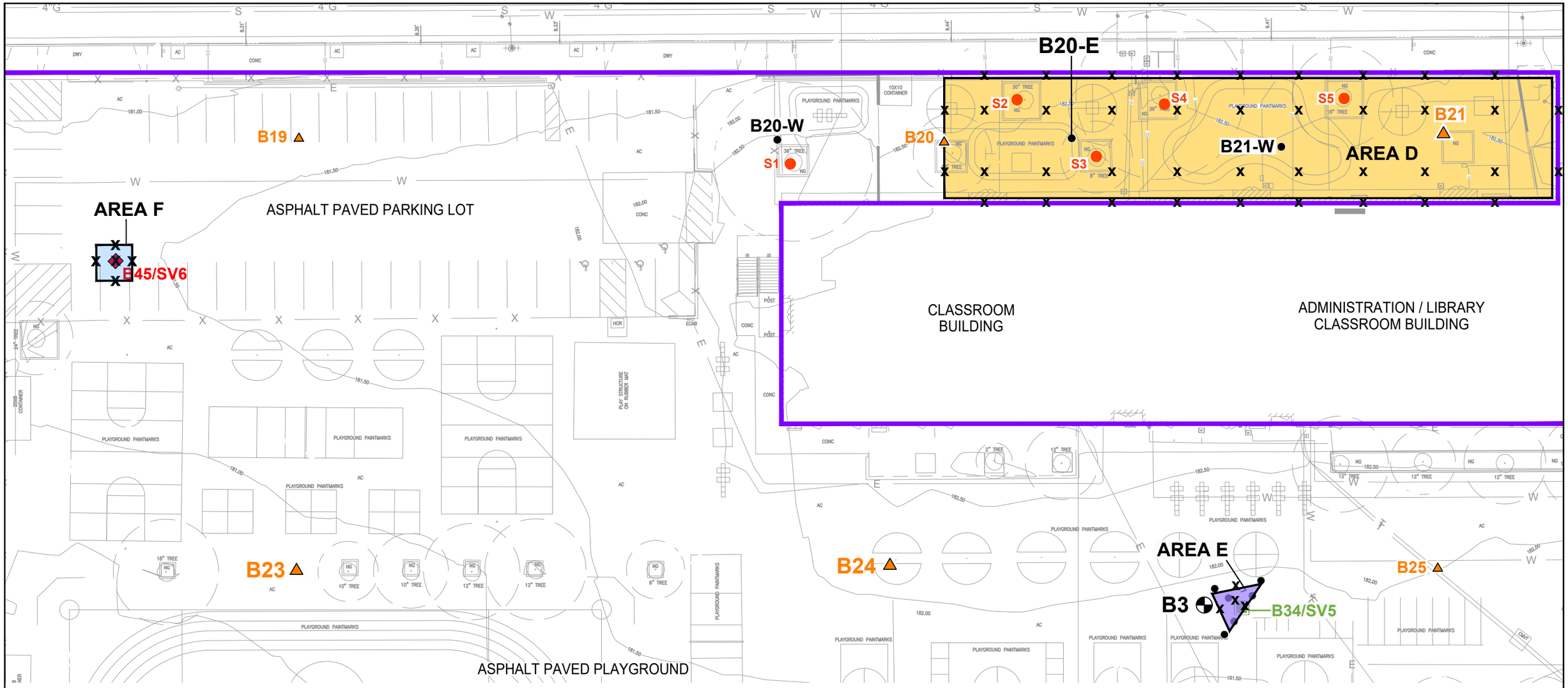
PROPOSED EXCAVATION AREA C DETAIL

LOS ANGELES UNIFIED SCHOOL DISTRICT
49TH STREET ELEMENTARY SCHOOL
750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

211936018 I 8/23



LEGEND

- PEA / COMP MOD BOUNDARY
- B25 — SOIL BORING TO 5 FEET BGS
- B34/SV5 — SOIL BORING TO 10 FEET BGS
- B21-W — STEP-OUT BORING
- S5 — PLANTER BOX SURFACE SAMPLE
- B45/SV6 — SOIL AND/OR SOIL VAPOR BORING TO 15 FEET BGS
- B3 — GPI 2021 GEOTECHNICAL EXPLORATORY BORING
- FT BGS — FEET BELOW GROUND SURFACE
- X — PROPOSED CONFIRMATION SOIL SAMPLE LOCATION

PROPOSED EXCAVATION LIMITS AND DEPTHS

- 1.0 FT BGS
- 2.5 FT BGS
- 5.0 FT BGS

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCES:

STANTEC TITLE VICINITY MAP, TOPOGRAPHIC SURVEY, SUBSURFACE UTILITY AND VAULT INVESTIGATION, SHEETS V1-V-10 (6/17/22).
LAUSD VAULT DIAGRAM AND PLOT PLANS (9/1/1934, 10/1/1934, 1/1/1948).
TETRA TECH PHASE I ENVIRONMENTAL SITE ASSESSMENT (3/22/22).

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FIGURE 7

PROPOSED EXCAVATION AREAS D, E AND F DETAILS

LOS ANGELES UNIFIED SCHOOL DISTRICT
49TH STREET ELEMENTARY SCHOOL
750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

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APPENDIX A

2023 PEA Sampling Results (Tables and Figures)

Table 2 – Soil Sample Analytical Results – Metals

Sample ID	Date Sampled	EPA Method 6010B/7471A (mg/kg)																				
		Antimony	Arsenic (TTLC)	Arsenic (STLC) (mg/l)	Arsenic (TCLP) (mg/l)	Barium	Beryllium	Cadmium	Chromium	Chromium, Hexavalent (µg/kg)	Cobalt	Copper	Lead (TTLC)	Lead (STLC) (mg/l)	Lead (TCLP) (mg/l)	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
B1-0.5	2/18/2023	NA	ND<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B2-0.5	2/18/2023	ND<2.0	ND<2.0	NA	NA	84	ND<0.5	ND<0.5	12	ND<0.4	6.9	9.7	17	NA	NA	0.22	ND<1.0	7.1	ND<4.8	ND<0.5	ND<2.0	28	48
B2-N-0.5	4/3/2023	NA	3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B3-0.5	2/18/2023	ND<2.0	52	2.5	NA	92	ND<0.5	1.6	13	ND<0.4	7.8	12	26	NA	NA	ND<0.10	ND<1.0	7.7	ND<4.8	ND<0.5	ND<2.0	31	66
B3-2.5	2/18/2023	NA	ND<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-0.5	2/18/2023	ND<2.0	700	53	22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-2.5	2/18/2023	NA	130	7.0	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-5	4/3/2023	NA	3.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-E-0.5	4/3/2023	NA	26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-E-2.5	4/3/2023	NA	3.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-E2-0.5	4/3/2023	NA	46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-W-0.5	4/3/2023	NA	720	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-W-2.5	4/3/2023	NA	130	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-W2-0.5	4/3/2023	NA	180	11	4.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-W3-0.5	5/6/2023	NA	53	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4-N-0.5	4/3/2023	NA	35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B5-0.5	2/18/2023	ND<2.0	ND<2.0	NA	NA	100	ND<0.5	ND<0.5	16	ND<0.4	10	14	6	NA	NA	ND<0.10	ND<1.0	9.6	ND<4.8	ND<0.5	ND<2.0	39	NA
B6-0.5	2/18/2023	NA	ND<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B7-0.5	2/18/2023	NA	ND<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B8-0.5	2/18/2023	ND<2.0	ND<2.0	NA	NA	77	ND<0.5	ND<0.5	11	ND<0.4	7.2	9.4	4.8	NA	NA	ND<0.10	ND<1.0	6.6	ND<4.8	ND<0.5	ND<2.0	27	39
B9-0.5	2/18/2023	ND<2.0	ND<2.0	NA	NA	74	ND<0.5	ND<0.5	9	ND<0.4	6.3	9	9.1	NA	NA	ND<0.10	ND<1.0	5.9	ND<4.8	ND<0.5	ND<2.0	23	39
B10-0.5	2/18/2023	NA	2.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	91	3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
B10-2.5	2/18/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B11-0.5	2/18/2023	ND<2.0	6.8	NA	NA	ND<1.0	ND<0.5	ND<0.5	ND<0.5	NA	ND<0.5	NA	55	1.8	NA	ND<0.10	NA	NA	NA	NA	NA	NA	NA
B11-2.5	2/18/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B12-0.5	2/18/2023	ND<2.0	ND<2.0	NA	NA	70	ND<0.5	ND<0.5	10	ND<0.4	6.7	9.2	18	ND<0.1	NA	ND<0.10	ND<1.0	6.4	ND<4.8	ND<0.5	ND<2.0	26	42
B13-0.5	2/18/2023	ND<2.0	3.2	NA	NA	ND<1.0	ND<0.5	ND<0.5	ND<0.5	NA	ND<0.5	NA	53	1.6	NA	ND<0.10	NA	NA	NA	NA	NA	NA	NA
B13-2.5	2/18/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B14-0.5	2/18/2023	ND<2.0	28	NA	NA	110	ND<0.5	1.2	19	ND<0.4	9.1	18	32	ND<0.1	NA	ND<0.10	ND<1.0	12	ND<4.8	ND<0.5	ND<2.0	36	110
B14-2.5	2/18/2023	NA	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B14-E-0.5	4/3/2023	NA	4.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B14-S-0.5	4/3/2023	NA	7.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B15-0.5	2/18/2023	ND<2.0	5.9	NA	NA	100	ND<0.5	ND<0.5	19	ND<0.4	9.6	16	24	ND<0.1	NA	ND<0.10	ND<1.0	13	ND<4.8	ND<0.5	ND<2.0	39	79
B16-0.5	2/18/2023	NA	7.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	92	1.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
B16-2.5	2/18/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B17-0.5	2/18/2023	NA	6.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B18-0.5	2/18/2023	ND<2.0	ND<2.0	NA	NA	110	ND<0.5	ND<0.5	18	ND<0.4	8.3	13	36	ND<0.1	NA	ND<0.10	ND<1.0	9.2	ND<4.8	ND<0.5	ND<2.0	34	90
B19-0.5	2/20/2023	NA	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	63	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
B20-0.5	2/20/2023	ND<2.0	3.2	NA	NA	62	ND<0.5	ND<0.5	13	ND<0.4	7	12	18	NA	NA	ND<0.10	ND<1	11	ND<4.8	ND<0.5	ND<2.0	25	75
B20-W-0.5	4/3/2023	NA	ND<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B20-E-0.5	4/3/2023	NA	3.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B21-0.5	2/20/2023	NA	38	NA	NA	NA	NA	NA	NA	NA	NA	NA	42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B21-2.5	2/20/2023	NA	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B21-W-0.5	4/3/2023	NA	7.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-0.5	2/18/2023	ND<2.0	64	2.8	NA	NA	NA	NA	NA	NA	NA	NA	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B22-2.5	2/18/2023	NA	2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B23-0.5	2/20/2023	ND<2.0	ND<2.0	NA	NA	55	ND<0.5	ND<0.5	7.1	ND<0.4	5	11	38	NA	NA	0.24	ND<1.0	5.9	ND<4.8	ND<0.5	ND<2.0	20	54

