Los Angeles Unified School District

Standard Conditions of Approval for District Construction, Upgrade, and Improvement Projects

Updated: 2023

Standard Conditions of Approval for District Construction, Upgrade, and Improvement Projects

The Los Angeles Unified School District (LAUSD) Standard Conditions of Approval for District Construction, Upgrade, and Improvement Projects (Standard Conditions; SCs) are uniformly applied development standards. The SCs were 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 California Environmental Quality Act (CEQA) environmental topics (Appendix G of the CEQA Guidelines plus Pedestrian Safety). For each SC, compliance is triggered by factors such as the project type, existing conditions, and type of environmental impact. Compliance with every condition is not required.

The SCs have been updated since the original Board-adopted Standard Conditions of Approval in 2015 and in 2018. This 2023 update incorporates new and revised laws, regulations, guidelines, and Los Angeles Unified School District's standard policies, practices, and specifications.

Additionally, the LAUSD School Design Guidelines and Design Standards referenced in the SCs are routinely updated. If the Design Guidelines and Design Standards conflict with the current SCs, the Design Guidelines and Design Standards shall be followed.

In instances where the District is the Lead Agency but not the project proponent or implementing party (e.g., non-profit, charter school, etc.), the project proponent or implementing party will act as the District's agency (or designee) to implement the applicable SCs.

Reference #	Topic	Trigger for Compliance	Project Implementation Phase	Standard Conditions	Original Source	Responsible Implementing Party (LAUSD or its Designee)
AESTHETICS						
SC-AE-1	Degradation of neighborhood character	Demolition of historic building or construction of a new building, the majority of which can be viewed from public right-of-way	During project design (Planning)	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**[1] 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.	School Design Guide. Los Angeles Unified School District (as amended).	Design Team, Asset Management (AM), Architectural and Engineering Services (AE Services)
SC-AE-2	Degradation of neighborhood character	Provide a surface for graffiti and/or opportunity for the accumulation of rubbish and debris along new walls adjacent to public right-of-way	During project design, construction, and operation (Planning, Construction, Post-Construction)	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.	School Design Guide. Los Angeles Unified School District (as amended).	Design Team, AM, AE Services, Project Execution (PEX), Maintenance & Operations (M&O)
SC-AE-3	Degradation of neighborhood character and viewshed obstruction	Increase density, height, bulk, or decrease setback compared to the surrounding development	During project design (Planning)	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.	2004 New Construction Program EIR Mitigation Measure AE-1.1, adopted by the Board of Education in June 2004 as part of the 2004 Program EIR and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015.	Office of Environmental Health and Safety (OEHS), Design Team, AM, AE Services
SC-AE-4	Outdoor electronic message display signs	Install a new or change an existing school marquee	During project design and installation (Planning, Construction)	LAUSD shall review all designs to ensure that the installation of a school marquee complies with Marquee Signs Bulletin BUL 5004.1. **Marquee Signs Bulletin BUL-5004.1** This policy provides guidance for the procurement and installation of marquee signs (outdoor sign with electronic message display) on District campuses. The policy includes requirements for the design, approval, placement, operation, and maintenance of electronic school marquees erected and operated at schools. The policy also includes measures to mitigate light and glare, such as the use of "luminaries" in connection with school construction.	School marquees (outdoor sign with electronic message display). BUL-5004.1 adopted May 25, 2010 (as amended).	Design Team, Construction Contractor
SC-AE-5	Light and glare	Increase light and/or glare	Prior to building occupation, first	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. Los Angeles Unified School District (as amended).	Design Team, AM, AE, PEX, Construction Contractor

[1] The School Design Guide establishes a consistent level of functionality, quality and maintainability for all District school facilities. The document has design guidelines and criteria for the planning, design and technical development of new schools, modernizations, and building expansion projects; it includes by reference the Facilities Space Program, the Educational Specifications, the Guide Specifications, the Standard Technical Drawings of the District, and applicable codes, regulations and industry standards.

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			stadium event, or first use of lights (Planning, Construction)	**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	Light and glare	Generate additional light and/or glare	Prior to building occupation, first stadium event, or first use of lights (Planning, Construction)	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.	Based on The Collaborative for High Performance Schools. High Performance Schools Best Practices Manual, Volume III— Criteria. Version 1.0, November 1, 2001. Adopted by the Board of Education on October 28, 2003. Updated 2014 CHPS Scorecard with 2017 SS12.0, and SS12.1: Light Pollution and Unnecessary Lighting. Includes additional language from International Dark-Sky Association (IDA; as amended).	Design Team
AIR QUALITY						
SC-AQ-1	Air Toxics Health Risk	New classrooms or outdoor play areas: • Within 0.25-mile of mobile and stationary emission sources • On the LAUSD priority list of schools most at risk from air pollution • Near an OEHS-identified high-risk facility	During project design (Planning)	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. 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.	REF-5314.2, Procedures for Environmental Review of Proposed Projects, June 12, 2017 (as amended). REF-5892.0, Environmental Hazards in Proximity to Schools, October 8, 2012 (as amended).	OEHS

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SC-AQ-2	Construction Emissions	Diesel-powered construction equipment	During construction (Construction)	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.	LAUSD Best Management Practices, adopted by the Board of Education in June 2004 as part of the 2004 Program EIR and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015.	Construction Contractor, PEX
SC-AQ-3	Construction Emissions	Ground-disturbing activity, such as grading, site preparation, and/or removal action for soil contamination	During construction (Construction)	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.	LAUSD Best Management Practices, adopted by the Board of Education in June 2004 as part of the 2004 Program EIR and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015.	Construction Contractor, PEX
SC-AQ-4	Construction Emissions	Use of large, heavy or noisy equipment for construction	During construction (Construction)	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.	2004 New Construction Program EIR Mitigation Measure AQ-2.1, adopted by the Board of Education in June 2004 and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015.	OEHS, PEX, Construction Contractor

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				• Use construction equipment rated by the United States Environmental Protection Agency as having at least Tier 3 (model year 2006 or newer) or Tier 4 (model year 2008 or newer) 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.		

