

IV. Mitigation Monitoring and Reporting Program



IV. Mitigation Monitoring and Reporting Program

1. Introduction

To ensure that the mitigation measures identified in an Environmental Impact Report (EIR) or Mitigated Negative Declaration (MND) are implemented, the California Environmental Quality Act (CEQA) requires the Lead Agency for a project to adopt a program for monitoring or reporting on the revisions it has required for a project and the measures it has imposed to mitigate or avoid significant environmental effects. As specifically set forth in Section 15097(c) of the CEQA Guidelines, the public agency may choose whether its program will monitor mitigation, report on mitigation, or both. As provided in Section 15097(c) of the CEQA Guidelines, “monitoring” is generally an ongoing or periodic process of project oversight. “Reporting” generally consists of a written compliance review that is presented to the decision-making body or authorized staff person.

An EIR has been prepared to address the Project’s potential environmental impacts. The evaluation of the Project’s impacts takes into consideration project design features, which are measures proposed by the Applicant as a feature of the Project and which are detailed in the EIR. Where appropriate, the EIR also identifies mitigation measures to avoid or substantially lessen any significant impacts. This Mitigation Monitoring and Reporting Program (MMRP) is designed to monitor and report implementation of those project design features and mitigation measures.

This MMRP has been prepared in compliance with the requirements of CEQA Section 21081.6 and CEQA Guidelines Section 15097. It is noted that while certain agencies outside of the County of Los Angeles (County) are listed as the monitoring agencies for individual project design features and mitigation measures listed in this MMRP, the County of Los Angeles Chief Executive Office, as Lead Agency for the Project, is responsible for overseeing and enforcing implementation of the MMRP as a whole.

The MMRP below lists each of the proposed project design features and required mitigation measures and identifies the corresponding action required, the mitigation timing, the responsible agency/party, and the monitoring agency or party.

2. Administrative Procedures and Enforcement

This MMRP shall be enforced throughout all phases of the Project. The Applicant shall be responsible for implementing each project design feature and mitigation measure and shall be obligated to provide certification, as identified below, to the appropriate monitoring agency that each project design feature and mitigation measure has been implemented. The Applicant shall maintain records demonstrating compliance with each project design feature and mitigation measure. Such records shall be made available to the County within five business days, upon request. Further, specifically during the construction phase and prior to the issuance of building permits, the Applicant shall retain an independent Construction Monitor, who shall be responsible for monitoring implementation of project design features and mitigation measures during construction activities consistent with this MMRP. The Construction Monitor shall also prepare documentation of the Applicant's compliance with the project design features and mitigation measures during construction every 90 days in a form satisfactory to the County of Los Angeles Chief Executive Office. The documentation must be signed by the Applicant and Construction Monitor.

**Table IV-1
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
A. Aesthetics, Views, Light/Glare, and Shading				
<p>Project Design Feature A-1: Prior to the start of any construction activities, the Applicant shall place temporary construction fencing, approximately 10 to 12 feet high, along the periphery of construction areas on the Project Site, as necessary, to screen construction activity from view at the street level from off-site.</p>	<p>A. Install temporary construction fencing</p>	<p>Prior to start of any construction activities</p>	<p>Applicant/ Construction Manager</p>	<p>Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>
	<p>B. Submit photographs of fencing and Construction Monitor to maintain log demonstrating compliance</p>	<p>Minimum of five business days prior to start of construction</p>	<p>Applicant/ Construction Manager</p>	<p>Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>
<p>Project Design Feature A-2: The Applicant shall ensure that temporary construction barriers and temporary pedestrian walkways are maintained in a visually attractive manner throughout the construction period. Such barriers and walkways shall be visually inspected daily to detect and remove any graffiti or unauthorized materials that may be posted on the barriers and walkways.</p>	<p>A. Maintain log demonstrating compliance</p>	<p>During construction</p>	<p>Applicant/ Construction Manager</p>	<p>Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: City of Los Angeles Department of Building and Safety; City of Los Angeles Department of City Planning</p>
<p>Project Design Feature A-3: During construction and operation of the Project, on-site lighting shall be shielded and/or directed toward the areas to be lit so that no direct beam illumination would fall outside of the Project Site boundary.</p>	<p>A. Maintain log demonstrating compliance for construction lighting</p>	<p>During construction</p>	<p>Applicant/ Construction Manager</p>	<p>Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: City of Los Angeles</p>

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
				Department of Building and Safety
	B. Submit building plans incorporating PDF A-3 lighting requirements for review and approval	Prior to issuance of building permit(s)	Applicant	Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: City of Los Angeles Department of Building and Safety
	C. Construct structures in accordance with approved building plans	Prior to issuance of certificate of occupancy	Applicant	Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: City of Los Angeles Department of Building and Safety
Project Design Feature A-4: All exterior glazing used on building facades shall be of low reflectivity not exceeding approximately 19 percent exterior visible light reflectance to minimize glare.	A. Submit glazing data incorporating PDF A-4 non-reflective surface requirements for review and approval	Prior to issuance of building permit(s)	Applicant	Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: City of Los Angeles Department of Building and Safety
	B. Construct structures in accordance with approved building plans	Prior to issuance of certificate of occupancy	Applicant/ Construction Manager	Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: City of Los Angeles Department of Building and

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
				Safety
Project Design Feature A-5: The plant palette for the landscaped median along Wilshire Boulevard shall be determined in collaboration with the Miracle Mile Civic Coalition and the City of Los Angeles Department of Public Works, Bureau of Street Services, Urban Forestry Division.	A. Submit plant palette plan for landscaped median along Wilshire Boulevard	Prior to issuance of certificate of occupancy	Applicant	Museum Building: City of Los Angeles Department of Public Works, Bureau of Street Services, Urban Forestry Division Ogden Parking Structure: Not Applicable
Project Design Feature A-6: To the extent feasible, outstanding specimen trees and plants in the existing landscaped median which must be removed for the Project may be relocated provided they are retained within the right-of-way either as street trees (along the parkway or within the sidewalks) or within the median. If retention within the right-of-way is infeasible, such trees and plants shall be replaced as directed by the City of Los Angeles Department of Public Works, Bureau of Street Services, Urban Forestry Division.	A. Submit landscaped plan providing new location of relocated trees or replacement trees	Prior to issuance of certificate of occupancy	Applicant	Museum Building: City of Los Angeles Department of Public Works, Bureau of Street Services, Urban Forestry Division Ogden Parking Structure: Not Applicable
B. AIR QUALITY				
Mitigation Measure B-1: During plan check, the Project representative shall make available to the lead agency a comprehensive inventory of all off-road construction equipment, equal to or greater than 50 horsepower, that will be used during any portion of construction for the Project. The inventory shall include the horsepower rating, engine production year, and certification of the specified Tier standard. A copy of each unit's certified tier specification, Best Available Control Technology documentation, and California Air Resources Board or Air Quality Management District operating permit shall be	A. Maintain log demonstrating compliance	Pre- Construction; During construction	Applicant	Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: City of Los Angeles Department of Building and Safety; City of Los Angeles Department of City Planning
	B. Submit inventory to Los Angeles	Pre- Construction; During	Applicant	Museum Building: Los Angeles County Chief