Table 2 – Soil Sample Analytical Results – Metals

Sample ID	Date Sampled	EPA Method 6010B/7471A (mg/kg)																				
		Antimony	Arsenic (TTLC)	Arsenic (STLC) (mg/l)	Arsenic (TCLP) (mg/l)	Barium	Beryllium	Cadmium	Chromium	Chromium, Hexavalent (µg/kg)	Cobalt	Copper	Lead (TTLC)	Lead (STLC) (mg/l)	Lead (TCLP) (mg/l)	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
B24-0.5	2/20/2023	NA	ND<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	66	2.8	NA	ND<0.10	NA	NA	NA	NA	NA	NA	NA
B25-0.5	2/20/2023	ND<2.0	3.6	NA	NA	86	ND<0.5	ND<0.5	15	ND<0.4	8.1	14	21	NA	NA	0.11	ND<1.0	9.8	ND<4.8	ND<0.5	ND<2.0	32	56
B26-0.5	2/20/2023	ND<2.0	2.8	NA	NA	83	ND<0.5	ND<0.5	15	0.23 J	18	18	34	NA	NA	ND<1.0	ND<1.0	10	ND<4.8	ND<0.5	ND<2.0	30	98
B27-0.5	2/20/2023	NA	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B28-0.5	2/20/2023	NA	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B29-0.5	2/20/2023	NA	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B30-0.5	2/20/2023	NA	ND<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B32-2.5	2/20/2023	ND<2.0	ND<2.0	NA	NA	130	ND<0.5	ND<0.5	19	NA	12	19	6	NA	NA	0.11	ND<1.0	12	ND<4.8	ND<0.5	ND<2.0	44	60
B32-5	2/20/2023	ND<2.0	ND<2.0	NA	NA	130	ND<0.5	ND<0.5	19	NA	13	17	4.6	NA	NA	0.15	ND<1.0	12	ND<4.8	ND<0.5	ND<2.0	49	64
B33-2.5	2/20/2023	ND<2.0	3.9	NA	NA	160	0.58	ND<0.5	24	NA	16	23	6.7	NA	NA	0.11	ND<1.0	17	ND<4.8	ND<0.5	ND<2.0	55	77
B33-5	2/20/2023	ND<2.0	ND<2.0	NA	NA	150	0.57	ND<0.5	22	NA	15	22	5.3	NA	NA	ND<1.0	ND<1.0	15	ND<4.8	ND<0.5	ND<2.0	52	71
B34-2.5[1]	2/20/2023	ND<2.5	ND<2.0	NA	NA	140	ND<0.50	ND<0.50	19	NA	12	18	24	NA	NA	0.12	ND<1.0	12	ND<4.8	ND<0.50	ND<0.20	41	120
B34-2.5	4/5/2023	ND<2.0	2.4	NA	NA	190	ND<0.5	ND<0.5	12	NA	7.3	17	230	11	0.19	0.11	ND<1.0	8.0	ND<4.8	ND<0.5	ND<2.0	27	210
B34-5	4/5/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B34-10	4/5/2023	ND<2.0	ND<2.0	NA	NA	71	ND<0.5	ND<0.5	10	NA	7.7	11	3.3	NA	NA	ND<0.10	ND<1.0	6.9	ND<4.8	ND<0.5	ND<2.0	28	35
B34-NW-2.5	2/20/2023	ND<2.0	ND<2.0	NA	NA	140	ND<0.5	ND<0.5	19	NA	12	18	24	NA	NA	NA	ND<1.0	12	ND<4.8	ND<0.5	ND<2.0	41	120
B34-NE-0.5	5/6/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B34-NE-2.5	5/6/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B34-NE2-2.5	5/6/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	94	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
B34-SW-0.5	5/6/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B34-SW-2.5	5/6/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B35-2.5	4/5/2023	ND<2.0	ND<2.0	NA	NA	85	ND<0.5	ND<0.5	13	NA	8.3	12	3.4	NA	NA	0.11	ND<1.0	8.5	ND<4.8	ND<0.5	ND<2.0	32	45
B35-10	4/5/2023	ND<2.0	ND<2.0	NA	NA	71	ND<0.5	ND<0.5	10	NA	7.0	11	2.4	NA	NA	0.18	ND<1.0	6.4	ND<4.8	ND<0.5	ND<2.0	26	35
B36-0.5	4/5/2023	ND<2.0	2.1	NA	NA	88	ND<0.5	ND<0.5	13	NA	7.6	19	15	NA	NA	0.18	ND<1.0	7.9	ND<4.8	ND<0.5	ND<2.0	31	46
B36-2.5	4/5/2023	ND<2.0	2.2	NA	NA	110	ND<0.5	ND<0.5	15	NA	10	15	5.6	NA	NA	0.20	ND<1.0	11	ND<4.8	ND<0.5	ND<2.0	39	51
B37-0.5	4/5/2023	ND<2.0	2.3	NA	NA	100	ND<0.5	ND<0.5	14	NA	9.4	13	13	NA	NA	0.14	ND<1.0	9.2	ND<4.8	ND<0.5	ND<2.0	36	62
B37-2.5	4/5/2023	ND<2.0	ND<2.0	NA	NA	120	ND<0.5	ND<0.5	18	NA	12	16	4.1	NA	NA	0.13	ND<1.0	12	ND<4.8	ND<0.5	ND<2.0	46	56
B37-5	4/5/2023	ND<2.0	ND<2.0	NA	NA	94	ND<0.5	ND<0.5	14	NA	9.8	13	3.9	NA	NA	0.11	ND<1.0	9.6	ND<4.8	ND<0.5	ND<2.0	37	46
B37-10	4/5/2023	ND<2.0	3.9	NA	NA	150	0.76	ND<0.5	21	NA	14	24	6.3	NA	NA	0.14	ND<1.0	15	ND<4.8	ND<0.5	ND<2.0	53	67
B37-15	4/5/2023	ND<2.0	ND<2.0	NA	NA	80	ND<0.5	ND<0.5	13	NA	8.5	11	2.6	NA	NA	ND<0.10	ND<1.0	8.4	ND<4.8	ND<0.5	ND<2.0	34	41
B38-0.5	4/5/2023	ND<2.0	ND<2.0	NA	NA	110	ND<0.5	ND<0.5	15	NA	10	15	8.4	NA	NA	0.15	ND<1.0	10	ND<4.8	ND<0.5	ND<2.0	39	53
B38-2.5	4/5/2023	ND<2.0	ND<2.0	NA	NA	100	ND<0.5	ND<0.5	15	NA	10	14	6.9	NA	NA	0.18	ND<1.0	9.7	ND<4.8	ND<0.5	ND<2.0	40	51
B38-5	4/5/2023	ND<2.0	2.5	NA	NA	150	0.71	ND<0.5	23	NA	14	25	6.8	NA	NA	0.49	ND<1.0	16	ND<4.8	ND<0.5	ND<2.0	54	67
B38-10	4/5/2023	ND<2.0	2.2	NA	NA	85	ND<0.5	ND<0.5	12	NA	8.1	11	2.6	NA	NA	0.13	ND<1.0	7.5	ND<4.8	ND<0.5	ND<2.0	30	40
B38-15	4/5/2023	ND<2.0	ND<2.0	NA	NA	82	ND<0.5	ND<0.5	14	NA	7.6	13	5.7	NA	NA	0.19	ND<1.0	11	ND<4.8	ND<0.5	ND<2.0	33	42
B39-0.5	4/5/2023	ND<2.0	ND<2.0	NA	NA	100	ND<0.5	ND<0.5	15	NA	9.6	15	16	NA	NA	0.11	ND<1.0	9.9	ND<4.8	ND<0.5	ND<2.0	39	58
B39-2.5	4/5/2023	ND<2.0	ND<2.0	NA	NA	93	ND<0.5	ND<0.5	14	NA	7.8	11	6.9	NA	NA	0.19	ND<1.0	7.9	ND<4.8	ND<0.5	ND<2.0	32	46
B39-5	4/5/2023	ND<2.0	ND<2.0	NA	NA	150	ND<0.5	ND<0.5	16	NA	9.6	14	13	NA	NA	0.17	ND<1.0	10	ND<4.8	ND<0.5	ND<2.0	38	62
B39-10	4/5/2023	ND<2.0	ND<2.0	NA	NA	82	ND<0.5	ND<0.5	9.7	NA	7.3	9.3	2.1	NA	NA	0.18	ND<1.0	6.4	ND<4.8	ND<0.5	ND<2.0	26	40
B39-15	4/5/2023	ND<2.0	ND<2.0	NA	NA	49	ND<0.5	ND<0.5	5.6	NA	4.9	ND<5	1.4	NA	NA	ND<0.10	ND<1.0	4.1	ND<4.8	ND<0.5	ND<2.0	18	260
B40A-0.5	5/6/2023	NA	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B40-2.5	2/18/2023	NA	ND<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B41A-0.5	5/6/2023	NA	89	6.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B41-2.5	2/18/2023	NA	2.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B42A-0.5	4/3/2023	NA	63	2.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B42A-2.5	4/3/2023	NA	2.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3 – Soil Sample Analytical Results – TPHs, VOCs, PAHs, Asbestos