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				General Construction • 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.		
BIOLOGICAL RESOURCES						
SC-BIO-1	Sensitive Species and Habitat	New construction in or potential impacts to adjacent to native habitat or waterways	Agency coordination prior to the start of construction; monitoring during construction (Planning, Construction)	An LAUSD-qualified nesting bird Surveyor or Biologist shall identify plant and animal species and habitat within and near the project site. LAUSD will conduct a literature search, which shall consider a one-mile radius beyond the project construction site and shall be performed by a qualified nesting bird Surveyor or Biologist with knowledge of local biological conditions as well as the use and interpretation of the data sources identified below. Where appropriate, in the opinion of the Biologist, the literature search shall be supplemented with a site visit and/or aerial photo analysis. Resources and information that shall be investigated for each site should include, but not be limited to: • United States Fish and Wildlife Service (USFWS) • National Marine Fisheries Services (NMFS) • California Department of Fish and Wildlife (CDFW) • California Native Plant Society (CNPS) • County and/or city planning or environmental offices for sensitive species, habitat, and/or heritage trees that may not exist on published databases. • California Natural Diversity Data Base (CNDDB) California Native Plant Society (CNPS) Rare Plant Inventory • Local Audubon Society • Los Angeles County Department of Regional Planning for information on Significant Ecological Areas • California Digital Conservation Atlas for District-wide location of reserves, plan areas, and land trusts that may overlap with project sites. Biological Resources Report If a report is necessary and the LAUSD qualified nesting bird Surveyor or Biologist determines that a school construction project will affect an identified sensitive plant, animal, or habitat, a biological resources report shall be prepared. To provide a complete assessment of the flora and fauna within and adjacent to a site-specific project impact area, with particular emphasis on	2004 New Construction Program EIR Mitigation Measures B-1.1 and B-1.2, adopted by the Board of Education in June 2004 and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015.	OEHS

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				identifying endangered, threatened, sensitive, and locally unique species and sensitive habitats, the biological resources report shall include the following. • Information on regional setting that is critical to the assessment of rare or unique resources. • A thorough, recent floristic-based assessment of special status plans and natural communities, following the CDFW's Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities. CDFW recommends that floristic, alliance- and/or association-based mapping and vegetation impact assessments be conducted at the project site and neighboring vicinity. The Manual of California Vegetation (Sawyer et al.) should also be used to inform this mapping and assessment. Adjoining habitat areas should be included in this assessment where site activities could lead to direct or indirect impacts offsite. Habitat mapping at the alliance level will help establish baseline vegetation conditions. • A current inventory of the biological resources associated with each habitat type onsite and within the area of potential effect. CDFW's California Natural Diversity Data Base (CNDDB) should be contacted to obtain current information on any previously reported sensitive species and habitat, including Significant Natural Areas identified under Chapter 12 of the Fish and Game Code. • An inventory of rare, threatened, and endangered, and other sensitive species onsite and within the area of potential effect. Species to be addressed should include all those identified in CEQA Guidelines Section 15380, including sensitive fish, wildlife, reptile, and amphibian species. Seasonal variations in use of the project area should also be addressed. Focused species-specific surveys, conducted at appropriate time of year and time of day when sensitive species are active or otherwise identifiable, are required. Acceptable species-specific survey procedures should be developed in consultation with the CDFW and USFWS. • A discussion of the potential adverse impacts from light, noise, human activity, exotic species, and drainage. Drainage analysis should address project-related changes on drainage patterns on and downstream from the site; the volume, velocity, and frequency of existing and post- project surface flows; polluted runoff; soil erosion and/or sedimentation in streams and water bodies; and post-project fate of runoff from the project site. • Discussions about direct and indirect project impacts on biological resources, including resources in nearby public lands, open space, adjacent natural habitats, wetland and riparian ecosystems, and any designated and/or proposed or existing reserve lands (e.g., preserve lands associated with a NCCP). Impacts on, and maintenance of, wildlife corridor/movement areas, including access to undisturbed habitats in adjacent areas. • Mitigation measures for adverse project-related impacts to sensitive plants, animals, and habitats. Measures should emphasize avoidance and reduction of biological impacts. For unavoidable impacts, onsite habitat restoration or enhancement should		

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				be outlined. If onsite measures are not feasible or would not be biologically viable, offsite measures through habitat creation and/or acquisition and preservation in perpetuity should occur. This measure should address restrictions on access, proposed land dedications, monitoring and management programs, control of illegal dumping, water pollution, increased human intrusion, etc. • Plans for restoration and vegetation shall be prepared by qualified nesting bird Surveyor or Biologist with expertise in southern California ecosystems and native plant vegetation techniques. Plans shall include, at a minimum: o Location of the mitigation site. o Plant species to be used, container sizes, and seeding rates. o Schematic depicting the mitigation area. o Planting schedule. o Irrigation method. o Measures to control exotic vegetation. o Specific success criteria. o Detailed monitoring program. o Contingency measures should the success criteria not be met. o Identification of the party responsible for meeting the success criteria and providing for conservation of the site in perpetuity. LAUSD shall consult with the U.S. Army Corps of Engineers, USFWS and/or the CDFW and comply with any permit conditions or directives from those agencies regarding the protection, relocation, creation, and/or compensation of sensitive species and/or habitats.		
SC-BIO-2	Light Impacts to Sensitive Species	New outdoor lighting	During lighting design, installation, and prior to first use of lights (Planning, Construction)	LAUSD shall protect sensitive wildlife species from harmful or disruptive exposure to light by shielding light sources, redirecting light sources, or using low intensity lighting. All exterior light fixtures shall be listed as dark sky compliant as required under SC-AE-6.	2004 New Construction Program EIR Mitigation Measure B-1.3, adopted by the Board of Education in June 2004 and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015.	Design Team, AM, AE Services, PEX, M&O
SC-BIO-3	Bird and Bat Nesting Sites	Construction activities within native habitat; that has the potential to disturb birds or bats; or construction / demolition / removal of trees /vegetation during nesting season (February 1 through	Prior to construction demolition, or vegetation removal (Construction)	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[2]) should occur outside of nesting season to avoid take of birds, bats, or their eggs.[3] 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	2004 New Construction Program EIR Mitigation Measure B-1.4, adopted by the Board of Education in June 2004 and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015.	PEX

[2] Substrate is the surface on which a plant or animal lives.
[3] Take means to hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture or kill (Fish and Game Code Section 86), and includes take of eggs and/or young resulting from disturbances that cause abandonment of active nests.

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		August 31; as early as January 1 for some raptors)		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.		

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				• 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: o 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. o Off-site habitat improvements shall be conducted in coordination with the California Department of Fish and Wildlife.		
SC-BIO-4	Protected Trees	Removal of protected trees or woodland habitat	Planning and construction (Planning, Construction)	LAUSD shall comply with the following conditions if a new school would be located in an area containing native habitat or if a protected tree would be removed from an existing campus: **New Construction in Native Habitat** LAUSD shall avoid constructing new schools in areas containing mature native protected trees to the extent feasible. If site avoidance is not feasible, individual trees should be protected. If protected trees may be impacted, the following condition(s) may be required: • **Translocation of rare plants is prohibited in most instances.** CDFW, in most cases does not recommend translocation, salvage, and/or transplantation of rare, threatened, or endangered plant species, in particular oak trees, as compensation for	2004 New Construction Program EIR Mitigation Measure B-3.1, adopted by the Board of Education in June 2004 and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015. LAUSD Office of Environmental Health & Safety Tree Trimming and Removal Policy.	Design Team, PEX