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
available on-site at the time of mobilization of each applicable unit of equipment to allow the Construction Monitor to compare the on-site equipment with the inventory and certified Tier specification and operating permit. Off-road diesel-powered equipment within the construction inventory list described above shall meet or exceed Tier 4 CARB/U.S. EPA standards.	County Chief Executive Office	construction		Executive Office Ogden Parking Structure: City of Los Angeles Department of Building and Safety; City of Los Angeles Department of City Planning
Mitigation Measure B-2: All construction equipment shall be properly tuned and maintained in accordance with the manufacturer’s specifications. The contractor shall keep documentation on-site demonstrating that the equipment has been maintained in accordance with the manufacturer’s specifications.	A. Maintain log demonstrating compliance	During construction	Applicant	Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: City of Los Angeles Department of Building and Safety; City of Los Angeles Department of City Planning
Mitigation Measure B-3: Contractors shall maintain and operate construction equipment so as to minimize exhaust emissions. During construction, trucks and vehicles in loading and unloading queues shall have their engines turned off after five minutes when not in use, to reduce vehicle emissions.	A. Maintain log demonstrating compliance	During construction	Applicant	Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: City of Los Angeles Department of Building and Safety
Mitigation Measure B-4: Construction activities shall be discontinued during second-stage smog alerts. A record of any second-stage smog alerts and of discontinued construction activities as applicable shall be maintained by the Contractor on-site.	A. Maintain log demonstrating compliance	During construction	Applicant	Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: City of Los Angeles Department of Building and Safety; City of Los Angeles Department of City Planning

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
Mitigation Measure B-5: To the extent possible, construction activity shall utilize electricity from power poles rather than temporary diesel power generators and/or gasoline power generators. If stationary petroleum-powered construction equipment, such as generators, must be operated continuously, such equipment shall be located at least 100 feet from sensitive land uses, whenever possible.	A. Maintain log demonstrating compliance	During construction	Applicant	Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: City of Los Angeles Department of Building and Safety
Mitigation Measure B-6: During construction, the Project shall give preference to contractors for soil import/export that have haul trucks meeting EPA Model Year 2007/2010 NO _x emissions levels when such trucks are reasonably available.	A. Maintain log demonstrating compliance	During construction	Applicant	Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: City of Los Angeles Department of Building and Safety; City of Los Angeles Department of City Planning
C. CULTURAL RESOURCES				
Mitigation Measure C-1: Prior to the issuance of any grading permits, the Applicant shall retain a qualified historic preservation professional meeting the Secretary of the Interior's Professional Qualifications Standards for architectural history or historic architecture to review construction plans related to the removal and replacement of the two bridges leading to the Pavilion for Japanese Art and any landscape plans that may affect its setting. The plans shall be reviewed by this professional for compliance with the U.S. Secretary of the Interior's Standards for the Treatment of Historic Properties. If the construction and landscape plans do not comply with the Standards, the professional shall make recommendations for changes to the plans so they comply. The review	A. Submit memorandum for review and concurrence	Prior to issuance of grading permit(s)	Applicant/ Qualified Historic Preservation Professional	Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: Not Applicable

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
shall be summarized in a memorandum, and submitted to the Chief Executive Officer (CEO) for Los Angeles County for concurrence. Grading permits may be issued after the CEO has concurred the plans comply with the Standards.				
Mitigation Measure C-2: The qualified historic preservation professional shall monitor construction activities that may affect the Pavilion for Japanese Art, including removal and replacement of the two bridges connecting to this building. This professional shall meet with the construction contractor on site to discuss minimizing collateral damage, at least five days prior to the removal of the bridges and when construction of the new ramp is 50 percent, 90 percent, and 100 percent complete. Within five days after each meeting, this professional shall prepare a memorandum summarizing the findings, making recommendations as necessary to ensure compliance with the U.S. Secretary of the Interior's Standards for the Treatment of Historic Properties, and documenting construction with digital photographs. The memorandum shall be submitted to the CEO for Los Angeles County for concurrence. If the CEO does not concur, all activities shall cease within the bridge areas until conformance with the Standards is resolved and concurrence is obtained.	A. Construction monitoring by qualified historic preservation professional	During construction associated with the Pavilion for Japanese Art	Applicant/ Qualified Historic Preservation Professional	Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: Not Applicable
	B. Meeting with construction contractor	Minimum of five days prior to removal of bridges and when construction of new bridge is 50 percent, 90 percent, and 100 percent complete	Applicant/ Qualified Historic Preservation Professional	Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: Not Applicable
	C. Submit memorandum for review and concurrence	Within five days after each meeting	Applicant/ Qualified Historic Preservation Professional	Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: Not Applicable
Mitigation Measure C-3: Prior to the issuance of any grading permits, the Applicant shall retain a qualified archaeologist that meets the Secretary of the Interior's Guidelines for an Archeologist (see 36 CFR Part 61) to	A. Submit Monitoring and Discovery Plan for review and approval	Prior to issuance of grading permit(s)	Applicant/ Qualified Archaeologist	Museum Building: Los Angeles County Chief Executive Office; Natural History Museum

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
<p>prepare a Monitoring and Discovery Plan (MDP) to the satisfaction of the CEO for Los Angeles County and the Natural History Museum. In preparing the MDP, the archaeologist shall consult with the Natural History Museum as a primary source of archaeological information about the portion of CA-LAN-159 within Hancock Park. The MDP shall identify locations to be monitored, procedures for identifying cultural resources during construction, methods for evaluating the significance of finds (such as testing), measures that may be undertaken for mitigation, and performance standards to which all parties will be held.</p> <p>Prior to Start of Construction</p> <p>Prior to construction, the qualified archaeologist shall prepare a Worker Environmental Awareness Program (WEAP), which shall be combined with the paleontological WEAP, as required under Mitigation Measure C-6. The archaeologist shall present the cultural portion of the WEAP to all construction staff to provide them with a basic understanding of the types of resources that may be encountered during construction and their importance, the laws protecting those resources, the importance of mitigation, and the procedures to follow when finds are encountered. The Applicant shall require all construction employees to attend the WEAP training session before they begin work at the Project Site.</p> <p>During Construction</p> <p><i>Monitoring:</i> The qualified archaeologist shall monitor all ground-disturbing activities in areas identified by the</p>				<p>Ogden Parking Structure: City of Los Angeles Department of City Planning</p>
	<p>B. Preparation of archaeological Worker Environmental Awareness Program</p>	<p>Prior to construction</p>	<p>Applicant/ Qualified Archaeologist</p>	<p>Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: City of Los Angeles Department of City Planning</p>
	<p>C. Maintain log demonstrating compliance regarding construction employee training</p>	<p>Prior to and during construction</p>	<p>Applicant/ Qualified Archaeologist</p>	<p>Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: City of Los Angeles Department of City Planning</p>
	<p>D. Archaeological monitoring</p>	<p>During construction</p>	<p>Applicant/ Qualified Archaeologist</p>	<p>Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: City of Los Angeles Department of City Planning</p>
	<p>E. Submit final report</p>	<p>Following completion of archaeological monitoring</p>	<p>Applicant/ Qualified Archaeologist</p>	<p>Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: City of Los Angeles Department of City Planning</p>