Sample ID	Date Sample Collected	TPHs EPA Method 8015B (mg/kg)			VOC's EPA 8260B (µg/kg)	PAHs EPA 8270C (µg/kg)	Asbestos PLM (percentage)
		DROs	MROs	GROs			
B2-0.5	2/18/2023	NA	NA	NA	NA	ND	ND
B3-0.5	2/18/2023	NA	NA	NA	NA	ND	ND
B5-0.5	2/18/2023	NA	NA	NA	NA	ND	ND
B8-0.5	2/18/2023	NA	NA	NA	NA	ND	ND
B9-0.5	2/18/2023	NA	NA	NA	NA	ND	ND
B12-0.5	2/18/2023	NA	NA	NA	NA	ND	ND
B14-0.5	2/18/2023	NA	NA	NA	NA	ND	ND
B15-0.5	2/18/2023	NA	NA	NA	NA	ND	ND
B18-0.5	2/18/2023	NA	NA	NA	NA	ND	ND
B20-0.5	2/20/2023	ND<10	ND<50	ND<0.2	NA	ND	ND<0.1%
B20-2.5	2/20/2023	NA	NA	NA	NA	NA	ND<0.1%
B23-0.5	2/20/2023	NA	NA	NA	NA	ND	ND
B25-0.5	2/20/2023	NA	NA	NA	NA	ND	ND
B26-0.5	2/20/2023	NA	NA	NA	NA	ND	ND
B32-2.5	2/20/2023	ND<10	120	ND<0.2	ND	NA	NA
B32-5	2/20/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B33-2.5	2/20/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B33-5	2/20/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B34-2.5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B34-10	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B34-W-2.5	2/20/2023	NA	NA	NA	ND	NA	NA
B35-2.5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B35-10	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B36-0.5	4/5/2023	18	78	ND<0.2	ND	ND	NA
B36-2.5	4/5/2023	ND<10	ND<50	ND<0.2	ND	ND	NA
B37-0.5	4/5/2023	ND<10	ND<50	ND<0.2	NA	NA	NA
B37-2.5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B37-5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B37-10	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B37-15	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B38-0.5	4/5/2023	ND<10	ND<50	ND<0.2	NA	NA	NA
B38-2.5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B38-5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B38-10	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B38-15	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B39-0.5	4/5/2023	ND<10	ND<50	ND<0.2	NA	NA	NA
B39-2.5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B39-5	4/5/2023	12	ND<50	ND<0.2	ND	NA	NA
B39-10	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B39-15	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B40-2.5	2/18/2023	ND<10	140	ND<0.2	ND	NA	NA
B41-2.5	2/18/2023	14	75	ND<0.2	ND	NA	NA
B42-2.5	2/18/2023	ND<10	67	ND<0.2	ND	NA	NA
B43-0.5	4/5/2023	ND<10	ND<50	ND<0.2	NA	NA	NA
B43-2.5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B43-5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B43-10	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA

Table 3 – Soil Sample Analytical Results – TPHs, VOCs, PAHs, Asbestos

Sample ID	Date Sample Collected	TPHs EPA Method 8015B (mg/kg)			VOC's EPA 8260B (µg/kg)	PAHs EPA 8270C (µg/kg)	Asbestos PLM (percentage)
		DROs	MROs	GROs			
B43-15	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B44-0.5	4/3/2023	ND<10	ND<50	0.71	ND	NA	NA
B44-2.5	4/3/2023	ND<10	ND<50	0.58	ND	NA	NA
B45-0.5	4/3/2023	**490**	**1,900**	0.67	ND	NA	NA
B45-2.5	4/3/2023	ND<10	ND<50	NA	NA	NA	NA
B45-15	4/3/2023	ND<10	ND<50	0.67	ND	NA	NA
B46-0.5	4/5/2023	ND<10	ND<50	ND<0.2	NA	NA	NA
B46-2.5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B46-5	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
B46-10	4/5/2023	ND<10	ND<50	ND<0.2	ND	NA	NA
Regulatory Screening Levels (mg/kg)					**(µg/kg)**		**(%)**
EPA RSLs (Residential Soil)		97*	2,400*	82*	Various	Various	NL
San Francisco Bay RWQCB (Tier 1 ESLs)		260*	1,600*	100*	Various	Various	NL

Notes:
* - non-cancer endpoint
bold indicates exceedance of regulatory screening level(s)
DROs - diesel range organics
EPA - United States Environmental Protection Agency
ESLs - San Francisco Bay RWQCB Environmental Tier 1 Screening Levels for Direct Exposure Human Health Risk Levels, Residential: Shallow Soil Exposure (January 2019)
GROs - gasoline range organics
ID - Identification
mg/kg - milligrams per kilogram
MROs - motor oil range organics
NA - not analyzed
ND< - not detected above the laboratory reporting limit
NL - not listed
PAHs - polycyclic aromatic hydrocarbon
PLM - polarized light microscopy
RSLs - United States Environmental Protection Agency Regional Screening Levels (May 2023)
RWQCB - Regional Water Quality Control Board
TPH - total petroleum hydrocarbons
VOCs - volatile organic compounds
µg/kg - micrograms per kilogram

Table 2 – Soil Sample Analytical Results – Metals

Sample ID	Date Sampled	EPA Method 6010B/7471A (mg/kg)																				
		Antimony	Arsenic (TTLC)	Arsenic (STLC) (mg/l)	Arsenic (TCLP) (mg/l)	Barium	Beryllium	Cadmium	Chromium	Chromium, Hexavalent (µg/kg)	Cobalt	Copper	Lead (TTLC)	Lead (STLC) (mg/l)	Lead (TCLP) (mg/l)	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
B44-0.5	4/3/2023	ND<2.0	3.1	NA	NA	130	ND<0.5	ND<0.5	20	NA	12	17	29	NA	NA	ND<0.10	ND<1.0	13	ND<4.8	ND<0.5	ND<2.0	42	100
B44-2.5	4/3/2023	ND<2.0	ND<2.0	NA	NA	130	ND<0.5	ND<0.5	18	NA	12	17	4.4	NA	NA	ND<0.10	ND<1.0	12	ND<4.8	ND<0.5	ND<2.0	42	62
B45-0.5	4/3/2023	ND<2.0	3.3	NA	NA	120	ND<0.5	0.56	13	NA	8.5	36	200	4.7	0.11	0.26	ND<1.0	14	ND<4.8	ND<0.5	ND<2.0	32	250
B45-2.5	4/3/2023	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
B45-15	4/3/2023	ND<2.0	ND<2.0	NA	NA	72	ND<0.5	ND<0.5	9	NA	7.6	7.9	2	NA	NA	ND<0.10	ND<1.0	6.3	ND<4.8	ND<0.5	ND<2.0	25	36
B43-0.5	4/5/2023	ND<2.0	ND<2.0	NA	NA	430	ND<0.5	ND<0.5	12	NA	7.7	11	7.1	NA	NA	0.15	ND<1.0	7.6	ND<4.8	ND<0.5	ND<2.0	32	50
B43-2.5	4/5/2023	ND<2.0	ND<2.0	NA	NA	110	ND<0.5	ND<0.5	13	NA	9.0	13	4.7	NA	NA	0.10	ND<1.0	8.7	ND<4.8	ND<0.5	ND<2.0	35	49
B43-5	4/5/2023	ND<2.0	2.5	NA	NA	130	0.59	ND<0.5	20	NA	13	20	4.2	NA	NA	0.19	ND<1.0	13	ND<4.8	ND<0.5	ND<2.0	52	62
B43-10	4/5/2023	ND<2.0	ND<2.0	NA	NA	95	ND<0.5	ND<0.5	12	NA	8.9	13	3.0	NA	NA	0.16	ND<1.0	8.1	ND<4.8	ND<0.5	ND<2.0	31	44
B43-15	4/5/2023	ND<2.0	2.0	NA	NA	110	0.54	ND<0.5	17	NA	12	19	4.2	NA	NA	0.11	ND<1.0	12	ND<4.8	ND<0.5	ND<2.0	45	56
B46-0.5	4/5/2023	ND<2.0	ND<2.0	NA	NA	100	ND<0.5	ND<0.5	15	NA	8.9	14	16	NA	NA	0.45	ND<1.0	9.3	ND<4.8	ND<0.5	ND<2.0	36	71
B46-2.5	4/5/2023	ND<2.0	ND<2.0	NA	NA	95	ND<0.5	ND<0.5	15	NA	9.5	13	8.6	NA	NA	0.14	ND<1.0	9.4	ND<4.8	ND<0.5	ND<2.0	38	52
B46-5	4/5/2023	ND<2.0	ND<2.0	NA	NA	88	ND<0.5	ND<0.5	14	NA	8.8	13	3.9	NA	NA	0.12	ND<1.0	8.6	ND<4.8	ND<0.5	ND<2.0	34	44
B46-10	4/5/2023	ND<2.0	ND<2.0	NA	NA	84	ND<0.5	ND<0.5	12	NA	8.6	12	3.1	NA	NA	ND<0.10	ND<1.0	8.3	ND<4.8	ND<0.5	ND<2.0	32	43
S1	4/3/2023	NA	3.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S2	4/3/2023	NA	31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S3	4/3/2023	NA	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S4	4/3/2023	NA	24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S5	4/3/2023	NA	6.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Regulatory Screening Levels (mg/kg)																							
EPA RSLs (Residential Soil)		31*	0.68	NL	NL	15,000*	160*	7.1*	NL	6.3	23*	3,100*	400	NL	NL	11	390*	1,500*	390*	390*	0.78	390*	23,000*
DTSC HERO HHRA (Residential Soil)		NL	0.11	NL	NL	NL	16*	910	NL	NL	NL	NL	80*	NL	NL	1.0	NL	820*	NL	NL	NL	NL	NL
DTSC Acceptable Clean Up Levels		NL	12	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL	NL
Hazardous Waste Criteria																							
TTLC (mg/kg)		500	500	--	--	10,000	75	100	2,500	500	8,000	2,500	1,000	--	--	20	3,500	2,000	100	500	700	2,400	5,000
10 X STLC (mg/kg)		150	50	--	--	1,000	7.5	10	50	50	800	250	50	--	--	2	3,500	200	10	50	70	240	2,500
20 X TCLP (mg/kg)		--	100	--	--	2000	--	20	100	--	--	--	100	--	--	4	--	--	20	100	--	--	--
STLC (mg/l)		15	5	5	--	100	0.75	1	5	5	80	25	5	5	--	0.2	350	20	1	5	7	24	250
TCLP (mg/l)		NL	5	--	5	100	NL	1	5	NL	NL	NL	5	--	5	0.2	NL	NL	1	5	NL	NL	NL