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				adverse effects because successful implementation of translocation is rare. Even if translocation is initially successful, it will typically fail to persist over time. • **Permanent conservation of habitat.** To ensure the conservation of sensitive plant species, the preferred method is permanent conservation of habitat containing these species; any translocation proposed shall only be an experimental component of a larger, more robust plan. • **Off-site acquisition of woodland habitat.** Due to the inherent difficulty in creating functional woodland habitat with associated understory components, the preferred method is off-site acquisition of woodland habitat in the local area. All acquired habitat shall be protected under a conservation easement and deeded to a local land conservancy for management and protection. • **Creation of woodlands**. Any creation of functioning woodlands shall be of similar composition, structure, and function of the affected woodland. The new woodland shall mimic the function, demonstrate recruitment, plant density, canopy, and vegetation cover, as well as other measurable success criteria before the measure is deemed a success. o All seed and shrub sources used for tree and understory species in the new planting site shall be collected or grown from on-site sources or from adjacent areas and may be purchased from a supplier that specializes in native seed collection and propagation. This method should reduce the risk of introducing diseases and pathogens into areas where they might not currently exist. o Woodland species should be replaced by planting seeds. Monitoring efforts, including the exclusion of herbivores, shall be employed to maximize seedling survival during the monitoring period. o Monitoring period for woodlands shall be at least 10 years with a minimum of 7 years without supplemental irrigation. This allows the trees to go through one typical drought cycle. This should also be the minimal time needed to see signs of stress and disease and determine the need for replacement plantings. LAUSD shall request CDFW review and comment on any translocation plans, habitat preservation, habitat creation and/or restoration plans. **Removal of Protected Trees on Existing Campuses** LAUSD shall comply with 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.		
SC-BIO-5	Wetlands, Riparian Habitat, and other Sensitive	Remove native vegetation or alter surface drainage near native habitat communities (e.g.,	During project design; agency coordination prior to construction;	LAUSD shall comply with CDFW recommendations: • Project development or conversion that results in a reduction of wetland acreage or wetland habitat values shall not occur unless, at a minimum, replacement or preservation results in “no net loss” of either wetland habitat values or acreage.	2004 New Construction Program EIR Mitigation Measures B-1.1 and B-1.2, adopted by the Board of Education in June 2004 and 2015 School Upgrade	OEHS

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	Natural Community	wetlands, riparian habitat, and other sensitive natural communities)	monitoring during and after construction (Planning, Construction)	• All wetlands and watercourses, whether intermittent or perennial, should be retained and provided with substantial setbacks which preserve the riparian and aquatic values and maintain their value to on-site and off-site wildlife populations. • A jurisdictional delineation of creeks and their associated riparian habitats shall be conducted pursuant to the USFWS wetland definition. • Implementation of recommended measures shall compensate for affected mature riparian corridors and loss of function and value of wildlife corridors.	Program EIR, certified by the Board of Education in November 2015. Recommendations as listed in CDFW SUP Draft EIR comment letter dated August 4, 2014.	
CULTURAL RESOURCES						
SC-CUL-1	Historic Architect	Direct or indirect effect on historical resources (i.e., buildings, structures, historic districts, and contributing site plan and landscaping features that are either designated or eligible for local, state, or federal landmark listing)	During project design, pre-construction and construction (Planning, Construction)	**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 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.	Los Angeles Unified School District Design Guidelines (as amended). 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015. LAUSD Design Guidelines and Treatment Approaches for Historic Schools. January 2015 (as amended).	Design Team, Historic Architect

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				• 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-CUL-2	Design Guidelines and Treatment Approaches	Direct or indirect effect on historical resources	During project design, design development, pre-construction and construction (Planning, Construction)	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.	School Design Guide. Los Angeles Unified School District (as amended). Los Angeles Unified School District Design Guidelines and Treatment Approaches for Historic Schools. January 2015 (as amended). Specification 01 3591, Historic Treatment Procedures. April 18, 2017 (as amended). .	Design Team, Historic Architect

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				• 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-CUL-3	Temporary Protection Plan	Demolition near or potential damage to historic resources	Prior to demolition or major alteration (Planning, Pre-Construction, Construction)	Prior to any major alteration to or adjacent to a historic resource that may potentially damage historic resources (or previously identified historic features), the Historic Architect shall develop a Temporary Protection Plan that identifies potential risks to the historic resource. The Temporary Protection Plan shall be prepared in coordination with the Construction Contractor and LAUSD prior to demolition or construction. The Temporary Protection Plan may include, but not be limited to, the following components: • Notation of the historic resource on construction plans. • Pre-construction survey to document the existing physical condition of the historic resource. • Procedures and timing for the placement and removal of temporary protection features, around the historic resource. • Monitoring of the installation and removal of temporary protection features by the Historic Architect, or designee. • Post-construction survey to document the condition of the historic resource after Project completion. • Preparation of a technical memorandum documenting the pre-construction and post-construction conditions of the historic resource and compliance with protective measures outlined Temporary Protection Plan.		Historic Architect, Design Team
SC-CUL-4	Documentation of Historic Resources	Demolition or potential damage to any historic resources	Prior to demolition or major alteration (Planning, Construction)	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	2004 New Construction Program EIR Mitigation Measure C-1.5, adopted by the Board of Education in June 2004 and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015.	Design Team

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				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-CUL-5	Salvage and Reuse of Historical Resources	Demolition of historic resource	Prior to demolition or alteration (Construction)	LAUSD shall comply with Design Specification 01 3591, Historic Treatment Procedures, as applicable. This Specification requires the Construction Contractor to submit a Historic Treatment Plan to the District for the protection, repair, and replacement of historic materials and features.	Specification 01 3591, Historic Treatment Procedures. September 26, 2017 (as amended).	Design Team, OEHS, M&O, Construction Contractor
SC-CUL-6	Archaeological Resource	Project area is deemed highly sensitive for archaeological resources or Phase I Archaeological Site Investigation shows a strong possibility that unique archeological resources are buried on the site	Prior to and during ground-disturbing activities (Construction)	LAUSD shall retain a qualified Archaeologist to be available on-call. The Archaeologist shall meet the Secretary of the Interior's Professional Qualifications Standards (48 Federal Register 44738–39). The archaeologist must have knowledge of both prehistoric and historical archaeology. 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 described under SC-CUL-7.	Specification 01 3592, Mitigation Procedures for Archeological Findings. April 18, 2017 (as amended).	Design Team, AM, PEX, AE Services
SC-CUL-7	Archaeological Resources	(1) Historic or unique archaeological resources are discovered, or (2) when unique archaeological resources have been identified on a site, but LAUSD does not implement a Phase III Data Recovery / Mitigation Program	During ground-disturbing activities (Construction)	The Construction Contractor shall halt construction activities within a 30-foot radius of the find and shall notify the LAUSD. • LAUSD shall retain an Archaeologist that meets the Secretary of the Interior's Professional Qualifications Standards (48 Federal Register 44738–39). The archaeologist must have knowledge of both prehistoric and historical archaeology. • The Archaeologist shall have the authority to halt any project-related construction activities that could impact potentially significant resources. • The Archaeologist shall be afforded the necessary time to recover and assess the find. Ground-disturbing activities shall not continue until the discovery has been assessed by the Archaeologist. With monitoring, construction activities may continue on other areas of the project site during evaluation and treatment of historic or unique archaeological resources.	2004 New Construction Program EIR Mitigation Measure C-1.7, adopted by the Board of Education in June 2004 and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015. Specification 01 3592, Mitigation Procedures for Archeological Findings. April 18, 2017 (as amended).	Design Team, AM, PEX, AE Services