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
<p>MDP. If isolated artifacts (which comprise three or less artifacts) are discovered during monitoring, they shall be mapped and photographed. Isolated artifacts are not considered significant resources so no further work is necessary for such artifacts. However, If an archaeological resource (which comprises more than three artifacts in association with each other) is found during monitoring and cannot be avoided, construction activities shall be diverted until the resource can be assessed and appropriate recommendations made. The archaeological monitor shall have the authority to halt earthmoving activities within 50 feet of the discovery and redirect heavy equipment away from the discovery site. The resource shall be protected by physical barriers and the monitor shall be present when construction work occurs in this area to ensure that disturbance to the resource is avoided.</p> <p><i>Testing/Evaluation:</i> If an archaeological resource is discovered, and avoidance is not feasible, the archaeologist shall evaluate the significance of the find in accordance with the CEQA Guidelines. A series of test pits will be excavated to better determine the contents and boundaries of the resource, if deemed necessary by an archaeologist. The archaeologist shall prepare an evaluation report that includes a description of the find, the evaluation of its significance, and any recommended measures, including but not limited to data recovery, to mitigate impacts specific to that discovery. This report shall be submitted to the Applicant, the CEO for County of Los Angeles and the Natural History Museum for review and concurrence.</p>				

Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
<p><i>Mitigation:</i> If the resource is found to be significant during testing/evaluation, appropriate mitigation shall be implemented in accordance with the approved evaluation report. If data recovery is recommended as mitigation, a site specific data recovery plan shall be prepared and submitted to the Applicant, the CEO for County of Los Angeles and the Natural History Museum for review and approval. Excavation associated with the data recovery plan shall only be performed after the data recovery plan is approved. Data recovery shall include collecting a representative sample of the deposits that would be destroyed. Data recovery and documentation of recovered resources shall, at minimum, include mapping the discovery location and shall also include one or more of the following: photographs; illustrations of artifacts, features, and soil profiles; artifact collection; and excavation units. Any archaeological resources encountered shall be documented on California Department of Parks and Recreation Forms 523 Series which shall be submitted to the South Central Coastal Information Center (SCCIC) at California State University, Fullerton (CSUF). The archaeologist shall prepare a final report to be filed with the Applicant, the CEO for County of Los Angeles and the Natural History Museum. The report shall include documentation of all discoveries, evaluation of significance, and treatment of the recovered resources.</p>				
<p>Mitigation Measure C-4: In the event that human remains are encountered during construction activities, all ground-disturbing activities within the area of the human remains shall cease and the County Coroner shall be notified (State Health and Safety Code Section</p>	<p>A. Maintain documentation demonstrating compliance</p>	<p>During construction</p>	<p>Applicant/ Construction Manager/ Qualified archaeologist</p>	<p>Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: City of Los Angeles</p>

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
<p>7050.5). If the remains are determined to be of Native American descent, the County Coroner shall notify the California Native American Heritage Commission within 24 hours (Public Resources Code Section 5097.98). The Native American Heritage Commission shall identify the person(s) thought to be the Most Likely Descendent of the deceased Native American, who shall have 48 hours from notification by the Native American Heritage Commission to inspect the site of the discovery of Native American remains and to recommend to the Applicant means for the treatment and disposition of the human remains and associated grave goods. The Applicant shall reinter the remains and associated grave goods with appropriate dignity on the property in a location not subject to further disturbance, as feasible.</p>				<p>Department of City Planning</p>
<p>Mitigation Measure C-5: Prior to the issuance of any grading permits, the Applicant shall retain a qualified paleontologist, who meets the qualifications established by the Society of Vertebrate Paleontology (SVP), to develop and execute a Paleontological Resources Monitoring and Mitigation Plan (PRMMP) for ground-disturbing activities. The PRMMP shall be in conformance with SVP guidelines (2016) and prepared to the satisfaction of the curatorial staff of the Vertebrate Paleontology Section of the Natural History Museum of Los Angeles County and the curatorial staff of the Natural History Museum La Brea Tar Pits & Museum. The PRMMP shall incorporate Mitigation Measures C-6 through C-9 and elaborate on the associated requirements.</p>	<p>A. Submit Paleontological Resources Monitoring and Mitigation Plan for review and approval</p>	<p>Prior to issuance of grading permit(s)</p>	<p>Applicant/ Qualified Paleontologist</p>	<p>Museum Building: Los Angeles County Chief Executive Office; Vertebrate Paleontology Section of Natural History Museum of Los Angeles County; and Natural History Museum La Brea Tar Pits & Museum Ogden Parking Structure: City of Los Angeles Department of City Planning</p>
<p>Mitigation Measure C-6: Prior to construction, the paleontologist shall prepare a Worker Environmental</p>	<p>A. Preparation of paleontological</p>	<p>Prior to</p>	<p>Applicant/ Qualified</p>	<p>Museum Building: Los Angeles County Chief</p>

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
Awareness Program (WEAP), which will be combined with the cultural WEAP, as required under Mitigation Measure C-3. The paleontology portion of the WEAP shall be in compliance with the SVP 2016 guidelines. The paleontologist shall present the paleontological portion of the WEAP to all construction staff to provide them with a basic understanding of the types of fossils that may be encountered and their importance, the laws protecting them, the importance of mitigation, and the procedures to follow when finds are encountered. The Applicant shall require all construction employees to attend the WEAP training session before they begin work at the Project Site.	Worker Environmental Awareness Program	construction	Paleontologist	Executive Office Ogden Parking Structure: City of Los Angeles Department of City Planning
	B. Maintain log demonstrating compliance regarding construction employee training	Prior to and during construction	Applicant/ Construction Manager/ Qualified Paleontologist	Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: City of Los Angeles Department of City Planning
Mitigation Measure C-7: The paleontologist shall review the construction plans at least one week prior to the construction kickoff meeting to become familiar with the depth and patterns of grading activities planned for the Project and ensure the PRMMP is properly executed. The paleontologist, or a monitor under the supervision of the paleontologist, shall monitor all ground-disturbing activities for the presence of paleontological resources. If paleontological resources are encountered during monitoring, all construction activities in the area of the find (the area dimensions shall be determined by the paleontologist based on the type of find) shall be temporarily halted so that the paleontologist can evaluate the find and determine the appropriate treatment in accordance with SVP guidelines for identification, evaluation, disclosure, avoidance or recovery, and curation, as appropriate. The conclusion of the paleontological monitoring effort would be reached when project excavation work is no longer occurring in soils	A. Maintain documentation of construction plans review	One week prior to kickoff meeting	Applicant/ Qualified Paleontologist	Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: City of Los Angeles Department of City Planning
	B. Paleontological monitoring	During construction	Applicant/ Construction Manager/ Qualified Paleontologist	Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: City of Los Angeles Department of City Planning

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
that would be likely to yield paleontological resources.				
Mitigation Measure C-8: The paleontological monitor and/or the paleontologist shall collect all significant fossils encountered during the monitoring process. All significant fossils shall be prepared to the level of identification (including genus and/or species) and permanent preservation. In cases where significant fossils are Brea deposits, which are tar seeps that are different from other types of fossil deposits, a unique type of systematic excavation is required. For any Brea deposits encountered, all fossils detected during excavation of the asphalt masses shall be prepared and conserved; the remaining matrix degreased; and the resultant concentrate inspected for vertebrate, invertebrate, and plant fossils by a qualified paleontologist.	A. Maintain log demonstrating compliance	During grading and excavation	Applicant/ Construction Manager/ Qualified Paleontologist	Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: City of Los Angeles Department of City Planning
Mitigation Measure C-9: At the conclusion of paleontological monitoring effort (when the work is no longer in soils that would be likely to yield paleontological resources), the paleontologist shall prepare a final report detailing the paleontological resources recovered, their significance, treatment, and arrangements made for their curation in a manner that meets the standards published by the Society of Vertebrate Paleontology and the federal Paleontological Resources Preservation Act. The final report shall be filed with the Applicant, the CEO for County of Los Angeles, the Vertebrate Paleontology Section of the Natural History Museum of Los Angeles County and the curatorial staff of the Natural History Museum La Brea Tar Pits & Museum.	A. Submit final report	Following completion of paleontological monitoring	Applicant/ Qualified Paleontologist	Museum Building: Los Angeles County Chief Executive Office Ogden Parking Structure: City of Los Angeles Department of City Planning