Notes:

-- - not applicable

* - non-cancer endpoint

[1] - Two co-located samples were collected with corresponding ID of B34-2.5 due to refusal encouuntered in the original boring B34 on February 20, 2023. The report text refers to the second B34 sample collected on April 5, 2023.

bold indicates exceedance of regulatory screening level(s)

DTSC HERO HHRA - Department of Toxic Substances Control Human and Ecological Risk Office Human Health Risk Assessment, Note 3, Recommended Screening Levels for Soil (June 2020)

EPA - United States Environmental Protection Agency

ID - Identification

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

mg/kg - milligrams per kilogram

mg/l - milligrams per liter

NA - not analyzed

ND< - not detected above the laboratory reporting limit

NL - not listed

RSLs - United States Environmental Protection Agency Regional Screening Levels (May 2023)

STLC - soluble threshold limit concentration

TCLP - toxicity characteristic leaching procedure

TTLC - total threshold limit concentration

µg/kg - micrograms per kilogram

Table 4 – Soil Analytical Results – OCPs & PCBs

Sample ID	Date Sample Collected	OCPs by EPA Method 8081A (µg/kg)	PCBs by EPA Method 8082 (µg/kg)			
			PCB-1016	PCB-1254	PCB-1260	Other PCBs
B1-0.5	2/18/2023	NA	ND<25	ND<25	ND<25	ND
B7-0.5	2/18/2023	NA	ND<25	ND<25	ND<25	ND
B10-0.5	2/18/2023	NA	ND<25	ND<25	ND<25	ND
B16-0.5	2/18/2023	NA	ND<25	ND<25	ND<25	ND
B19-0.5	2/20/2023	NA	420	250	97	ND
B21-0.5	2/20/2023	NA	ND<100	ND<100	ND<100	ND
B22-0.5	2/18/2023	NA	ND<75	ND<75	ND<75	ND
B23-0.5	2/20/2023	NA	ND<200	ND<200	ND<200	ND
B24-0.5	2/20/2023	NA	ND<200	ND<200	ND<200	ND
B27-0.5	2/20/2023	NA	ND<25	ND<25	ND<25	ND
B28-0.5	2/20/2023	NA	ND<25	ND<25	ND<25	ND
B29-0.5	2/20/2023	NA	ND<200	ND<200	ND<200	ND
B31-0.5	2/20/2023	NA	ND<200	ND<200	ND<200	ND
B32-2.5	2/20/2023	ND	NA	NA	NA	NA
B32-5	2/20/2023	ND	NA	NA	NA	NA
B33-2.5	2/20/2023	ND	NA	NA	NA	NA
B33-5	2/20/2023	ND	NA	NA	NA	NA
B34-2.5	4/5/2023	ND	NA	NA	NA	NA
B34-10	4/5/2023	ND	NA	NA	NA	NA
B34-W-2.5	2/20/2023	ND	NA	NA	NA	NA
B35-2.5	4/5/2023	ND	NA	NA	NA	NA
B35-10	4/5/2023	ND	NA	NA	NA	NA
B37-0.5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B37-2.5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B37-5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B37-10	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B37-15	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B38-0.5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B38-2.5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B38-5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B38-10	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B38-15	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B39-0.5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B39-2.5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B39-5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B39-10	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B39-15	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B43-0.5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B43-2.5	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B43-5	4/5/2023	NA	ND<25	ND<25	ND<25	ND

Table 4 – Soil Analytical Results – OCPs & PCBs

Sample ID	Date Sample Collected	OCPs by EPA Method 8081A (µg/kg)	PCBs by EPA Method 8082 (µg/kg)			
			PCB-1016	PCB-1254	PCB-1260	Other PCBs
B43-10	4/5/2023	NA	ND<25	ND<25	ND<25	ND
B43-15	4/5/2023	NA	ND<25	ND<25	ND<25	ND
Composite 1	2/18/2023	ND	NA	NA	NA	NA
Composite 2	2/18/2023	ND	NA	NA	NA	NA
Composite 3	2/18/2023	ND	NA	NA	NA	NA
Composite 4	2/18/2023	ND	NA	NA	NA	NA
Composite 5	2/18/2023	ND	NA	NA	NA	NA
Composite 6	2/18/2023	ND	NA	NA	NA	NA
Composite 7	2/18/2023	ND	NA	NA	NA	NA
Composite 8	2/18/2023	ND	NA	NA	NA	NA
Composite 9	2/18/2023	ND	NA	NA	NA	NA
Composite 10	2/18/2023	ND	NA	NA	NA	NA
Composite 11	2/18/2023	ND	NA	NA	NA	NA
Composite 12	2/18/2023	ND	NA	NA	NA	NA
Regulatory Screening Levels (µg/kg)						
EPA RSLs (Residential Soil)		Various	4,100*	240	240	Various
DTSC HERO HHRA (Residential Soil)		Various	4,000*	NL	NL	Various

Notes:

* non-cancer endpoint

bold indicates result in exceedance of screening level

DTSC HERO HHRA - Department of Toxic Substances Control Human and Ecological Risk Office Human Health Risk Assessment, Note 3, Recommended Screening Levels, June 2020

EPA - United States Environmental Protection Agency

ID - identification

NA - not analyzed

ND< - not detected above the laboratory reporting limit

NL - not listed

OCPs - organochlorine pesticides

PCBs - polychlorinated biphenyls

RSLs - United States Environmental Protection Agency Regional Screening Levels (May 2023)

µg/kg - micrograms per kilogram

Table 5 – Soil Sample Analytical Results – Dioxins and Furans

Sample ID	Date Sampled	EPA Method SW846 8290A (pg/g)					
		1,2,3,7,8,9-HxCDF	1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8-HpCDF	OCDD	OCDF	Other Dioxins & Furans
B36-0.5	4/5/2023	0.13 J,B,q	0.46 J,B	0.29 J,B,q	2.3 J,B	0.47 J,B,q	ND
Regulatory Screening Levels (pg/g)							
EPA RSLs (Residential Soil)		48	480	480	16000	16,000	Various
DTSC HERO HHRA (Residential Soil)		NL	NL	NL	NL	NL	Various

Notes:

B - compound was found in the blank and sample

bold indicates exceedance of regulatory screening level(s)

DTSC HERO HHRA - Department of Toxic Substances Control Human and Ecological Risk Office Human Health Risk Assessment, Note 3, Recommended Screening Levels for Soil (June 2020)

EPA - United States Environmental Protection Agency

ID - Identification

J - Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

pg/g - picograms per gram

ND - not detected above the laboratory reporting limit

NL - not listed

q - the reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

RSLs - United States Environmental Protection Agency Regional Screening Levels (May 2023)

Table 6 – Soil Vapor Sampling Analytical Results – VOCs

Sample ID	Date Sampled	EPA Method 8260B (µg/m^3)							
		1,2,4-Trimethylbenzene	Ethylbenzene	Freon 12	Tetrachloroethene	Toluene	m,p-Xylenes	o-Xylene	Other VOCs
SV-1-5'	4/6/2023	9	13	32	27	46	52	15	ND
SV-1-15'	4/6/2023	22	31	44	20	92	140	41	ND
SV-1-15' REP	4/6/2023	20	32	42	26	82	135	39	ND
SV-2-5'	4/6/2023	ND<8	ND<8	ND<16	28	39	25	8	ND
SV-2-15'	4/6/2023	11	ND<8	18	26	22	26	ND<8	ND
SV-3-5'	4/6/2023	ND<8	10	ND<16	16	59	37	12	ND
SV-3-15'	4/6/2023	ND<8	ND<8	ND<16	26	29	20	ND<8	ND
SV-4-5'	4/6/2023	ND<8	ND<8	ND<16	30	22	ND<16	ND<8	ND
SV-4-15'	4/6/2023	10	14	ND<16	23	57	50	16	ND
SV-5-5'	4/6/2023	14	15	69	38	44	73	22	ND
SV-5-15'	4/6/2023	16	19	82	91	60	71	21	ND
SV-6-5'	4/6/2023	10	12	ND<16	87	51	49	15	ND
SV-6-15'	4/6/2023	10	ND<8	ND<16	64	33	34	11	ND
Regulatory Screening Levels (µg/m^3)									
Modified EPA RSLs (Residential Air) [1]		2,100*	36.7	3,333*	367	173,333*	3,333*	3,333*	Various
Modified DTSC HERO HHRA (Residential Air) [1]		NL	NL	NL	15.3	10,333*	NL	NL	Various

Notes:

* - non-cancer endpoint

bold indicates exceedance of modified EPA RSLs and DTSC HERO HHRA for residential air

DTSC HERO HHRA - Department of Toxic Substances Control Human and Ecological Risk Office Human Health Risk Assessment, Note 3, Recommended Screening Levels for Soil (June 2020-Revised May 2022)