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				• If the find is determined to be of value, the Archaeologist shall prepare an Archaeological Monitoring Program and shall monitor the remainder of the ground-disturbing activities. • Significant archaeological resources found shall be curated as determined necessary by the Archaeologist and offered to a local museum or repository willing to accept the resource. • Archaeological reports shall be submitted to the South Central Coastal Information Center at the California State University, Fullerton. • The Archaeological Monitoring Plan shall include: o Extent and duration of the monitoring based on the grading plans o At what soil depths monitoring of earthmoving activities shall be required o Location of areas to be monitored o Types of artifacts anticipated o Procedures for temporary stop and redirection of work to permit sampling, including anticipated radius of suspension of ground disturbances around discoveries and duration of evaluation of discovery to determine whether they are classified as unique or historical resources o Procedures for maintenance of monitoring logs, recovery, analysis, treatment, and curation of significant resources o Procedures for archaeological resources sensitivity training for all construction workers involved in moving soil or working near soil disturbance, including types of archaeological resources that might be found, along with laws for the protection of resources. The sensitivity training program shall also be included in a worker's environmental awareness program that is prepared by LAUSD with input from the Archaeologist, as needed. o Accommodation and procedures for Native American monitors, if required. o Procedures for discovery of Native American cultural resources. • The construction manager shall adhere to the stipulations of the Archaeological Monitoring Plan.		
SC-CUL-8	Archaeological Resource Training	Project construction requires archaeological monitoring	Prior to the start grading, excavation, or other ground-disturbing activities (Construction)	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.		OEHS, Design Team, AM, AE Services, PEX
SC-CUL-9	Archaeological Resources Recovery / Mitigation Program	Archaeological resources are discovered, and it is determined not to avoid them by abandoning the site or	During ground-disturbing activities (Construction)	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	2004 New Construction Program EIR Mitigation Measure C-1.9, adopted by the Board of Education in June 2004 and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015.	Design Team, AM, AE Services, PEX

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		redesigning the project		completed, an Archaeological Monitor shall be present to oversee the ground-disturbing activities to ensure that construction proceeds in accordance with the Program.		
SC-CUL-10	Native American Resources	Evidence of Native American resources is uncovered	During ground-disturbing activities (Construction)	All work shall stop within a 30-foot 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.		Design Team, AM, AE Services, PEX
GEOLOGY AND SOILS						
SC-GEO-1	Seismic Hazards	Requires grading, excavation, or other ground-disturbing activities	During project design, and project construction (Planning, Construction)	LAUSD shall prepare a Geohazard Assessment for the construction of any new school or applicable school addition.	REF-5314.2, Procedures for Environmental Review of Proposed Projects, June 12, 2017 (as amended). 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015.	Design Team, AM, AE Services
SC-GEO-2	Paleontological Resources	Project area is identified as sensitive for paleontological resources	During ground-disturbing activities (Construction)	LAUSD shall retain a Paleontological Monitor to oversee specific ground-disturbing activities as determined by the scope of work and final grading plan. The Monitor shall provide the construction crew(s) with a brief summary of the sensitivity, the rationale behind the need for protection of these resources, and information on the initial identification of paleontological resources. If paleontological resources are uncovered, the Construction Contractor shall halt construction activities within a 30 foot radius of the find and shall notify the LAUSD. • Ground-disturbing activities shall not continue until the discovery has been assessed by the Paleontologist. • The paleontologist shall have the authority to halt construction activities to allow a reasonable amount of time to identify potential resources. • Significant resources found shall be curated as determined necessary by the Paleontologist.	2004 New Construction Program EIR Mitigation Measure C-1.10, adopted by the Board of Education in June 2004 and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015.	Design Team, AM, AE Services, PEX
GREENHOUSE GAS EMISSIONS						
SC-GHG-1	Water Use and Efficiency	Requires work on water pumps, valves, piping, and/or tanks	During operation (Post-Construction)	During operation, LAUSD shall perform regular preventative maintenance on pumps, valves, piping, and tanks to minimize water loss.	LAUSD Best Management Practices, adopted by the Board of Education in June 2004 as part of the 2004 Program EIR and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015. The Collaborative for High Performance Schools. Score Card updated 2014 with 2017 Amendments. Prerequisite WE 1.0	M&O

Reference #	Topic	Trigger for Compliance	Project Implementation Phase	Standard Conditions	Original Source	Responsible Implementing Party (LAUSD or its Designee)
					Minimum Reduction in Indoor Potable Water Use, and WE 1.1 Indoor Water Use, and LAUSD School Design Guide (as amended).	
SC-GHG-2	Water Use and Efficiency	Requires work on landscape irrigation system	Prior to full operation of irrigation system (Post-Construction)	LAUSD shall utilize automatic sprinklers set to irrigate landscaping during the early morning hours to reduce water loss from evaporation.	LAUSD Best Management Practices, adopted by the Board of Education in June 2004 as part of the 2004 Program EIR and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015. The Collaborative for High Performance Schools. Score Card updated 2014 with 2017 Amendments. Prerequisite WE 3.0 and WE 3.1 Irrigation & Exterior Water Budget / Use Reduction (as amended).	M&O
SC-GHG-3	Water Use and Efficiency	Requires work on landscape irrigation system	Prior to full operation of irrigation system (Post-Construction)	LAUSD shall reset automatic sprinkler timers to water less during cooler months and rainy season.	LAUSD Best Management Practices, adopted by the Board of Education in June 2004 as part of the 2004 Program EIR and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015. The Collaborative for High Performance Schools. Score Card updated 2014 with 2017 Amendments. Prerequisite WE 3.0 and WE 3.1 Irrigation & Exterior Water Budget / Use Reduction (as amended).	M&O
SC-GHG-4	Water Use and Efficiency	Requires work on landscape and/or irrigation system	Prior to full operation of irrigation system (Construction)	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.	The Collaborative for High Performance Schools. High Performance Schools Best Practices Manual, Volume III— Criteria. Version 1.0, November 1, 2001. Adopted by the Board of Education on October 28, 2003. Updated 2014 CHPS Scorecard with 2017 Amendments. Prerequisite. Construction Waste Management. WE 3.0, WE 3.1, and LAUSD School Design Guide (as amended).	M&O
SC-GHG-5	Energy Efficiency	Building construction	Prior to occupancy (Planning, Construction)	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	The Collaborative for High Performance Schools. High Performance Schools Best Practices Manual, Volume III— Criteria.	Design Team, AM, PEX, M&O