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
D. GEOLOGY AND SOILS				
<p>Project Design Feature D-1: Prior to issuance of grading permits, the Applicant shall prepare a load analysis, which shall include geotechnical, structural, and load detail demonstrating that the building would not impose any improper surcharge loads on the concrete lining of the Metro tunnel below, as well as an appropriate instrumentation program in order to determine tolerance. The load analysis shall be coordinated with the Los Angeles County Metropolitan Transportation Authority.</p>	<p>A. Coordination with Metro</p>	<p>Prior to grading permit</p>	<p>Applicant</p>	<p>Museum Building: Los Angeles County Metropolitan Transportation Authority Ogden Parking Structure: Not Applicable</p>
<p>Mitigation Measure D-1: Prior to issuance of grading permits, a final site-specific, design-level geotechnical, geologic, and seismic hazard investigation report that complies with all applicable state and local code requirements shall be prepared by a qualified geotechnical engineer and certified engineering geologist and submitted to both the Los Angeles County Building and Safety Division and the City of Los Angeles Department of Building and Safety for review. The site-specific, design-level geotechnical reports shall address each of the potential geologic hazards addressed in the <i>Preliminary Geotechnical Evaluation Los Angeles County Museum of Art 5905 Wilshire Boulevard, Los Angeles, California 90036</i> prepared by AECOM, August 2018. The site-specific, design-level geotechnical report shall include recommendations for fills and compaction, foundation, expansive soils, corrosive soils, dewatering, and tar sands, as necessary, based on final design and construction plans. The recommendations shall include techniques such as over-excavation and replacement</p>	<p>A. Submit geotechnical/geology report for approval</p>	<p>Prior to grading permit</p>	<p>Applicant</p>	<p>Museum Building: Los Angeles County Department of Public Works Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>

**Table IV-1 (Continued)
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Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
with non-expansive soils, soil treatment, moisture management, and/or specific structural design for expansive soil conditions. The Applicant shall demonstrate to the satisfaction of the County Building and Safety Division with regard to the Museum Building and the City Department of Building and Safety with regard to the Ogden Parking Structure that the recommendations of the final geotechnical report have been incorporated into the grading and construction plans for the Project.				
Mitigation Measure D-2: Should any known or previously undiscovered oil production wells be encountered on the Project Site during construction activities, the Applicant shall halt work in the immediate area and notify the California Division of Oil, Gas, and Geothermal Resources and the Los Angeles Fire Department (LAFD). Any wells encountered shall be abandoned or re-abandoned in accordance with the requirements set forth by the California Division of Oil, Gas, and Geothermal Resources and the Los Angeles Fire Department.	A. If wells are encountered, submittal of abandonment record(s) to California Division of Oil, Gas, and Geothermal Resources	During grading	Applicant	<p>Museum Building: California Division of Oil, Gas, and Geothermal Resources; City of Los Angeles Fire Department; Los Angeles County Fire Department</p> <p>Ogden Parking Structure: California Division of Oil, Gas, and Geothermal Resources; City of Los Angeles Fire Department</p>
Mitigation Measure D-3: Excavation spoils shall require chemical analysis for disposal characterization. If excavation spoils are characterized as non-hazardous, the spoils can be disposed of at a treatment, disposal, and storage facility. However, if the spoils are characterized as hazardous, the spoils shall be disposed at a hazardous waste facility.	A. Maintain log demonstrating compliance	During construction	Applicant	<p>Museum Building: Los Angeles County Fire Department, Health Hazardous Materials Division; City of Los Angeles Fire Department</p> <p>Ogden Parking Structure: City of Los Angeles Department of Building and</p>

**Table IV-1 (Continued)
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Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
				Safety; City of Los Angeles Fire Department
<p>Mitigation Measure D-4: The Project shall implement an instrumentation program to monitor all known surface manifestation and potential locations such as cracks on the paved surface or floor slabs identified within the Project vicinity. In addition, periodic monument survey on selected ground features and critical locations on the installed shoring system shall be performed to ensure the performance of excavation support meets design criteria. If any sign of excessive deformation is observed, excavation shall be temporarily halted and the issue shall be corrected immediately. Furthermore, the Project shall request a review of any relevant instruction information generated by Metro as part of pre-construction baseline conditions.</p>	A. Maintain log demonstrating compliance	During construction	Applicant	<p>Museum Building: Los Angeles County Chief Executive Office; Los Angeles County Department of Public Works</p> <p>Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>
<p>Mitigation Measure D-5: The Applicant shall hire a geotechnical engineer to observe site conditions and conduct soil testing, such as the Standard Test Method for Expansion Index for Soils (ASTM D4829), during construction, in accordance with the site-specific, design-level geotechnical recommendations identified in the report required by Mitigation Measure D-1 to ensure the impact risk due to expansive soils remains less than significant. The geotechnical observation and testing shall be documented in a final geotechnical construction report for geotechnical related as-built information and submitted to both the Los Angeles County Building and Safety Division and the City of Los Angeles Department of Building and Safety for review.</p>	A. Maintain log demonstrating compliance	During construction	Applicant	<p>Museum Building: Los Angeles County Chief Executive Office; Los Angeles County Department of Public Works</p> <p>Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
<p>Mitigation Measure D-6: The Project shall implement the following instrumentation program during construction to monitor any potential impact due to dewatering. The instrumentation program shall include periodic monument survey on selected ground features and critical locations adjacent to neighboring properties shall be performed. In addition, groundwater monitoring wells with water level loggers shall be installed at locations adjacent to the property lines to monitor the groundwater level continuously. If such monitoring should detect any unanticipated issues, construction dewatering shall be temporarily halted and the issues shall be addressed and corrected immediately to the satisfaction of the applicable City or County Department.</p>	<p>A. Maintain log demonstrating compliance</p>	<p>During construction</p>	<p>Applicant</p>	<p>Museum Building: Los Angeles County Chief Executive Office; Los Angeles County Department of Public Works Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>
<p>E. GREENHOUSE GAS EMISSIONS</p>				
<p>Project Design Feature E-1: The Project shall meet the U.S. Green Building Council's (USGBC) Leadership in Energy and Environmental Design (LEED) standards for certification of environmentally sustainable buildings. The Museum Building shall incorporate LEED features achieving Gold certification.</p>	<p>A. Submit building plans incorporating Project Design Feature E-1 LEED requirements for review and approval</p>	<p>Prior to issuance of building permit(s)</p>	<p>Applicant</p>	<p>Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>
	<p>B. Construct structures in accordance with approved building plans</p>	<p>Prior to issuance of certificate of occupancy</p>	<p>Applicant</p>	<p>Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
<p>Project Design Feature E-2: Within the Ogden Parking Structure, at least 20 percent of the total parking spaces provided as part of the Project shall be capable of supporting future electric vehicle supply equipment (EVSE). Plans shall indicate the proposed type and location(s) of EVSE and also include raceway method(s), wiring schematics and electrical calculations to verify that the electrical system has sufficient capacity to simultaneously charge all electric vehicles at all designated EV charging locations at their full rated amperage. Plan design shall be based upon Level 2 or greater EVSE at its maximum operating capacity. Only raceways and related components are required to be installed at the time of construction. When the application of the 20 percent results in a fractional space, round up to the next whole number. A label stating “EV CAPABLE” shall be posted in a conspicuous place at the service panel or subpanel and next to the raceway termination point.</p>	<p>A. Submit building plans incorporating Project Design Feature E-2 requirements for review and approval</p>	<p>Prior to issuance of Building Permit(s)</p>	<p>Applicant</p>	<p>Museum Building: Not Applicable Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>
<p>Project Design Feature E-3: At least 5 percent of the total parking spaces provided within the Ogden Parking Structure shall be equipped with EV charging stations. Plans shall indicate the proposed type and location(s) of charging stations. Plan design shall be based on Level 2 or greater EVSE at its maximum operating capacity. When the application of the 5-percent requirement results in a fractional space, round up to the next whole number.</p>	<p>A. Submit building plans incorporating Project Design Feature E-3 requirements for review and approval</p>	<p>Prior to issuance of building permit</p>	<p>Applicant</p>	<p>Museum Building: Not Applicable Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>
<p>F. HAZARDS AND HAZARDOUS MATERIALS</p>				
<p>Project Design Feature F-1: Construction activities would be conducted in accordance with relevant health and safety requirements, including OSHA Safety and</p>	<p>A. Preparation and Implementation of Health and Safety</p>	<p>During Construction</p>	<p>Applicant/ Contractor</p>	<p>Museum Building: Los Angeles County Chief Executive Office; Los</p>

Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
<p>Health Standards and Cal/OSHA requirements to address risks to workers or the public in the event that elevated levels of subsurface gases are encountered during grading and construction. In addition, during construction, the Project would implement a Health and Safety Plan that includes continuous control systems to prevent potential methane and hydrogen sulfide hazards. The following specific measures would be implemented:</p>	<p>Plan by environmental professional</p>			<p>Angeles County Department of Public Health Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>
<ul style="list-style-type: none"> • Safety training for all workers would be implemented in order to respond to any methane gas or hydrogen sulfide hazards and would include training to identify exposure systems and implement alarm response, as well as identification of mandatory personal protective equipment requirements; • Monitoring devices would be in place to alert workers of any potential gas hazard; • Enclosed or confined spaces would be ventilated in a manner so as to not allow methane to exceed 20 percent of the lower explosion limit for methane, and no ignition sources may be present indoors or outdoors when the concentrations may reasonably be expected to exceed 25 percent as set forth by Cal/OSHA; • The contractor is advised to take extra precautions during construction activities such as welding, or other activities that could generate a spark. The contractor is advised to monitor methane concentrations in the work area and adhere to the Health and Safety requirements; • The 10 parts per million exposure limit for hydrogen sulfide set forth by Cal/OSHA would be adhered to; 	<p>B. Maintain log demonstrating compliance</p>	<p>During Construction</p>	<p>Applicant/ Contractor</p>	<p>Museum Building: Los Angeles County Chief Executive Office; Los Angeles County Department of Public Health Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
<ul style="list-style-type: none"> • Contingency plans and procedures would be in place in the event of a methane gas alarm; • Exposure to contaminated soil and groundwater would be limited and phased in order to minimize any potential hazard. Areas of soil and groundwater that are exposed during excavation would be minimized by staggering exposed demolition areas to reduce the potential for off-gassing or vapor encroachment; and • Construction fencing would be installed to limit access to the Project Site and provide additional distance between the public and excavation activities to allow for gas and vapor dilution. 				
<p>Project Design Feature F-2: Due to the potential for excavated soil to contain methane, tar, hydrocarbons and other contaminants, prior to the issuance of a building permit, a Soil Management Plan shall be prepared and be reviewed and approved by the Los Angeles County Building and Safety Division for the Museum Building and by the City of Los Angeles Department of Building and Safety for the Ogden Parking Structure. As part of the Soil Management Plan, excavated soils shall be sampled and tested for disposal based on specified testing parameters and frequency. Contaminated soil shall be removed, transported and disposed of at a permitted facility in accordance with SCAQMD, DTSC and LARWQCB requirements.</p>	<p>A. Submit Soil Management Plan for review and approval</p>	<p>Prior to issuance of building permit</p>	<p>Applicant</p>	<p>Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>
	<p>B. Maintain log demonstrating compliance</p>	<p>Prior to issuance of building permit</p>	<p>Applicant</p>	<p>Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>
<p>Project Design Feature F-3: Methane mitigation systems for the Museum Building and the Ogden Parking Structure shall be implemented that meet Level V</p>	<p>A. Submittal of plans showing methane mitigation</p>	<p>Prior to issuance of building permit</p>	<p>Applicant</p>	<p>Museum Building: Los Angeles County Department of Public Works, Building</p>

Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
<p>Methane Zone Requirements as identified by the City of Los Angeles Ordinance No. 175,790 or equivalent. The specific methane mitigation system components set forth in the Methane Hazard Mitigation Standard Plan may be implemented with alternative designs permitted to address the unique characteristics of the Project Site including high groundwater and flowing tar. Alternative designs shall specifically address the sub-slab venting system, dewatering system, and mechanical extraction system and are anticipated to be similar to the successful methane system installed within the LACMA West campus. Such systems shall be shown on building plans and approved by the County or City, as appropriate, prior to installation.</p>	systems;			<p>and Safety Division Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>
	B. Maintain log demonstrating compliance	Prior to issuance of building permit	Applicant	<p>Museum Building: Los Angeles County Department of Public Works, Building and Safety Division Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>
<p>Project Design Feature F-4: Prior to the issuance of a certificate of occupancy, the Applicant shall prepare an Operations and Maintenance Plan, in conjunction with the methane mitigation system components, to be reviewed and approved by the Los Angeles County Building and Safety Division for the Museum Building and by the City of Los Angeles Department of Building and Safety for the Ogden Parking Structure. The Operations and Maintenance Plan shall: (1) outline the respective manufacturers' required service procedures for the gas detection and mechanical ventilation systems; (2) include the required frequency of calibration of alarm system components; (3) identify a contingency plan that includes specific guidelines for future work and repairs that may impact the integrity of the methane mitigation systems; and (4) identify the LAFD's Regulations, alarm testing requirements, system certification checklist, and annual inspection requirements.</p>	A. Submit Operations and Maintenance Plan for review and approval	During Construction	Applicant	<p>Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>
	B. Maintain log demonstrating compliance	During Construction	Applicant	<p>Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
<p>Project Design Feature F-5: An Emergency Plan would be developed prior to the issuance of a certificate of occupancy to address gas detections resulting in emergency situations during operation of the Project. The Emergency Plan would be reviewed and approved by the Los Angeles County Building and Safety Division for the Museum Building and by the City of Los Angeles Department of Building and Safety for the Ogden Parking Structure. The Emergency Plan would include an outline of the required signage and LAFD contact information displayed per the requirements of the methane ordinance. Emergency procedures must be visually displayed per the locations designated by the LAFD. The Emergency Plan would also indicate the responsible party to interact with the LAFD in the event of an emergency.</p>	<p>A. Submit Emergency Plan for review and approval</p>	<p>During Construction</p>	<p>Applicant</p>	<p>Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>
	<p>B. Maintain log demonstrating compliance</p>	<p>During Construction</p>	<p>Applicant</p>	<p>Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>
<p>G. HYDROLOGY, WATER QUALITY, AND GROUNDWATER</p>				
<p>Project Design Feature G-1: Prior to the issuance of a grading permit, the Applicant shall provide evidence to the County of Los Angeles Department of Public Works, as appropriate, that a Notice of Intent has been filed with the State Water Resources Control Board for coverage under the Construction General Permit and a certification that a Stormwater Pollution Prevention Plan has been prepared. Such evidence would consist of a copy of the Notice of Intent stamped by the State Water Resources Control Board or Los Angeles Regional Water Quality Control Board, or a letter from either agency stating that the Notice of Intent has been filed. The Stormwater Pollution Prevention Plan would include a menu of Best Management Practices to be selected and implemented</p>	<p>A. Submit documentation of filing of Notice of Intent and certification that a stormwater pollution prevention plan has been prepared</p>	<p>Prior to Grading Permit</p>	<p>Applicant</p>	<p>Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>
	<p>B. Maintain log demonstrating compliance</p>	<p>Prior to Grading Permit</p>	<p>Applicant</p>	<p>Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: City of Los Angeles</p>