EPA - United States Environmental Protection Agency

ID - Identification

ND< - not detected above the laboratory reporting limit

NL - not listed

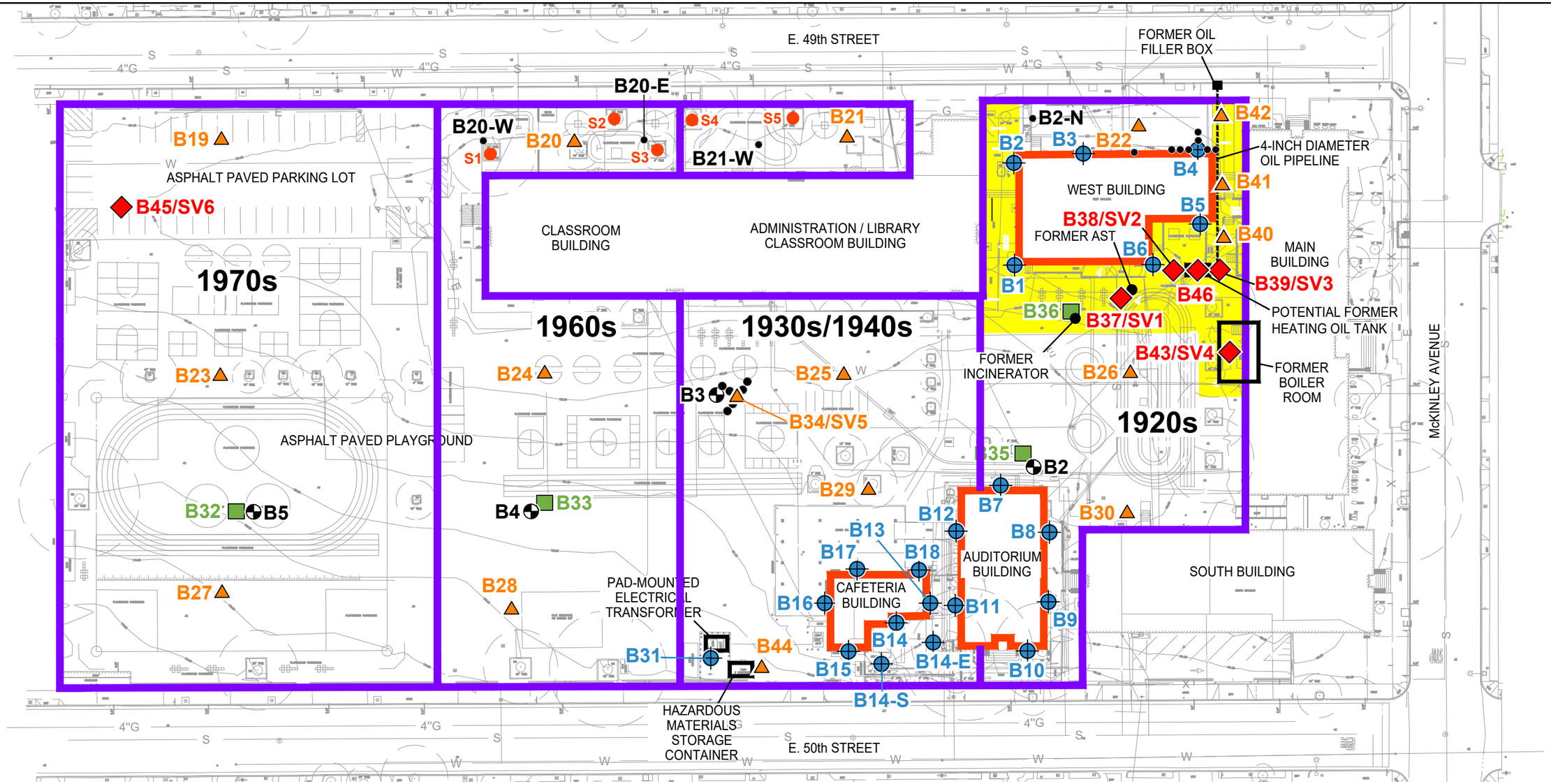
[1]Modified EPA RSLs and DTSC HERO HHRA using attenuation factor of 0.03

REP - replicate

RSLs - United States Environmental Protection Agency Regional Screening Levels (May 2023)

µg/m^3 - micrograms per cubic meter

VOCs - Volatile Organic Compounds



LEGEND

- PEA / COMP MOD BOUNDARY
- BUILDINGS TO BE DEMOLISHED
- LIMITS OF A FULL SCAN GEOPHYSICAL SURVEY
- B31 — SOIL BORING TO 2.5 FEET BGS
- B42 — SOIL BORING TO 5 FEET BGS
- B36 — SOIL BORING TO 10 FEET BGS
- B21 — STEP-OUT BORING
- S5 — PLANTER BOX SURFACE SAMPLE
- B46/SV7 — SOIL AND/OR SOIL VAPOR BORING TO 15'
- B5 — GPI 2021 GEOTECHNICAL EXPLORATORY BORING
- BGS = BELOW GROUND SURFACE

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCES:

STANTEC TITLE VICINITY MAP, TOPOGRAPHIC SURVEY, SUBSURFACE UTILITY AND VAULT INVESTIGATION, SHEETS V1-V-10 (6/17/22).
LAUSD VAULT DIAGRAM AND PLOT PLANS (9/1/1934, 10/1/1934, 1/1/1948).
TETRA TECH PHASE I ENVIRONMENTAL SITE ASSESSMENT (3/22/22).

N

FEET
0 60 120

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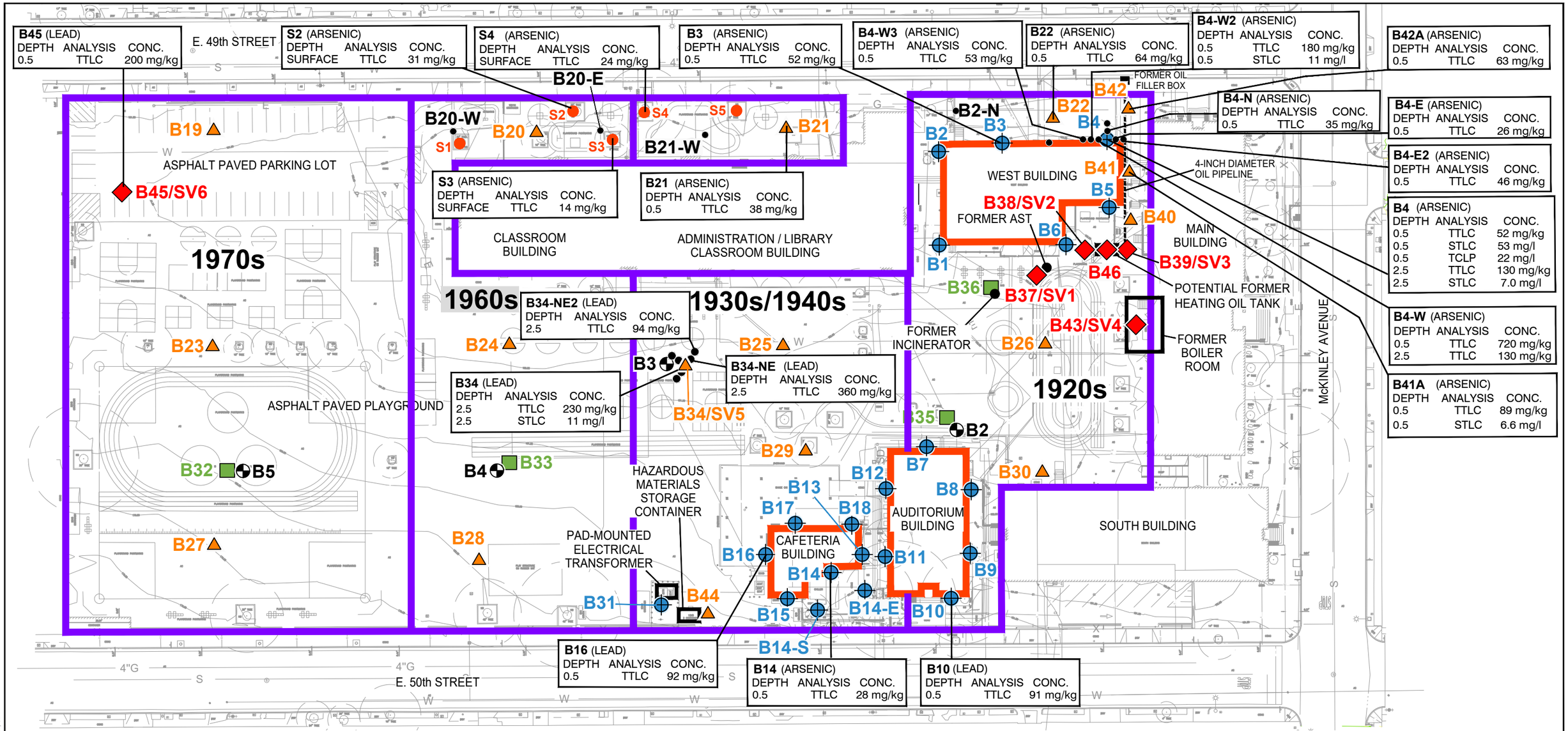
FIGURE 2

PEA SAMPLING LOCATIONS

LOS ANGELES UNIFIED SCHOOL DISTRICT
49TH STREET ELEMENTARY SCHOOL
750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

211936010 I 7/23

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants



LEGEND

- PEA / COMP MOD BOUNDARY
- BUILDINGS TO BE DEMOLISHED
- B31 — SOIL BORING TO 2.5 FEET BGS
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- B46/SV7 — SOIL AND/OR SOIL VAPOR BORING TO 15'
- B5 — GPI 2021 GEOTECHNICAL EXPLORATORY BORING

BGS = BELOW GROUND SURFACE
STLC SOLUBLE THRESHOLD LIMIT CONCENTRATION
TCLP TOXICITY CHARACTERISTIC LEACHING PROCEDURE
TTLC TOTAL THRESHOLD LIMIT CONCENTRATION

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

REFERENCES:

STANTEC TITLE VICINITY MAP, TOPOGRAPHIC SURVEY, SUBSURFACE UTILITY AND VAULT INVESTIGATION, SHEETS V1-V-10 (6/17/22).
LAUSD VAULT DIAGRAM AND PLOT PLANS (9/1/1934, 10/1/1934, 1/1/1948).
TETRA TECH PHASE I ENVIRONMENTAL SITE ASSESSMENT (3/22/22).

N

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FIGURE 4

ELEVATED ARSENIC AND LEAD CONCENTRATIONS

LOS ANGELES UNIFIED SCHOOL DISTRICT
49TH STREET ELEMENTARY SCHOOL
750 EAST 49TH STREET
LOS ANGELES, CALIFORNIA

211936010 I 7/23

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APPENDIX B

Air Monitoring Plan

APPENDIX B

Air Monitoring Plan

Introduction

This Air Monitoring Plan for the 49th Street Elementary School RAW reports methods to mitigate the amount of fugitive dust in the ambient air resulting from project-related construction activities. This Plan complies with the regulations for controlling fugitive dust emissions as specified in:

- South Coast Air Quality Management District (SCAQMD) Rule 403 for Fugitive Dust
- SCAQMD Rule 1466 for Control of Particulate Emissions from Soils with Toxic Air Contaminants

The Plan sets forth the required measures that the construction contractor will implement during remediation and how those measures will be implemented during remediation in accordance with SCAQMD Rules 403 and 1466. Implementation of available fugitive dust control measures will help reduce the total airborne suspended particulate matter generated by construction activities, thus reducing fugitive dust emissions. The scope of this Plan will be revised to reflect changes in fugitive dust control strategy as site conditions or activities may change in the future.