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				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.	Version 1.0, November 1, 2001. Adopted by the Board of Education on October 28, 2003. Updated 2014 CHPS Scorecard with 2017 Amendments. Prerequisite. Energy Efficiency. EE1.0 and LAUSD School Design Guide (as amended).	
SC-USS-1	Construction Waste Management	Generate demolition debris and/or construction waste	Prior to and during construction (Construction)	Implementation of SC-USS-1.	School Design Guide. Los Angeles Unified School District (as amended). Specification 01 7419, Construction & Demolition Waste Management; October 1, 2011; LAUSD Best Management Practices, adopted by the Board of Education in June 2004 as part of the 2004 Program EIR and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015; Guide Specifications 2004.Section 01 7419, Construction & Demolition Waste Management. October 1, 2011; The Collaborative for High Performance Schools. High Performance Schools Best Practices Manual, Volume III— Criteria. Version 1.0, November 1, 2001. Adopted by the Board of Education on October 28, 2003. Updated 2014 CHPS Scorecard with 2017 Amendments. Prerequisite. Construction Site Waste Management - WM 2.0 and MW 2.1.1. All as amended.	PEX, Construction Contractor
HAZARDS AND HAZARDOUS MATERIALS						
SC-HAZ-1	Electro-magnetic fields	Placement of new classrooms or outdoor play areas within 500 feet of existing high voltage power lines or cell towers	During project design (Planning)	LAUSD shall determine the proximity of electromagnetic field (EMF) generators to new classrooms or outdoor play areas to ensure the EMF generator does not pose a threat. **Criteria for School Siting in Proximity to High Voltage Power Lines or Cell Towers** Board of Education resolutions (Effects of Non-Ionizing Radiation-2000, Wireless Telecommunication Installations - 2009 and T-Mobile - Cell Tower Notification and Condemnation-2009) regarding electromagnetic field (EMF) and radio frequency exposures	California Code of Regulations (CCR), Title 5, Section 14010. REF-5314.2, Procedures for Environmental Review of Proposed Projects, June 12, 2017 (as amended). Board of Education resolutions:	OEHS, AM, AE Services

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				associated with cellular towers near schools whereby a prohibition exists regarding siting towers on school campuses. LAUSD's screening perimeter for new classroom construction or outdoor play area is 200 feet from cell towers and 500 feet from high voltage power lines.	• Effects of Non-Ionizing Radiation-2000 • Wireless Telecommunication Installations-2009 • T-Mobile- Cell Tower Notification and Condemnation-2009California Code of Regulations, Title 5, Section 14010(c).	
SC-HAZ-2	Pipeline Hazards	Placement of new classrooms or outdoor play areas within 1,500 feet of hazardous pipelines	During project design (Planning)	LAUSD shall determine the proximity of new classrooms or outdoor play areas to ensure that these new facilities are placed outside of the established exclusion zone. **Pipeline Safety Hazard Analysis** This document outlines the process for evaluating safety hazards associated with underground and above-ground natural gas and hazardous liquid pipelines. The pipeline safety hazard assessment (PSHA) process determines whether potential releases of natural gas, petroleum product, and crude oil from pipelines located near a school site pose a safety risk to students and staff.	California Code of Regulations (CCR), Title 5, Section 14010. REF-5314.2, Procedures for Environmental Review of Proposed Projects, June 12, 2017 (as amended). 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015. California Code of Regulations, Title 5, Section 14010(h).	OEHS, AM, AE Services
SC-HAZ-3	Rail Hazards	Placement of new classrooms or outdoor play areas within 1,500 feet of a railroad track easement	During project design (Planning)	LAUSD shall prepare a Rail Safety Study (RSS) for the construction of any new classrooms or outdoor play areas that would be located within 1,500 feet of an existing rail line. For construction on existing campuses, if a proposed scope of work has the potential to exacerbate a safety hazard, a RSS will be triggered. **Rail Safety Study Protocol** This document provides a guidance protocol for conducting a RSS. It is designed to assist in evaluating whether traffic on rail lines within a 1,500-foot radius of a school site poses an unreasonable safety hazard to students and staff at the school.	REF-5314.2, Procedures for Environmental Review of Proposed Projects, June 12, 2017. 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015. California Code of Regulations, Title 5, Section 14010(d). All as amended.	OEHS, AM, AE Services
SC-HAZ-4	Impacted Soil	Soil excavation, building remodel, and/or building demolition	During construction (Pre-Construction, Construction)	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.	Code of Federal Regulations [CFR] Title 40, Part 763. Specification 01 4524, Environmental Import/Export Materials Testing; August 29, 2018.	OEHS, PEX

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				• 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).	Specification 02 8213, Asbestos Abatement and Asbestos Related Disturbance; September 22, 2014. Title 29 CFR, Title 8, California Code of Regulations. LAUSD OEHS, Guidelines and Procedures to Address Polychlorinated Biphenyls (PCBs) in Building Materials, Office of Environmental Health and Safety, October 2016. Specification 02 8400, Polychlorinated Biphenyl (PCB); June 22, 2017. All as amended.	
SC-AQ-1	Air Toxics Health Risk	New classrooms or outdoor play areas: - Within 0.25 mile of mobile and stationary emission sources - On the LAUSD priority list of schools most at risk from air pollution - Near an OEHS-identified high-risk facility. - Placement of new classrooms or outdoor play areas within 0.25 mile of emission sources	During project design (Planning)	Implementation of SC-AQ-1.	REF-5314.2, Procedures for Environmental Review of Proposed Projects, June 12, 2017 (as amended). 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015. California Code of Regulations, Title 5, Section 14010.	OEHS, AM, AE Services
HYDROLOGY and WATER QUALITY						
SC-HWQ-1	Stormwater Requirements	Land disturbance	During construction (Construction)	LAUSD shall design and construct the project to meet or exceed the current and applicable stormwater guidelines.	Stormwater Technical Manual. Prepared for LAUSD by Geosyntec Consultants. October 2009 (as amended).	Design Team, AM, AE Services, PEX

Reference #	Topic	Trigger for Compliance	Project Implementation Phase	Standard Conditions	Original Source	Responsible Implementing Party (LAUSD or its Designee)
				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.	The Collaborative for High Performance Schools. High Performance Schools Best Practices Manual, Volume III— Criteria. Version 1.0, November 1, 2001. Adopted by the Board of Education on October 28, 2003. Updated 2014 CHPS Scorecard with 2017 Amendments. Sites – SS 4.0 Construction Sites Runoff Control/ Sedimentation, SS 5.0 Grading and Paving, SS 5.1Post Construction Storm Water Management, and LAUSD School Design Guide (as amended).	
SC-HWQ-2	Stormwater Requirements	Land disturbance	During construction (Construction)	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.	OEHS Compliance Checklist for Storm Water Requirements at Construction Sites (as amended). The Collaborative for High Performance Schools. High Performance Schools Best Practices Manual, Volume III— Criteria. Version 1.0, November 1, 2001. Adopted by the Board of Education on October 28, 2003. Updated 2014 CHPS Scorecard with 2017 Amendments. Sites – SS 4.0 Construction Sites Runoff Control/ Sedimentation, SS 5.0 Grading and Paving, SS 5.1Post Construction Storm Water Management, and LAUSD School Design Guide (as amended).	Design Team, AM, AE Services, PEX
SC-HWQ-3	Miscellaneous Requirements	Ongoing maintenance and repair	During construction and operation (Construction, Post-Construction)	LAUSD shall implement the following programs and procedures, as applicable: • Environmental Training Curriculum – a qualified environmental Monitor shall provide a worker's environmental awareness program that is prepared by LAUSD for the project. • Hazardous Waste Management Program (Environmental Compliance/Hazardous Waste). • Medical Waste Management Program. • Environmental Compliance Inspections. • Safe School Inspection Program. • Integrated Pest Management Program. • Fats Oil and Grease Management Program. • Solid Waste Management Program.	Various LAUSD programs and procedures including: Environmental Training Curriculum; Hazardous Waste Management Program; Medical Waste Management Program; Environmental Compliance Inspections; Safe School Inspections; Integrated Pest Management Program; Fats Oil and Grease Management Program; Solid Waste Management Program;	OEHS, PEX, M&O