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
<p>based on the phase of construction and the weather conditions to effectively manage stormwater runoff and control erosion. Best Management Practices to be implemented as part of the Project could include, but not be limited to, the following:</p> <ul style="list-style-type: none"> • Erosion Control BMPs to protect the soil surface and prevent soil particles from detaching. Selection of the appropriate erosion control BMPs would be based on minimizing areas of disturbance, stabilizing disturbed areas, and protecting slopes/channels; • Sediment Control BMPs, which are treatment controls that trap soil particles that have been detached by water or wind. Selection of the appropriate sediment control BMPs would be based on keeping sediments on-site and controlling the site boundaries; • Wind Erosion Control BMPs, which consist of applying water to prevent or minimize dust nuisance; • Tracking Control BMPs, which consist of preventing or reducing the tracking of sediment off-site by vehicles leaving the construction area. These BMPs include street sweeping and vacuuming. The construction site would have a stabilized construction entrance to prevent off-site tracking of sediment and debris; • Non-Stormwater Management BMPs, which are also referred to as “good housekeeping practices” involve keeping a clean, orderly construction site; and • Waste Management and Materials Pollution Control BMPs consist of implementing procedural and structural BMPs for handling, storing, and disposing of wastes generated by a construction project to prevent the release of waste materials into stormwater runoff or 				<p>Department of Building and Safety</p>

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
discharges through the proper management of construction waste.				
<p>Project Design Feature G-2: Groundwater may be encountered during construction activities, including during excavation and installation of the methane mitigation system, which would require dewatering. The extracted groundwater may include dissolved methane and hydrogen sulfide gases, hydrocarbons, metals, and volatile organic compounds that exceed water quality standards. In addition, vapor encroachment caused by the release of vapors from impacted groundwater may occur. Therefore, groundwater vapors would be monitored and extracted groundwater would require treatment prior to discharge into the storm drain system. Dewatering, treatment and disposal of groundwater would occur in accordance with LARWQCB’s requirements.</p>	A. Maintain log demonstrating compliance	During Construction	Applicant	<p>Museum Building: County of Los Angeles Department of Public Works</p> <p>Ogden Parking Structure: City of Los Angeles Department of Building and Safety; Los Angeles Regional Water Quality Control Board</p>
I. NOISE				
<p>Project Design Feature I-1:</p> <ul style="list-style-type: none"> Power construction equipment (including combustion engines), fixed or mobile, will be equipped with state-of-the-art noise shielding and muffling devices (consistent with manufacturers’ standards). All equipment will be properly maintained to assure that no additional noise, due to worn or improperly maintained parts, would be generated. The construction contractor will periodically document on-site conditions with photographs to demonstrate that the equipment has been maintained in accordance with manufacturer’s specifications. 	A. Maintain log demonstrating compliance	During Construction	Applicant	<p>Museum Building: Los Angeles County Chief Executive Office; Los Angeles County Department of Public Health (for support and consultation)</p> <p>Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
<ul style="list-style-type: none"> • Staging and delivery areas will be located as far as feasible from existing residences. • To the extent feasible, hydraulic equipment will be used instead of pneumatic impact tools and electrical powered equipment will be used instead of diesel powered equipment. • Idling of construction equipment, when not in use or during loading/unloading will be minimized. • Stationary equipment will be placed as far as feasible from existing residences. • A conspicuous sign will be posted at entrances to construction with contact information for residents to report any noise or other complaints. 				
<p>Project Design Feature I-2: Project construction will not include the use of driven (impact) pile systems.</p>	<p>A. Maintain log demonstrating compliance</p>	<p>During Construction</p>	<p>Applicant</p>	<p>Museum Building: Los Angeles County Chief Executive Office; Los Angeles County Department of Public Health (for support and consultation)</p> <p>Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>
<p>Project Design Feature I-3: All outdoor mounted mechanical equipment will be enclosed or screened from off-site noise-sensitive receptors. The enclosure or screen shall provide a minimum Sound Transmission Class (STC) 20 rating and break the line-of-sight to the off-site sensitive receptors.</p>	<p>A. Submittal of compliance report by noise consultant</p>	<p>Prior to issuance of Certificate of Occupancy</p>	<p>Applicant</p>	<p>Museum Building: Los Angeles County Chief Executive Office; Los Angeles County Department of Public Health (for support and consultation)</p>

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
				Ogden Parking Structure: City of Los Angeles Department of City Planning; City of Los Angeles Department of Building and Safety
	B. Maintain log demonstrating compliance	Prior to issuance of Certificate of Occupancy	Applicant	Museum Building: Los Angeles County Chief Executive Office; Los Angeles County Department of Public Health (for support and consultation) Ogden Parking Structure: City of Los Angeles Department of City Planning; City of Los Angeles Department of Building and Safety
Project Design Feature I-4: Outdoor amplified sound systems (e.g., speaker and stereo systems, amplification systems, or other sound-producing devices) will be designed so as not to exceed the maximum noise level of 75 dBA (Leq-1hr) at a distance of 25 feet from the amplified sound systems location at the outdoor dining areas and 95 dBA (Leq-1hr) at a distance of 25 feet for the amplified sound systems during special events.	A. Submittal of compliance report by noise consultant	Prior to issuance of Certificate of Occupancy for permanent outdoor dining areas and prior to use at special events	Applicant	Museum Building: Los Angeles County Chief Executive Office; Los Angeles County Department of Public Health (for support and consultation) Ogden Parking Structure: Not Applicable
	B. Maintain log demonstrating compliance	Prior to issuance of Certificate of Occupancy for permanent	Applicant	Museum Building: Los Angeles County Chief Executive Office; Los Angeles County Department

Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
		outdoor dining areas and prior to use at special events		of Public Health (for support and consultation) Ogden Parking Structure: Not Applicable
<p>Mitigation Measure I-1: A temporary and impermeable sound barrier, or equivalent noise reduction feature, shall be erected at the following locations. The temporary sound barrier shall have a minimum STC 25 rating.</p> <ul style="list-style-type: none"> • Along the southern property line of the Spaulding Lot between the construction areas and existing multi-family residential use on Spaulding Avenue. The temporary sound barrier shall be 18 feet tall and designed to provide a minimum 15-dBA noise reduction at ground level of the adjacent noise-sensitive receptors R1 and R6. • Along the eastern property line of the Spaulding Lot between the construction areas and existing multi-family residential use on Stanley Avenue. The temporary sound barrier shall be 18 feet tall and designed to provide a 16-dBA noise reduction at ground level of the residential use along the east side of Stanley Avenue (receptor R2). • The Applicant is proposing to maintain the existing Metro’s noise barrier along the southern property line of the Ogden Lot between the construction areas and existing multi-family residential use on Ogden Drive, during the Ogden Parking Structure construction. In the event Metro removes the existing noise barrier, a temporary sound barrier 18 feet in height shall be provided and designed to provide a minimum 16-dBA 	A. Submittal of compliance report by noise consultant	During Construction	Applicant	<p>Museum Building: Los Angeles County Chief Executive Office</p> <p>Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>
	B. Maintain log demonstrating compliance	During Construction	Applicant	<p>Museum Building: Los Angeles County Chief Executive Office</p> <p>Ogden Parking Structure: City of Los Angeles Department of Building and Safety</p>

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
noise reduction at the ground level of the adjacent noise-sensitive receptor R5.				
<p>Mitigation Measure I-2: Prior to start of construction for the Ogden Parking Structure, the Applicant shall retain the services of a structural engineer or a qualified professional to visit the existing multi-family building structure on Ogden Drive adjacent to the Ogden Lot to inspect and document the apparent physical condition of the buildings' readily-visible features.</p>	A. Submittal of compliance documentation by qualified professionals	Prior to issuance of grading permit; During Construction	Applicant	<p>Museum Building: Not Applicable</p> <p>Ogden Parking Structure: City of Los Angeles Department of Building and Safety; City of Los Angeles Department of City Planning</p>
<p>The Applicant shall retain the services of a qualified acoustical engineer to review proposed construction equipment and develop and implement a vibration monitoring system capable of documenting the construction-related ground vibration levels at the off-site multi-family residential building during the site demolition and excavation for the Ogden Parking Structure, where heavy construction (e.g., large bulldozer and drill rig) would be operating within 12 feet of the multi-family residential building adjacent to the south. In the event that site access to the adjacent off-site multi-family residential building is not available for the vibration monitoring, vibration monitoring shall be conducted at a distance of 10 feet from the construction equipment (representative of the distance between the off-site building and the construction equipment). Vibration monitoring will include the following:</p> <p>a) The vibration monitoring system shall measure and continuously store the peak particle velocity (PPV) in inch/second. Vibration data shall be stored on a one-second interval. The system shall also be programmed for two preset velocity levels: a warning</p>	B. Maintain log demonstrating compliance	Prior to issuance of grading permit; During Construction	Applicant	<p>Museum Building: Not Applicable</p> <p>Ogden Parking Structure: City of Los Angeles Department of Building and Safety; City of Los Angeles Department of City Planning</p>

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
<p>level of 0.2 inch/second (PPV) and a regulatory level of 0.3 inch/second (PPV) at the off-site building. The system shall also provide real-time alert when the vibration levels exceed the preset level.</p> <p>b) In the event the warning level of 0.2 inch/second (PPV) is triggered, the contractor shall identify the source of vibration generation and provide feasible steps to reduce the vibration level, including, but not limited to, halting/staggering concurrent activities and utilizing lower vibratory techniques.</p> <p>c) In the event the regulatory level 0.3 inch/second (PPV) is triggered, the contractor shall halt the construction activities in the vicinity of the building and have the structural engineer or a qualified professional visually inspect the building for any damage. Results of the inspection must be logged. The contractor shall identify the source of vibration generation and provide feasible steps to reduce the vibration level. Construction activities may then restart.</p>				
J. PUBLIC SERVICES—FIRE PROTECTION				
<p>Project Design Feature J-1: As part of the construction contract, the Applicant shall require the construction contractor to include a number of fire precautions and protection requirements in the construction contract. The fire precautions and protection requirements may include, but are not limited to, having only a reasonable working supply of flammable building materials located inside or on the roof of the buildings, using flameproof tarpaulins and securing them in-place against damage or flapping from winds, and providing the required number of portable fire extinguishers.</p>	<p>A. Maintain log demonstrating compliance</p>	<p>During Construction</p>	<p>Applicant</p>	<p>Museum Building: Los Angeles County Fire Department</p> <p>Ogden Parking Structure: City of Los Angeles Department of City Planning, City of Los Angeles Fire Department</p>

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
<p>Project Design Feature J-2: The Project shall install, at minimum, automatic fire sprinklers in all interior spaces of the Museum Building and Ogden Parking Structure as well as on the underside of the Museum Building where it spans Wilshire Boulevard.</p>	<p>A. Submit plans for review and approval</p>	<p>Prior to issuance of building permit</p>	<p>Applicant</p>	<p>Museum Building: Los Angeles County Fire Department Ogden Parking Structure: City of Los Angeles Fire Department</p>
	<p>B. Maintain log demonstrating compliance</p>	<p>Prior to issuance of building permit</p>	<p>Applicant</p>	<p>Museum Building: Los Angeles County Fire Department Ogden Parking Structure: City of Los Angeles Fire Department</p>
<p>K. TRAFFIC, ACCESS, AND PARKING</p>				
<p>Project Design Feature K-1: A Parking and Traffic Management Plan shall be implemented by the Applicant to reduce Project-related traffic on the surrounding street system. Components of the plan shall include measures to effectively manage and direct parking demand and traffic on weekdays and weekends during peak attendance for the Project. The Parking and Traffic Management Plan shall be subject to review and approval by the County and City. Parking and Traffic Management Plan strategies are anticipated to facilitate more direct routing to off-street parking lots, as well as encourage visitors and employees/staff to reduce parking demand and vehicular traffic on the adjacent streets during the peak hours by promoting carpooling and non-auto travel (e.g., transit incentives, employee carpooling programs, transit subsidies, etc.).</p>	<p>A. Submit Parking and Traffic Management Plan for review and approval</p>	<p>Prior to issuance of Certificate of Occupancy</p>	<p>Applicant</p>	<p>Museum Building: Los Angeles County Department of Public Works Ogden Parking Structure: City of Los Angeles Department of Transportation</p>

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
<p>Mitigation Measure K-1: Construction Management Plan— Prior to the start of construction, the Applicant shall prepare a detailed Construction Management Plan, including street closure information, a detour plan, haul routes, locations of off-site parking facilities for construction workers, and a staging plan, which shall be submitted to LADOT for review and approval. The Construction Management Plan shall be based on the nature and timing of the specific construction activities and other projects in the vicinity of the Project Site, and shall include, but not be limited to, the following elements, as appropriate:</p> <ul style="list-style-type: none"> • Advance notification of adjacent property owners and occupants, as well as nearby schools, of upcoming construction activities, including durations and daily hours of construction. • Prohibition of construction worker parking on adjacent residential streets. • Temporary pedestrian and vehicular traffic controls during all construction activities adjacent to Wilshire Boulevard and 6th Street to ensure traffic safety on public rights-of-way. These controls shall include, but are not limited to, flag people trained in pedestrian and student safety. • Temporary traffic control during all construction activities adjacent to public rights-of-way to improve traffic flow on public roadways (e.g., flag men). • Scheduling of construction activities to reduce the effect on traffic flow on surrounding arterial streets. • Parking restrictions on construction-related vehicles 	<p>A. Submit Construction Management Plan for review and approval</p>	<p>Prior to issuance of grading permit</p>	<p>Applicant</p>	<p>Museum Building: City of Los Angeles Department of Transportation Ogden Parking Structure: City of Los Angeles Department of Transportation</p>
	<p>B. Maintain log demonstrating compliance</p>	<p>Prior to issuance of grading permit</p>	<p>Applicant</p>	<p>Museum Building: City of Los Angeles Department of Transportation Ogden Parking Structure: City of Los Angeles Department of Transportation</p>