Potential Dust Sources

Based on our understanding and review of the project description, the following potential fugitive dust sources may exist for this project:

- Site grading and other miscellaneous construction activities during demolition and reconstruction phases;
- Vehicles and equipment driving on paved roads during construction and operations;
- Vehicles and equipment driving on unpaved areas during construction and operations;
- Aggregate and soil loading and unloading operations;
- Wind erosion of areas disturbed during construction activities; and/or
- Significant wind action on unprotected spoil piles or topsoil storage areas.

Impacted soils will be removed using heavy earth-moving equipment and may involve the use of a backhoe, rubber-tired, front-end loader, and/or excavator.

Applicable Dust Control Requirements

The SCAQMD is responsible for planning, implementing, and enforcing federal and state ambient air standards within its district boundary. SCAQMD Rule 403 was adopted on May 7, 1976 with several amendments from 1992 to 2005. Fugitive dust contains varying sizes of respirable particulate matter including those with an aerodynamic diameter of 10 micrometers or less (PM_{10}). The purpose of Rule 403 is to prevent, reduce, and mitigate ambient concentrations of anthropogenic fugitive dust emissions to an amount sufficient to attain and maintain the National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS).

SCAQMD Rule 1466 was adopted on July 7, 2017 and amended on December 1, 2017. The purpose of Rule 1466 is to minimize the amount of off-site fugitive dust emissions containing toxic air contaminants by reducing particulate emissions in the ambient air as a result of earth-moving activities, including: excavating, grading, handling, treating, stockpiling, transferring, and removing soil that contains applicable toxic air contaminants from sites that meet applicability requirements.

Meteorological Monitoring

On-site ambient weather conditions (wind speed and direction, and relative humidity) will be monitored by an on-site meteorological station. On-site meteorological monitoring will be performed simultaneously with the excavation activities to provide information on potential precautions to be taken if weather conditions exceed limits outlined in this plan. Meteorological monitoring will be conducted over the duration of the field operations for:

- Air temperature;
- Wind direction;
- Wind speed;
- Wind chill;
- Heat index;
- Barometric pressure;
- Relative humidity; and
- Rainfall (if any).

Wind direction will be monitored with a windsock or equivalent device, such as a portable Wind Dancer™ windsock system for relatively low wind speeds. Rainfall at the site will be measured

with a rain gauge. The remaining meteorological parameters listed above will be measured with a Kestrel® 4000 Pocket Weather™ Tracker™, or equivalent.

If the wind speed is greater than 15 miles per hour (mph) averaged over a 15 minute period or instantaneous wind speeds exceed 25 mph, excavation and earth moving activities will cease.

Air Monitoring

Air monitoring will be performed during all site activities in which impacted or potentially impacted materials are being disturbed or handled. The RA contractor will staff the site with an air monitoring/health and safety professional whose responsibilities will include:

- Monitoring dust levels in the exclusion zone and other locations. The site air monitoring professional will have the authority to stop-work in the event that on site activities generate dust levels that exceed the site action levels. The air-monitoring professional will monitor on-site meteorological instrumentation and/or coordinate with off-site meteorological professionals to evaluate conditions that may trigger cessation of work, e.g. wind speeds high enough to result in visible dust emissions from the point-of-origin or crossing the property line, despite the application of dust mitigation measures.
- Check that real-time aerosol monitors are properly calibrated and in good working condition. Real-time, data-logging aerosol monitors (personal data RAM or equivalent) will be used to measure dust levels. Real-time information will be posted daily, and discussed with site workers.
- Coordinate general site safety activities including all daily hazard communication, safety practices and procedure briefings.
- Oversight of personal decontamination practices.
- General site safety leadership, support and recordkeeping activities.

Air Monitoring Strategy and Methodologies

The RA contractor will monitor dust levels and airborne levels of the COPCs in the following locations:

- One location upwind of excavation operations (based on wind direction meter measurements).
- Three locations downwind of excavation operations.
- One location within the exclusion zone (with a technician).

Actual locations will be determined in the field. Air monitoring will be performed during an 8-hour period each day that RAW activities are conducted. The air-monitoring professional will check the equipment every 15 minutes during operation. Since several excavations are planned for the RA, locations of upwind and downwind monitors will vary.

Because the site COPCs requiring soil excavation are primarily particulate-type contaminants, the RA contractor will focus on monitoring of airborne total dust levels generated by removal activities. The RA contractor will base dust control measures on the Action Levels specified in the chart below. The RA contractor will have the authority to stop work in the event that onsite activities generate dust levels which exceed the Action Levels specified in the chart.

Chemical Name	CAL/OSHA PEL [a]	ACGIH TLV [b]	Site Action Levels [c]	Community Action Level (Fence Line) [d]
Total Dust	10 mg/m^3	10 mg/m^3	1.0 mg/m^3	50 µg/m^3
Arsenic	0.005 mg/m^3	0.01 mg/m^3	0.001 mg/m^3	N/A
Lead	0.05 mg/m^3	0.05 mg/m^3	0.005 mg/m^3	1.5 µg/m^3
TPH	1 ppm	0.5 ppm	Background to 5 ppm above background	See Site Action Level

Notes:
mg/m^3 – milligrams per cubic meter
µg/m^3 – micrograms per cubic meter
ACGIH – American Conference of Governmental Industrial Hygienists
AOC – Area of Concern
CAL/OSHA – California
N/A – not applicable
ppm – parts per million
TLV – threshold limit value

[a] Permissible Exposure Limits (Cal/OSHA Article 107, Table AC1)

[b] 1990-1991 Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices, American Conference of Government Industrial Hygienists.

[c] Site Action Level for total dust is calculated as 20 percent of the threshold limit value of Permissible Exposure Limit (PEL) as measured by National Institute for Occupational Safety and Health (NIOSH) methods. If this action level is met or exceeded, then additional dust mitigation measures will be implemented. If the site dust levels cannot be reduced reliably within 15 minutes, work will cease and a certified Industrial Hygienist will be consulted.

[d] Community Action Level (fence line) of 50 µg/m^3 total dust/particulate is based on the SCAQMD regulation of 50 µg/m^3 of total dust. For lead, the National Ambient Air Quality Standard for lead is 1.5 µg/m3 and selected as the fence-line community action level.

Fugitive Dust Monitoring Plan

A monitoring program will be implemented to evaluate if dust control procedures are effectively mitigating fugitive dust conditions. The monitoring program will include real-time recordings of PM_{10}. Particulate dust monitoring will be performed in accordance with SCAQMD Rules 403, and 1466 and Cal-EPA/DTSC CAMP Guidance, where appropriate. This monitoring will be conducted during construction activities and will be designed to be protective of both worker health and the surrounding community.

A total dust fence line action level of 50 micrograms per cubic meter (µg/m^3) above up-wind background, for particulate matter with an aerodynamic diameter smaller than or equal to 10 microns will be established. Measurements will be conducted by PM_{10} monitoring in accordance with State and Federal requirements and as described below.

A conservative action level will be used to evaluate if off-site migration of fugitive dust is in compliance with SCAQMD and Cal-EPA/DTSC requirements. A total dust action level of 0.5 milligrams per cubic meter (as measured with direct-reading instrumentation) will be utilized for

engineering (dust) control actions at work operations. This level, easily detected with field instruments, will help to keep perimeter dust levels within the expected low range. Field instruments used for air monitoring will be operated, maintained, and calibrated in accordance with 40 Code of Federal Regulations (CFR), Part 50, Appendix J.

The dust-monitoring program will aid in minimizing off-site migration of contaminated soil (as airborne dust) and protect both on-site workers and off-site public from exposure to high levels of dust. The dust-monitoring program will include meteorological monitoring and real-time monitoring of dust using portable aerosol monitors.

Baseline meteorological monitoring will begin at least two days prior to field activities to evaluate prevailing wind patterns, and will continue during construction activities. The baseline monitoring will be conducted for eight to 10 hours to represent a construction work shift. One wind speed and direction monitor will be set up at the site to collect continuous wind data during the monitoring events. The wind speed and direction data are needed to support each upwind and downwind monitoring event and to locate sampler downwind locations. A wind system consists of a Climatronics monitoring system with Model F4450 wind sensors (or similar system), with threshold speeds of 0.5 miles per hour. The wind instrument must meet regulatory specifications. The wind data will be collected through a data acquisition system equipped with a back-up recording device.

Due to the variability of early morning winds, portable aerosol monitors, similar to the MIE Dataram 2000 Aerosol Monitor or the P-5 Digital Dust Indicator manufactured by MDA Scientific, may be used to monitor airborne dust concentrations until conditions are suitable for monitoring. Monitoring using the portable monitors should continue during the work day, including after startup of the PM_{10} samplers, to provide real-time coverage and provide information for the effectiveness of engineering controls. These monitors will be placed on adjacent corners of the construction site boundaries, as close to the property lines as feasible, and in such a way that other sources of fugitive dust between the sampler and the property line are minimized. Additional monitors may be utilized upwind and downwind of the work area based on field conditions. Since several excavations are planned for the removal action (RA), locations of upwind and downwind monitors will vary.

Occasional perimeter monitoring with direct reading instruments will be performed when appropriate. If particulate levels downwind of the work area are detected in excess of 50 $\mu g/m^3$, the upwind background level will be measured immediately using the same portable monitor. If the working site particulate measurement is above 50 $\mu g/m^3$ above the upwind background level,

additional dust suppression techniques should be implemented to reduce the generation of fugitive dust.

Fugitive Dust Control Plan

The purpose of this plan is to establish procedures for air monitoring to mitigate fugitive dust during the remedial activities at the site. Implementation of available fugitive dust control measures will help reduce the total airborne suspended particulate matter generated by field activities thus reducing fugitive dust emissions during remediation. Tentative locations of dust monitoring equipment will be based on prevailing wind directions. These locations will be relocated as needed based on changes in wind direction, based on monitoring by an on-site weather station, and on excavation locations.