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				• Other related programs overseen by OEHS.	All as amended.	
SC-HWQ-4	Flood Hazards	Site acquisition /acquisition of property and/or placement of new building within a flood zone	During project design (Planning)	LAUSD shall analyze potential flood hazards for new projects. The analysis for new projects shall include evaluation of all possible flood hazards as determined by: (1) review of FEMA flood maps; (2) review of flood information provided by local City or County floodplain managers; (3) review of California Department of Water Resources dam safety information; and (4) local drainage analysis by a civil engineer. The flood hazard determination shall include consideration of tsunamis and debris flow. New projects should be located outside of these hazard areas, if practical. Where placing the project outside the floodplain is impractical, the school or project structure shall be protected from flooding by containment and control of flood flows (e.g., elevating lowest floors at least one foot above the expected 100-year flood level).	2004 New Construction Program EIR Mitigation Measure HWQ-5.1 and HWQ-5.2, adopted by the Board of Education in June 2004 and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015.	OEHS, AM, AE Services
SC-HWQ-5	Tsunami Hazards	Place new classrooms or outdoor play areas within 0.62 mile (1 kilometer) of the coast, and less than 100 feet above mean sea level	Prior to classroom occupation (Operation)	LAUSD shall evaluate tsunami hazards to determine if the project site is within a tsunami inundation zone as delineated by California Emergency Management Agency or National Oceanic and Atmospheric Administration. If the project site is within a tsunami hazard zone LAUSD shall prepare a Tsunami Awareness and Evacuation Plan in compliance with the LAUSD Emergency Operations Plan.	2004 New Construction Program EIR Mitigation Measure HWQ-5.3, adopted by the Board of Education in June 2004 and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015.	OEHS, AM, AE Services
SC-HWQ-6	Debris Flow	Place new classrooms or outdoor play areas in areas subject to potentially damaging debris flow	During project design (Planning)	LAUSD shall consult with the Los Angeles County Department of Public Works, and/or local city officials, as appropriate, regarding the debris flow potential near the mouth of or in natural canyons and feasible mitigation measures shall be developed to reduce any potential risk. Potential debris flow hazards shall be reduced by one or more of the following: • Adequate building setbacks from natural slopes. • Construction of debris control facilities in upstream areas. • Monitoring and maintaining potential debris flow areas and basins. In addition, potential loss shall be minimized by establishing an evacuation plan, and elevated awareness and early warning of pending events.	2004 New Construction Program EIR Mitigation Measure HWQ-5.4, adopted by the Board of Education in June 2004 and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015.	OEHS, AM, AE Services
NOISE						
SC-N-1	Exterior Campus Noise	On-campus exterior noise levels would be greater than 67 dBA L_{eq}	During project design (Planning)	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}.[4]	2004 New Construction Program EIR Mitigation Measure N-1.1, adopted by the Board of Education in June 2004 and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015.	OEHS, Design Team, AM, AE Services
SC-N-2	Interior Classroom Noise	Interior classroom noise levels would be	During project design (Planning)	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	2004 New Construction Program EIR Mitigation Measure N-1.2, adopted by the Board of Education in June 2004, the	OEHS, Design Team, AM, AE Services

[4] L10 value represents the noise level that is exceeded 10% of the time or 6 minutes in an hour.

Reference #	Topic	Trigger for Compliance	Project Implementation Phase	Standard Conditions	Original Source	Responsible Implementing Party (LAUSD or its Designee)
		greater than 45 dBA L_{eq}		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 L_{eq} inside classrooms should be modified.	2015 School Upgrade Program EIR, certified by the Board of Education in November 2015, and the most current version of the School Design Guidelines. The Collaborative for High Performance Schools. High Performance Schools Best Practices Manual, Volume III— Criteria. Version 1.0, November 1, 2001. Adopted by the Board of Education on October 28, 2003. Updated 2014 CHPS Scorecard with 2017 Amendments. EQ – 14.0 Acoustical Performance. All as amended.	
SC-N-3	Operational Noise	Operational noise levels from new source exceeds local noise standards, policies, or ordinances at adjacent noise-sensitive land uses	During project design and construction (Planning, Construction)	LAUSD shall incorporate long-term permanent noise attenuation measures between new playgrounds, stadiums, and other noise-generating facilities and adjacent noise-sensitive land uses, to reduce noise levels to meet jurisdictional standards or an increase of 3 dB or less over ambient. Operational noise attenuation measures include, but are not limited to: • Buffer zones; • Berms; • Sound barriers; • Buildings; • Masonry walls; • Enclosed bleacher foot wells; and/or • Other site-specific project design features.	2004 New Construction Program EIR Mitigation Measure N-2.2, adopted by the Board of Education in June 2004 and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015.	Design Team, AM, AE Services, PEX
SC-N-4	Construction Noise and Vibration (Annoyance)	Construction on an existing school campus	Prior to and during construction (Construction)	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.	2004 New Construction Program EIR Mitigation Measure N-3.1, adopted by the Board of Education in June 2004 and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015.	Design Team, AM, PEX
SC-N-5	Vibration (Structural Damage)	Rock blasting	During construction (Construction)	LAUSD shall require the Construction Contractor to minimize blasting for all demolition and construction activities, where feasible.	2004 New Construction Program EIR Mitigation Measure N-5.1, adopted by the Board of Education in June 2004 and 2015 School Upgrade Program EIR,	PEX, Inspection

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					certified by the Board of Education in November 2015.	
SC-N-6	Vibration (Structural Damage)	Pile driving or heavy vibration activities	During construction (Construction)	For projects where pile driving activities are required within 150 feet of a structure, a detailed vibration assessment shall be provided by an acoustical engineer to analyze potential impacts related to vibration to nearby structures and to determine feasible mitigation measures to eliminate potential risk of architectural damage.		PEX, Inspection
SC-N-7	Vibration (Structural Damage)	Vibration intensive activities are planned within 25 feet of a historic building or structure	Prior to and during construction (Construction)	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.		PEX, Inspection
SC-N-8	Construction Noise	Use of large, heavy or noisy construction equipment within 500 feet of a non-LAUSD sensitive receptor	During construction (Construction)	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.	LAUSD Best Management Practices, adopted by the Board of Education in June 2004 as part of the 2004 Program EIR and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015.	OEHS, PEX, Inspection, Design Team

Reference #	Topic	Trigger for Compliance	Project Implementation Phase	Standard Conditions	Original Source	Responsible Implementing Party (LAUSD or its Designee)
				• 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> • 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-N-9	Construction Noise	Use of large, heavy or noisy construction equipment on an operating LAUSD campus	During construction (Construction)	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.[5] Noise control measures may include, but are not limited to: <u>Path Controls</u> • Noise Attenuation Barriers[6] – 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.		OEHS, PEX, Construction Contractor

[5] The need for noise control measures depends on the type and quantity of equipment being used, the work being performed, and the proximity of the construction activity to active exterior use areas (e.g., playgrounds, athletic fields, etc.) or classrooms. For example, the need for noise control measures may be required if a major construction project (e.g. demolition of a building and/or construction of a new building) takes place on an active LAUSD campus.