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
<p>parking on surrounding public streets.</p> <ul style="list-style-type: none"> • Safety precautions for pedestrians and bicyclists through such measures as alternate routing and protection barriers as appropriate, including along all identified LAUSD pedestrian routes to nearby schools. • Scheduling of construction-related deliveries, haul trips, worker trips, etc., so as to: (1) occur outside the commuter peak hours to the extent feasible; and (2) not impede school drop-off and pick-up activities and students using LAUSD’s identified pedestrian routes to nearby schools. • Coordination with the Academy Museum and off-site parking facilities to fully accommodate the parking demand of employees, visitors, and construction workers during construction activities. • Coordination with public transit agencies to provide advance notifications of stop relocations and durations. • Coordination with the Los Angeles Bureau of Engineering Major Transit and Transportation Construction Traffic Management Committee to verify scheduled transit-related construction activity • Coordination of construction activities with the Metro Purple Line Extension Project. • Advance notification of temporary parking removals and duration of removals. • Detour plans to address temporary road closures during construction. • An information sign shall be posted at the entrance to the construction sites that provides a community telephone number to call and receive information about 				

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
the construction project or to report concerns regarding construction.				
L. TRIBAL CULTURAL RESOURCES				
<p>Mitigation Measure L-1: Prior to issuance of a grading permit, the Applicant shall retain a qualified Native American Monitor from the Gabrieleño Band of Mission Indians-Kizh Nation to monitor all grading activities within the Project Site. The Native American Monitor shall photo-document the grading activities; maintain a daily monitoring log that describes the daily construction activities, locations, soils, and mappings of the graded areas; and document any identified tribal cultural resources. If tribal cultural resources are encountered during Project grading, all ground-disturbing activities within the vicinity of the find shall cease and the Native American Monitor shall evaluate the significance of the find, and if significant, recommend appropriate measure(s) to mitigate impacts. Such measure(s) may include avoidance, preservation in place, Phase III data recovery and associated documentation, or other appropriate measures. The County shall determine the appropriate and feasible measure(s) that will be necessary to mitigate impacts, in consideration of the measure(s) recommended by the Native American Monitor. The Applicant shall implement all measure(s) that the County determined to be necessary, appropriate and feasible. Within 60 days after grading activities are completed, the Native American Monitor shall prepare and submit a final report about any recovered tribal cultural resources, the significance of the resources, and the treatment of the recovered resources to the County</p>	A. Native American Monitoring	During grading and excavation activities	Applicant	<p>Museum Building: Los Angeles County Chief Executive Office</p> <p>Ogden Parking Structure: City of Los Angeles Department of City Planning</p>
	B. Final Report	Prior to issuance of Certificate of Occupancy	Applicant	<p>Museum Building: Los Angeles County Chief Executive Office</p> <p>Ogden Parking Structure: City of Los Angeles Department of City Planning</p>

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
and the California Native American Heritage Commission. In addition, the Native American Monitor shall submit the monitoring log and photo documentation, accompanied by a photo key, to the County.				
M. UTILITIES AND SERVICE SYSTEMS—WATER SUPPLY AND INFRASTRUCTURE				
Project Design Feature M-1: The Project would use high-efficiency toilets (maximum 1.28 gallons per flush), including dual-flush water closets, and no-flush or waterless urinals in all non-residential restrooms, as appropriate.	A. Include fixtures on project plans submitted for review and approval	Prior to issuance of building permit	Applicant	Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: Not Applicable
	B. Maintain log demonstrating compliance	Prior to issuance of building permit	Applicant	Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: Not Applicable
Project Design Feature M-2: The Project would use non-residential restroom faucets with a maximum flow rate of 0.4 gallon per minute and non-residential kitchen faucets (except restaurant kitchens and for bar and café facilities) with a maximum flow rate of 1.5 gallons per minute. The Project would use restaurant kitchen/bar faucets with pre-rinse self-closing spray heads with a maximum flow rate of 1.6 gallons per minute.	A. Include fixtures on project plans submitted for review and approval	Prior to issuance of building permit	Applicant	Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: Not Applicable
	B. Maintain log demonstrating compliance	Prior to issuance of building permit	Applicant	Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: Not Applicable
Project Design Feature M-3: The Project would use non-residential restroom faucets of a self-closing design	A. Include fixtures on project plans submitted for review	Prior to issuance of building permit	Applicant	Museum Building: County of Los Angeles Department

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
(i.e., that would automatically turn off when not in use).	and approval			of Public Works Ogden Parking Structure: Not Applicable
	B. Maintain log demonstrating compliance	Prior to issuance of building permit	Applicant	Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: Not Applicable
Project Design Feature M-4: The Project would use proper hydro-zoning, turf minimization, zoned irrigation and native/drought-tolerant plant materials.	A. Include fixtures on project plans submitted for review and approval	Prior to issuance of building permit	Applicant	Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: City of Los Angeles Department of Building and Safety; City of Los Angeles Bureau of Street Services, Urban Forestry Division
	B. Maintain log demonstrating compliance	Prior to issuance of building permit	Applicant	Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: City of Los Angeles Department of Building and Safety; City of Los Angeles Bureau of Street Services, Urban Forestry Division
Project Design Feature M-5: The Project would use landscape contouring to minimize precipitation runoff.	A. Include fixtures on project plans submitted for review	Prior to issuance of building permit	Applicant	Museum Building: County of Los Angeles Department

Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
	and approval			of Public Works Ogden Parking Structure: City of Los Angeles Department of Building and Safety; City of Los Angeles Department of City Planning
	B. Maintain log demonstrating compliance	Prior to issuance of building permit	Applicant	Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: City of Los Angeles Department of Building and Safety; City of Los Angeles Department of City Planning
Project Design Feature M-6: The Project would use a minimum irrigation system distribution uniformity of 75 percent.	A. Include fixtures on project plans submitted for review and approval	Prior to issuance of building permit	Applicant	Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: City of Los Angeles Department of Building and Safety; City of Los Angeles Department of City Planning
	B. Maintain log demonstrating compliance	Prior to issuance of building permit	Applicant	Museum Building: County of Los Angeles Department of Public Works Ogden Parking Structure: City of Los Angeles Department of Building and Safety; City of Los Angeles

**Table IV-1 (Continued)
Project Design Features and Mitigation Monitoring and Reporting Program**

Project Design Feature/ Mitigation Measure	Action Required	Mitigation Timing	Responsible Agency or Party	Monitoring Agency or Party
				Department of City Planning
<p>List of Acronyms: Applicant = Museum Associates CEO = Chief Executive Office CSUF = California State University, Fullerton LAUSD = Los Angeles Unified School District LEED = Leadership in Energy and Environmental Design MDP = Monitoring and Discovery Plan OSHA = Occupational Safety and Health Administration PRMMP = Paleontological Resources Monitoring and Mitigation Plan SCCIC = South Central Coastal Information Center SVP = Society of Vertebrate Paleontology USGBC = U.S. Green Building Council's WEAP = Worker Environmental Awareness Program</p>				