The emission of fugitive dust will not be allowed from any active operation, open storage pile, or disturbed surface area such that:

- The dust remains visible in the atmosphere beyond the property line of the emission source; or,
- The dust emission exceeds 20 percent opacity (estimated visually), if the dust emission is the result of movement of a motorized source.

Perimeter air monitoring will be conducted with a MIE DataRAM 2000 aerosol monitor, or equivalent. The DataRAM aerosol monitor measures concentrations of airborne dust, smoke, mists, haze and fumes and will be used for continuous unattended environmental monitoring of the site perimeter monitoring. The DataRAM will be used in place of alternative dust samplers that require off site laboratory sample analysis by OSHA Method 0500 to evaluate if the designated perimeter dust threshold has been exceeded. The DataRAM will provide continuous real-time data measurement of the total dust fence line action level of 50 µg/m^3 above up-wind background dust concentration.

DataRAM meters will be set up at approximately 5 feet above grade at the following site locations and operated for the duration of daily field activities.

- One location upwind of excavation operations (based on wind direction meter measurements).
- Two locations downwind of excavation operations.

The DataRAM meters will be set with a flow rate of 2 liters per minute and will collect minimum, maximum, and average total aerosol concentration (ug/m^3) every 10 minutes of operating time.

Each daytime hour of field time, the meters will be visually checked and the meter results will be reviewed and manually recorded.

Appendix I. Noise and Vibration Background and Modeling Data

Appendices

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Fundamentals of Noise

NOISE

Noise is most often defined as unwanted sound; whether it is loud, unpleasant, unexpected, or otherwise undesirable. Although sound can be easily measured, the perception of noise and the physical response to sound complicate the analysis of its impact on people. People judge the relative magnitude of sound sensation in subjective terms such as "noisiness" or "loudness."

Noise Descriptors

The following are brief definitions of terminology used in this chapter:

- **Sound.** A disturbance created by a vibrating object, which, when transmitted by pressure waves through a medium such as air, is capable of being detected by a receiving mechanism, such as the human ear or a microphone.

- **Noise.** Sound that is loud, unpleasant, unexpected, or otherwise undesirable.

- **Decibel (dB).** A unitless measure of sound, expressed on a logarithmic scale and with respect to a defined reference sound pressure. The standard reference pressure is 20 micropascals (20 μPa).

- **Vibration Decibel (VdB).** A unitless measure of vibration, expressed on a logarithmic scale and with respect to a defined reference vibration velocity. In the U.S., the standard reference velocity is 1 micro-inch per second ($1x10^{-6}$ in/sec).

- **A-Weighted Decibel (dBA).** An overall frequency-weighted sound level in decibels that approximates the frequency response of the human ear.

- **Equivalent Continuous Noise Level (L_{eq}); also called the Energy-Equivalent Noise Level.** The value of an equivalent, steady sound level which, in a stated time period (often over an hour) and at a stated location, has the same A-weighted sound energy as the time-varying sound. Thus, the L_{eq} metric is a single numerical value that represents the equivalent amount of variable sound energy received by a receptor over the specified duration.

- **Statistical Sound Level (L_n).** The sound level that is exceeded "n" percent of time during a given sample period. For example, the L_{50} level is the statistical indicator of the time-varying noise signal that is exceeded 50 percent of the time (during each sampling period); that is, half of the sampling time, the changing noise levels are above this value and half of the time they are below it. This is called the "median sound level." The L_{10} level, likewise, is the value that is exceeded 10 percent of the time (i.e., near the maximum) and this is often known as the "intrusive sound level." The L_{90} is the sound level exceeded 90 percent of the time and is often considered the "effective background level" or "residual noise level."

- **Maximum Sound Level (L_{max})**. The highest RMS sound level measured during the measurement period.
- **Root Mean Square Sound Level (RMS).** The square root of the average of the square of the sound pressure over the measurement period.
- **Day-Night Sound Level (L_{dn} or DNL).** The energy-average of the A-weighted sound levels occurring during a 24-hour period, with 10 dB added to the sound levels occurring during the period from 10:00 PM to 7:00 AM.
- **Community Noise Equivalent Level (CNEL).** The energy average of the A-weighted sound levels occurring during a 24-hour period, with 5 dB added from 7:00 PM to 10:00 PM and 10 dB from 10:00 PM to 7:00 AM. NOTE: For general community/environmental noise, CNEL and L_{dn} values rarely differ by more than 1 dB (with the CNEL being only slightly more restrictive – that is, higher than the L_{dn} value). As a matter of practice, L_{dn} and CNEL values are interchangeable and are treated as equivalent in this assessment.
- **Peak Particle Velocity (PPV).** The peak rate of speed at which soil particles move (e.g., inches per second) due to ground vibration.
- **Sensitive Receptor.** Noise- and vibration-sensitive receptors include land uses where quiet environments are necessary for enjoyment and public health and safety. Residences, schools, motels and hotels, libraries, religious institutions, hospitals, and nursing homes are examples.

Characteristics of Sound

When an object vibrates, it radiates part of its energy in the form of a pressure wave. Sound is that pressure wave transmitted through the air. Technically, airborne sound is a rapid fluctuation or oscillation of air pressure above and below atmospheric pressure that creates sound waves.

Sound can be described in terms of amplitude (loudness), frequency (pitch), or duration (time). Loudness or amplitude is measured in dB, frequency or pitch is measured in Hertz [Hz] or cycles per second, and duration or time variations is measured in seconds or minutes.

Amplitude

Unlike linear units such as inches or pounds, decibels are measured on a logarithmic scale. Because of the physical characteristics of noise transmission and perception, the relative loudness of sound does not closely match the actual amounts of sound energy. Table 1 presents the subjective effect of changes in sound pressure levels. Ambient sounds generally range from 30 dBA (very quiet) to 100 dBA (very loud). Changes of 1 to 3 dB are detectable under quiet, controlled conditions, and changes of less than 1 dB are usually not discernible (even under ideal conditions). A 3 dB change in noise levels is considered the minimum change that is detectable with human hearing in outside environments. A change of 5 dB is readily discernible to most people in an exterior environment, and a 10 dB change is perceived as a doubling (or halving) of the sound.

Table 1 Noise Perceptibility

Change in dB	Noise Level

± 3 dB	Barely perceptible increase
± 5 dB	Readily perceptible increase
± 10 dB	Twice or half as loud
± 20 dB	Four times or one-quarter as loud

Source: California Department of Transportation (Caltrans). 2013, September. Technical Noise Supplement ("TeNS").

Frequency

The human ear is not equally sensitive to all frequencies. Sound waves below 16 Hz are not heard at all, but are "felt" more as a vibration. Similarly, though people with extremely sensitive hearing can hear sounds as high as 20,000 Hz, most people cannot hear above 15,000 Hz. In all cases, hearing acuity falls off rapidly above about 10,000 Hz and below about 200 Hz.

When describing sound and its effect on a human population, A-weighted (dBA) sound levels are typically used to approximate the response of the human ear. The A-weighted noise level has been found to correlate well with people's judgments of the "noisiness" of different sounds and has been used for many years as a measure of community and industrial noise. Although the A-weighted scale and the energy-equivalent metric are commonly used to quantify the range of human response to individual events or general community sound levels, the degree of annoyance or other response also depends on several other perceptibility factors, including:

- Ambient (background) sound level
- General nature of the existing conditions (e.g., quiet rural or busy urban)
- Difference between the magnitude of the sound event level and the ambient condition
- Duration of the sound event
- Number of event occurrences and their repetitiveness
- Time of day that the event occurs

Duration

Time variation in noise exposure is typically expressed in terms of a steady-state energy level equal to the energy content of the time varying period (called L_{eq}), or alternately, as a statistical description of the sound level that is exceeded over some fraction of a given observation period. For example, the L_{50} noise level represents the noise level that is exceeded 50 percent of the time; half the time the noise level exceeds this level and half the time the noise level is less than this level. This level is also representative of the level that is exceeded 30 minutes in an hour. Similarly, the L_2, L_8 and L_{25} values represent the noise levels that are exceeded 2, 8, and 25 percent of the time or 1, 5, and 15 minutes per hour, respectively. These "n" values are typically used to demonstrate compliance for stationary noise sources with many cities' noise ordinances. Other values typically noted during a noise survey are the L_{min} and L_{max}. These values represent the minimum and maximum root-mean-square noise levels obtained over the measurement period, respectively.

Because community receptors are more sensitive to unwanted noise intrusion during the evening and at night, state law and many local jurisdictions use an adjusted 24-hour noise descriptor called the Community Noise Equivalent Level (CNEL) or Day-Night Noise Level (L_{dn}). The CNEL descriptor requires that an artificial increment (or "penalty") of 5 dBA be added to the actual noise level for the hours from 7:00 PM to 10:00 PM and 10 dBA for the hours from 10:00 PM to 7:00 AM. The L_{dn} descriptor uses the same methodology

except that there is no artificial increment added to the hours between 7:00 PM and 10:00 PM. Both descriptors give roughly the same 24-hour level, with the CNEL being only slightly more restrictive (i.e., higher). The CNEL or L_{dn} metrics are commonly applied to the assessment of roadway and airport-related noise sources.

Sound Propagation

Sound dissipates exponentially with distance from the noise source. This phenomenon is known as "spreading loss." For a single-point source, sound levels decrease by approximately 6 dB for each doubling of distance from the source (conservatively neglecting ground attenuation effects, air absorption factors, and barrier shielding). For example, if a backhoe at 50 feet generates 84 dBA, at 100 feet the noise level would be 79 dBA, and at 200 feet it would be 73 dBA. This drop-off rate is appropriate for noise generated by on-site operations from stationary equipment or activity at a project site. If noise is produced by a line source, such as highway traffic, the sound decreases by 3 dB for each doubling of distance over a reflective ("hard site") surface such as concrete or asphalt. Line source noise in a relatively flat environment with ground-level absorptive vegetation decreases by an additional 1.5 dB for each doubling of distance.