[6] While the height and Sound Transmission Class (STC) rating of the Noise Attenuation Barrier needed will depend on the project specific conditions, an example of the specifications for a Noise Attenuation Barrier would be: Noise Attenuation Barriers shall be a minimum height of 12 feet and have a minimum Sound Transmission Class rating of 25 (STC-25).

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				Source Controls • 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: Receptor Controls • 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.		
PEDESTRIAN SAFETY						
SC-PED-1	Pedestrian Safety Analysis	Increase student capacity by more than 25% or 10 classrooms	During project design (Planning)	LAUSD shall participate in the Safe Routes to School (SR2S) program. **Caltrans SR2S program.** LAUSD is a participant in the SR2S program administered by Caltrans, local law enforcement, and transportation agencies. OEHS provides pedestrian safety evaluations as a component of traffic studies conducted for new school projects. This pedestrian safety evaluation includes a determination of whether adequate walkways and sidewalks are provided along the perimeter of, across from, and adjacent to a proposed school site and along the paths of identified pedestrian routes within a 0.25-mile radius of a proposed school site. The purpose of this review is to ensure that pedestrians are adequately separated from vehicular traffic.	OEHS pedestrian safety evaluation. REF- 4492.1, School Traffic Study, July 23, 2012 (as amended).	OEHS, Design Team, AM, AE Services
SC-PED-2	Pedestrian Safety Analysis	New campus, new pedestrian/vehicular right-of-ways, or an increase in student capacity by more than 25% or 10 classrooms	During project design (Planning)	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	REF-5314.2, Procedures for Environmental Review of Proposed Projects, June 12, 2017 (as amended). 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015 (as amended).	OEHS, Design Team, AM, AE Services

Reference #	Topic	Trigger for Compliance	Project Implementation Phase	Standard Conditions	Original Source	Responsible Implementing Party (LAUSD or its Designee)
				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-PED-3	Pedestrian Safety Analysis	New campus, new pedestrian/vehicular right-of-ways, or an increase in student capacity by more than 25% or 10 classrooms	During project design (Planning)	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.	REF-5314.2, Procedures for Environmental Review of Proposed Projects, June 12, 2017 (as amended). 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015.	OEHS, Design Team, AM, AE Services
SC-PED-4	Pedestrian Safety Analysis	New campus, new pedestrian/vehicular right-of-ways, or an increase in student capacity by more than 25% or 10 classrooms	During project design (Planning)	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.	LAUSD Traffic Safety Reference Guide. REF-4492.1. July 23, 2012 (as amended).	OEHS, Design Team, AM, AE Services
SC-PED-5	Safe Access to School	Construct bus loading area, student drop-off/pick-up area, and/or parking	During project design (Planning)	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.	School Design Guide. Los Angeles Unified School District (as amended).	Design Team, OEHS, AM, AE Services
SC-T-3	Traffic Analysis	Increase student capacity by more than 25% or 10 classrooms and/or generate additional traffic or shifts traffic patterns	Prior to project approval (Planning, Pre-Construction)	Implementation of SC-T-3.		OEHS, Design Team, AM, AE Services

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SC-T-4	Construction Traffic	Large construction equipment required to use public roadways	Prior to construction (Construction)	Implementation of SC-T-4.		PEX, Construction Contractor
POPULATION AND HOUSING						
SC-PH-1	Property Displacement	Residential or business property acquisition	Prior to construction (Pre-Construction)	**Relocation Assistance Advisory Program** LAUSD shall conform to all residential and business displacement guidelines presented in the LAUSD's Relocation Assistance Advisory Program, which complies with all items identified in the California State Relocation Assistance and Real Property Acquisition Guidelines (California Code of Regulations Title 25, Division 1, Chapter 6).	LAUSD's Relocation Assistance Advisory Program.	Real Estate, Asset Management
PUBLIC SERVICES						
SC-PS-1	Emergency Protection Services	New building, new school, change in campus traffic circulation	Prior to construction (Planning, Construction)	If necessary, LAUSD shall: 1. Have local fire and police jurisdictions review all construction and site plans prior to the State Fire Marshall's final approval. 2. 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.	LAUSD Best Management Practices, adopted by the Board of Education in June 2004 as part of the 2004 Program EIR and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015.	OEHS, Design Team, AM, AE Services
SC-PS-2	Emergency Preparedness & Response	New building, new school, change in campus traffic circulation	During school operation (Operation)	LAUSD shall implement emergency preparedness and response procedures in all schools as required in LAUSD References, Bulletins, Safety Notes, and Emergency Preparedness Plans.	REF-5803.2 - Emergency Drills and Procedures, August 26, 2013. SAF:30 - Emergency Response Protocol for LASUD Existing Facilities, March 2, 2007. Emergency Operations Plan, updated April 2010. BUL-6084.0 - Use of School Facilities in an Emergency or Disaster Situation, June 11, 2013. REF-5511.2 - Safe School Plans Update for 2013-2014, August 15, 2013. BUL-5433.1 - District Emergency Response and Preparedness, March 8, 2013.	OEHS, Risk Management, M&O, School Administration

Reference #	Topic	Trigger for Compliance	Project Implementation Phase	Standard Conditions	Original Source	Responsible Implementing Party (LAUSD or its Designee)
					REF-5451.1 - School Site Emergency/Disaster Supplies, April 12, 2013. REF-5451.2 – School Site Emergency/Disaster Supplies, August 15, 2016. REF 5741.0 - Emergency Response – Communications and Response Actions, April 23, 2012. Other LAUSD Emergency Preparedness Plans (as amended): • Earthquakes • Bio-Terrorism • Heavy Rain and Flooding • Disturbances/ Demonstrations • School Safety • West Nile Virus Precautions • Procedures for Reentry and Cleanup of Fire-Damaged Building • Disposal Procedures for Hazardous Waste and Universal Waste	