Psychological and Physiological Effects of Noise

Physical damage to human hearing begins at prolonged exposure to noise levels higher than 85 dBA. Exposure to high noise levels affects the entire system, with prolonged noise exposure in excess of 75 dBA increasing body tensions, thereby affecting blood pressure and functions of the heart and the nervous system. Extended periods of noise exposure above 90 dBA results in permanent cell damage, which is the main driver for employee hearing protection regulations in the workplace. For community environments, the ambient or background noise problem is widespread, through generally worse in urban areas than in outlying, less-developed areas. Elevated ambient noise levels can result in noise interference (e.g., speech interruption/masking, sleep disturbance, disturbance of concentration) and cause annoyance. Since most people do not routinely work with decibels or A-weighted sound levels, it is often difficult to appreciate what a given sound pressure level number means. To help relate noise level values to common experience, Table 2 shows typical noise levels from familiar sources.

Table 2 Typical Noise Levels

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
Onset of physical discomfort	120+	
	110	Rock Band (near amplification system)
Jet Flyover at 1,000 feet		
	100	
Gas Lawn Mower at three feet		
	90	
Diesel Truck at 50 feet, at 50 mph		Food Blender at 3 feet
	80	Garbage Disposal at 3 feet
Noisy Urban Area, Daytime		
	70	Vacuum Cleaner at 10 feet
Commercial Area		Normal speech at 3 feet
Heavy Traffic at 300 feet	60	
		Large Business Office
Quiet Urban Daytime	50	Dishwasher Next Room
Quiet Urban Nighttime	40	Theater, Large Conference Room (background)
Quiet Suburban Nighttime		
	30	Library
Quiet Rural Nighttime		Bedroom at Night, Concert Hall (background)
	20	
		Broadcast/Recording Studio
	10	
Lowest Threshold of Human Hearing	0	Lowest Threshold of Human Hearing

Source: California Department of Transportation (Caltrans). 2013, September. Technical Noise Supplement ("TeNS").

Vibration Fundamentals

Vibration is an oscillatory motion through a solid medium in which the motion's amplitude can be described in terms of displacement, velocity, or acceleration. Vibration is normally associated with activities stemming from operations of railroads or vibration-intensive stationary sources, but can also be associated with construction equipment such as jackhammers, pile drivers, and hydraulic hammers. As with noise, vibration can be described by both its amplitude and frequency. Vibration displacement is the distance that a point on a surface moves away from its original static position; velocity is the instantaneous speed that a point on a surface moves; and acceleration is the rate of change of the speed. Each of these descriptors can be used to correlate vibration to human response, building damage, and acceptable equipment vibration levels. During construction, the operation of construction equipment can cause groundborne vibration. During the operational phase of a project, receptors may be subject to levels of vibration that can cause annoyance due to noise generated from vibration of a structure or items within a structure.

Vibration amplitudes are usually described in terms of either the peak particle velocity (PPV) or the root mean square (RMS) velocity. PPV is the maximum instantaneous peak of the vibration signal and RMS is the

square root of the average of the squared amplitude of the signal. PPV is more appropriate for evaluating potential building damage and RMS is typically more suitable for evaluating human response.

As with airborne sound, annoyance with vibrational energy is a subjective measure, depending on the level of activity and the sensitivity of the individual. To sensitive individuals, vibrations approaching the threshold of perception can be annoying. Persons accustomed to elevated ambient vibration levels, such as in an urban environment, may tolerate higher vibration levels. Table 3 displays the human response and the effects on buildings resulting from continuous vibration (in terms of various levels of PPV).

Table 3 Human Reaction to Typical Vibration Levels

Vibration Level, PPV (in/sec)	Human Reaction	Effect on Buildings
0.006–0.019	Threshold of perception, possibility of intrusion	Vibrations unlikely to cause damage of any type
0.08	Vibrations readily perceptible	Recommended upper level of vibration to which ruins and ancient monuments should be subjected
0.10	Level at which continuous vibration begins to annoy people	Virtually no risk of "architectural" (i.e. not structural) damage to normal buildings
0.20	Vibrations annoying to people in buildings	Threshold at which there is a risk to "architectural" damage to normal dwelling – houses with plastered walls and ceilings
0.4–0.6	Vibrations considered unpleasant by people subjected to continuous vibrations and unacceptable to some people walking on bridges	Vibrations at a greater level than normally expected from traffic, but would cause "architectural" damage and possibly minor structural damage

Source: California Department of Transportation (Caltrans). 2020, April. *Transportation and Construction Vibration Guidance Manual*. Prepared by ICF International.

CONSTRUCTION NOISE MODELING

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 08/10/2023
Case Description: LASD1-33.1

**** Receptor #1 ****

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
Architectural Coating	Residential	60.0	55.0	50.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	50.0	0.0

Results

Equipment	Calculated (dBA) Lmax	Leq	Noise Limits (dBA) Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq	Noise Limit Exceedance (dBA) Day Lmax	Leq	Evening Lmax	Leq	Night Lmax	Leq
Compressor (air)	77.7	73.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	77.7	73.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 08/10/2023
Case Description: LASD1-33.1

**** Receptor #1 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Building Construction	Residential	60.0	55.0	50.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Front End Loader	No	40		79.1	50.0	0.0
Generator	No	50		80.6	50.0	0.0
Tractor	No	40	84.0		50.0	0.0

Results

	Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Front End Loader	79.1	75.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	80.6	77.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	84.0	80.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	84.0	82.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 08/10/2023
Case Description: LASD1-33.1

**** Receptor #1 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Demolition	Residential	60.0	55.0	50.0

Equipment

Description	Impact Device	Spec Usage (%)	Actual Lmax (dBA)	Receptor Lmax (dBA)	Estimated Distance (feet)	Shielding (dBA)
Dozer	No	40	81.7	50.0	0.0	
Excavator	No	40	80.7	50.0	0.0	
Concrete Saw	No	20	89.6	50.0	0.0	

Results

	Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	81.7	77.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	80.7	76.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw	89.6	82.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	89.6	84.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 08/10/2023
Case Description: LASD1-33.1

**** Receptor #1 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Grading	Residential	60.0	55.0	50.0

Equipment

Description	Impact Device	Usage (%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Grader	No	40	85.0		50.0	0.0
Excavator	No	40		80.7	50.0	0.0
Tractor	No	40	84.0		50.0	0.0

Results

	Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Grader	85.0	81.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	80.7	76.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	84.0	80.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	85.0	84.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 08/10/2023
Case Description: LASD1-33.1

**** Receptor #1 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Paving	Residential	60.0	55.0	50.0

Equipment

Description	Impact Device	Spec Usage (%)	Actual Lmax (dBA)	Receptor Lmax (dBA)	Estimated Distance (feet)	Shielding (dBA)
Paver	No	50	77.2	50.0	0.0	
Pavement Scarafier	No	20	89.5	50.0	0.0	
Roller	No	20	80.0	50.0	0.0	

Results

Equipment	Calculated (dBA) Lmax	Leq	Noise Limits (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq	Noise Limit Exceedance (dBA) Day Lmax	Day Leq	Evening Lmax	Evening Leq	Night Lmax	Night Leq
Paver	77.2	74.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pavement Scarafier	89.5	82.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roller	80.0	73.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	89.5	83.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 08/10/2023
Case Description: LASD1-33.1

**** Receptor #1 ****

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Site Preparation	Residential	60.0	55.0	50.0

Equipment

Description	Impact Device	Spec Usage (%)	Actual Lmax (dBA)	Receptor Lmax (dBA)	Estimated Distance (feet)	Shielding (dBA)
Dozer	No	40	81.7	50.0	0.0	
Tractor	No	40	84.0	50.0	0.0	
Front End Loader	No	40	79.1	50.0	0.0	

Results

	Calculated (dBA)		Noise Limits (dBA)				Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
Equipment	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Dozer	81.7	77.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	84.0	80.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Front End Loader	79.1	75.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	84.0	82.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

LASD1-33.1 - Construction Noise Modeling Attenuation Calculations

Levels in dBA Leq

Phase	RCNM Reference Noise Level	Receptor to North	Receptor to East	Receptor to South	Receptor to West
Distance in feet	*50*	*225*	*470*	*225*	*333*
Demolition	90.0	76.9	70.5	76.9	73.5
Site Prep	84.0	70.9	64.5	70.9	67.5
Grading	85.0	71.9	65.5	71.9	68.5
Building Construction	84.0	70.7	64.5	71.1	67.5
Architectural Coating	78.0	64.7	58.5	65.1	61.5
Paving	90.0	76.7	70.5	77.1	73.5

Attenuation calculated through Inverse Square Law: Lp(R2) = Lp(R1) - 20Log(R2/R1)

Stationary Noise	Reference Noise Level	Receptor to North
Distance in feet	*3*	*50*
HVAC	72.0	47.6

LASD1-33.1 - Vibration Damage Attenuation Calculations

		Levels, PPV (in/sec)			
	Vibration Reference Level	**Residence to the North at 771 E 49th Street**	**Historic School Building to the East (Main Classroom Building)**	**Residence to the South at 772 E 50th Street**	**Residence to the West at 675 E 50th Street**
Distance in feet	**at *25 feet***	*70*	*15*	*70*	*12*
Vibratory Roller	0.21	0.045	0.452	0.045	0.631
Static Roller	0.05	0.011	0.108	0.011	0.150
Large Bulldozer	0.089	0.019	0.191	0.019	0.268
Loaded Trucks	0.076	0.016	0.164	0.016	0.229
Jackhammer	0.035	0.007	0.075	0.007	0.105
Small Bulldozer	0.003	0.001	0.006	0.001	0.009

LASD1 -33.1- Vibration Annoyance Attenuation Calculations

Levels in VdB

Equipment	Vibration @ 25 ft	Residence to the North at 771 E 49th Street	Residence to the East at 4960 McKinley Avenue	Residence to the South at 772 E 50th Street	Residence to the West at 675 E 50th Street
Distance in feet		*225*	*470*	*225*	*333*
Vibratory Roller	94.0	65.4	55.8	65.4	60.3
Static Roller	82.0	53.4	43.8	53.4	48.3
Large Bulldozer	87.0	58.4	48.8	58.4	53.3
Loaded Trucks	86.0	57.4	47.8	57.4	52.3
Jackhammer	79.0	50.4	40.8	50.4	45.3
Small Bulldozer	58.0	29.4	19.8	29.4	24.3