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TRANSPORTATION AND CIRCULATION						
SC-T-1	Traffic Analysis	Increase student capacity by more than 25% or 10 classrooms and additional traffic	During project design (Planning)	LAUSD shall implement the applicable vehicular access and parking design guidelines during the planning process. **Traffic and Pedestrian Safety Requirements for New Schools** Requirements identify performance requirements for the selection and design of school sites to minimize potential pedestrian safety risks: • Site Selection • Bus and Passenger Loading Areas • Vehicle Access • Pedestrian Routes to School Requirements also state school traffic 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.	REF-4492.1, School Traffic Study, July 23, 2012 (as amended). 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015 (as amended).	OEHS, AM, Design Team
SC-T-2	Vehicular Access and Parking	Construction of parking, and/or vehicular or pedestrian access	During project design (Planning)	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	School Design Guide (as amended).	AM, Design Team
SC-T-3	Traffic Analysis	Increase student capacity by more than 25% or 10 classrooms and/or generates additional traffic or shifts traffic patterns	Prior to project approval (Planning, Pre-Construction)	LAUSD shall coordinate with the local City or County jurisdiction and agree on the following: • Compliance with the local jurisdiction's design guidelines for access, parking, and circulation in the vicinity of the project. • Scope of analysis and methodology for the traffic and pedestrian study, including trip generation rates, trip distribution, number and location of intersections to be studied, and traffic impact thresholds. • Implementation of SR2S, traffic control and pedestrian safety devices. • Fair share contribution and/or other mitigation measures for potential traffic impacts. • Traffic and pedestrian safety impact studies shall address local traffic and congestion during morning arrival times, and before and after evening stadium events. • Traffic study will use the latest version of Institute of Transportation Engineer's (ITE) Trip Generation manual (or comparable guidelines) to determine trip generation rates (parent vehicles, school buses, staff/faculty vehicles, and delivery vehicles) based on		OEHS, Design Team, AM, AE Services

Reference #	Topic	Trigger for Compliance	Project Implementation Phase	Standard Conditions	Original Source	Responsible Implementing Party (LAUSD or its Designee)
				the size of the school facility and the specific school type (e.g., Magnet, Charter, etc.), unless otherwise required by local jurisdiction. • Loading zones will be analyzed to determine the adequacy as pick-up and drop-off points. Recommendations will be developed in consultation with the local jurisdiction for curb loading bays or curb parking restrictions to accommodate loading needs and will control double parking and across-the-street loading.		
SC-T-4	Construction Traffic	Large construction equipment required to use public roadways	Prior to construction (Construction)	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.		PEX, Construction Contractor
SC-T-5	Vehicle Miles Traveled	Large-scale new construction (10,000 square feet or more) on new property or existing campus	During project design (Planning)	Prior to project approval of large-scale new construction (10,000 square feet or more) on new property or existing campus, LAUSD shall prepare a VMT assessment that documents the project trip generation, whether the project is expected to serve the immediate community or a broader area, and the expected net effect on VMT for the region. If necessary, the VMT assessment shall identify transportation demand management (TDM) measures to reduce VMT impacts.	2023 Subsequent Program EIR	OEHS, Design Team, AM, AE Services
TRIBAL CULTURAL RESOURCES						
SC-TCR-1	Native American Resource	Evidence of Native American resources is uncovered	During ground-disturbing activities (Construction)	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.		OEHS, Design Team, PEX
SC-TCR-2	Native American Resource	Evidence of Native American resources is uncovered	During grading, excavation, or other ground-disturbing activities (Construction)	If 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).	Specification 01 3592, Mitigation and Monitoring Procedures for Archaeological and Historical Findings; April 18, 2017 (as amended).	OEHS, PEX

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				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.		
UTILITIES AND SERVICE SYSTEMS						
SC-USS-1	Construction Waste Management	Generate demolition debris and/or construction waste	Prior to start and during construction (Construction)	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.	School Design Guide. Los Angeles Unified School District (as amended). Specification 01 7419, Construction & Demolition Waste Management; October 1, 2011. LAUSD Best Management Practices, adopted by the Board of Education in June 2004 as part of the 2004 Program EIR and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015. Guide Specifications 2004.Section 01 7419, Construction & Demolition Waste Management. October 1, 2011. The Collaborative for High Performance Schools. High Performance Schools Best Practices Manual, Volume III— Criteria. Version 1.0, November 1, 2001. Adopted by the Board of Education on October 28, 2003. Updated 2014 CHPS Scorecard with 2017 Amendments. Prerequisite. Construction Site Waste Management - WM 2.0 and MW 2.1.1. All as amended.	PEX, Construction Contractor
SC-USS-2	Water Supply	Excavation near water lines	During construction (Construction)	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.	LAUSD Best Management Practices, adopted by the Board of Education in June 2004 as part of the 2004 Program EIR and 2015 School Upgrade Program EIR, certified by the Board of Education in November 2015.	Design Team, AM, AE Services, PEX, M&O

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SC-USS-3	Solid Waste (operation)	New school or new school construction on existing campus	During operation (Planning, Operation)	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.	The Collaborative for High Performance Schools. High Performance Schools Best Practices Manual, Volume III— Criteria. Version 1.0, November 1, 2001. Adopted by the Board of Education on October 28, 2003. Updated 2014 CHPS Scorecard with 2017 Amendments. Materials and Waste Management, Prerequisite. Storage and Collection of Recyclables. MW 1.0 (as amended).	AE, Sustainability Unit, M&O
Wildfire						
SC-WF-1	Wildland Fire Risk Reduction	Schools within Wildland Urban Interface (WUI) zones	Construction and Operation	**Reduction of Wildfire Hazards.** Projects located within a Fire Hazard Severity Zone shall comply with local brush clearance requirements. Specific brush clearance activities include, but are not limited to, the following: • Maintain Defensible Space. Maintain around and adjacent to any building or structure defensible space by removing and clearing away, for a distance of not less than 100 feet on each side thereof or to the property line, whichever is nearer, all flammable vegetation or other combustible growth. This does not apply to ornamental shrubbery or similar plants that are used as groundcover that do not readily support ignition of fire, and if they do not form a means of rapidly transmitting fire form the growth to any building or structure. A greater distance may be required by state law, local ordinance, rule, or regulation. • Remove that portion of any tree that extends within 10 feet of the outlet of any chimney or stovepipe. Trees shall be permitted within the defensible space provided that the horizontal distance between the crowns of adjacent trees is not less than 10 feet. Tree crowns extending to withing 10 feet of any structure shall be pruned to maintain a minimum horizontal clearance of 10 feet. Tree crowns within the defensible space shall be pruned to remove limbs located less than 6 feet above the ground surface. • Deadwood and litter shall be regularly removed from trees. Maintain any tree adjacent to or overhanging any building free of dead or dying wood. • Maintain the roof of any structure free of leaves, needles, or other dead vegetative growth. • Provide and maintain at all times a screen over the outlet of every chimney or stovepipe that is attached to any fireplace, stove, or other device that burns any solid or liquid fuel. The screen shall be constructed of nonflammable material with openings of not more than ½ inch in size.	California Government Code 51182 2023 Subsequent Program EIR	LAUSD
SC-WF-2	Fuel Modification	Construction within Fire Hazard Severity Zones (FHSZs)	Prior to construction	**Preparation of Fuel Modification Plan for Projects in Fire Hazard Severity Zones.** Fuel modification plans shall be prepared for development projects within areas designated as a Fire Hazard Severity Zone within the State Responsibility Areas or Very High Fire Hazard Severity	Los Angeles County General Plan Safety Element.	LAUSD

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				Zone within the Local Responsibility Areas, as described in Title 32, Fire Code. The fuel modification plans are subject to approval by the local authority having jurisdiction and identify specific zones within a property that are require to fuel modification. A fuel modification zone is an area of land where combustible native or ornamental vegetation has been modified and/or partially or totally replaced with drought-tolerant, low-fuel-volume plants.	2023 Subsequent Program EIR,	

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