

Mitigation Monitoring and Reporting Program

The California Environmental Quality Act (CEQA) requires a lead or responsible agency to adopt a mitigation monitoring and reporting program (MMRP) when approving or carrying out a project (Section 21081.6 of the California Public Resources Code). The purpose of this program is to ensure that the mitigation measures identified in an Initial Study (IS) and Mitigated Negative Declaration (MND) are implemented as detailed in the draft environmental document. As lead agency for the Haynes Generating Station Sewer Force Main Project (Project), the Long Beach Utility Department (LBUD) is responsible for implementation of this MMRP per the requirements of CEQA.

Public Resources Code Section 21081.6 mandates that the following requirements shall apply to all reporting or mitigation monitoring programs:

- The public agency shall adopt a reporting or monitoring program for the changes made to the project or conditions of project approval in order to mitigate or avoid significant effects on the environment. The reporting or monitoring program shall be designed to ensure compliance during project implementation. For those changes which have been required or incorporated into the project at the request of a Responsible Agency or a public agency having jurisdiction by law over natural resources affected by the project, that agency shall, if so requested by the Lead Agency or a Responsible Agency, prepare and submit a proposed reporting or monitoring program.
- The Lead Agency shall specify the location and custodian of the documents or other material which constitute the record of proceedings upon which its decision is based. A public agency shall provide the measures to mitigate or avoid significant effects on the environment that are fully enforceable through permit conditions, agreements, or other measures. Conditions of project approval may be set forth in referenced documents which address required mitigation measures or in the case of the adoption of a plan, policy, regulation, or other project, by incorporating the mitigation measures into the plan, policy, regulation, or project design.
- Prior to the close of the public review period for a Draft Environmental Impact Report (EIR) or MND, a Responsible Agency, or a public agency having jurisdiction over natural resources affected by the project, shall either submit to the Lead Agency complete and detailed performance objectives for mitigation measures which would address the significant effects on the environment identified by the Responsible Agency or agency having jurisdiction over natural resources affected by the project, or refer the Lead Agency to appropriate, readily available guidelines or reference documents. Any mitigation measures submitted to a Lead Agency by a Responsible Agency or an agency having jurisdiction over natural resources affected by the project shall be limited to measures which mitigate impacts to resources that are subject to the statutory authority of, and definitions applicable to, that agency. Compliance or noncompliance by a Responsible Agency or agency having jurisdiction over natural resources affected by a project with that requirement shall not limit that authority of the Responsible Agency or agency having jurisdiction over natural resources affected by a project, or the authority of the Lead Agency, to approve, condition, or deny projects as provided by this division or any other provision of law.

Table 1 lists each mitigation measure described for the Project and identifies the responsible entity for implementation of each measure as well as timing for when the measure would be implemented.

Table 1. Mitigation and Monitoring Reporting Program

Mitigation Measures	Action Required	Responsible Party	Timing for Mitigation Measure	Compliance Verification		
				Initial	Date	Comments
Aesthetics						
<p>MM AES-1: Screen Staging Areas and Restore Affected Construction Areas. Staging areas shall be sited and screened to minimize visual disturbance to surrounding residential and commercial parcels through the use of non-reflecting materials. To the extent feasible, all disturbed areas (e.g., roadway trenches and staging areas) shall be restored to their preconstruction condition. All existing landscaping that is removed or damaged during construction shall be replaced in-kind, along with irrigation hardware.</p>	Verification of screening and landscaping restoration	LBUD	During construction			
<p>MM AES-2: Incorporate Design Elements to Integrate Proposed Above-Ground Surfaces into Their Surroundings. Design elements shall be used to enhance visual integration of the above-ground PRS with its surroundings. These elements may include, but are not limited to, the following:</p> <ul style="list-style-type: none"> • Painting (with earth-colored tones) of structural façades to blend with surrounding land uses, • Use of fencing or structural materials similar to those used by nearby land uses, and • Installation of berms and/or landscaping around the facility. 	Verification PRS is visually integrated with its surroundings	LBUD	During construction			
<p>MM AES-3: Implement Lighting and Material to Reduce Light and Glare. The construction contractor shall be required to reduce light and glare on surrounding land uses by shielding permanent exterior lighting, orienting all exterior lighting downward, or installing lights activated only by sensors. To minimize incidental light, new lighting fixtures shall be cutoff-type fixtures that cast low-angle illumination and provide natural color rendering and light qualities. In</p>	Verification light and glare reduction measures are implemented	LBUD	During construction			



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addition, the use of highly reflective building materials and/or finishes in the design of its proposed above-ground structures shall be limited.						
Biological Resources						
<p>Mitigation Measure BR 1: Avoid Effects on Crotch’s Bumble Bee, if present.</p> <p>Focused surveys for Crotch’s bumble bee will be conducted prior to construction by a qualified entomologist. A minimum of three surveys will be needed throughout the entire Project site prior to construction and shall occur at least two to four weeks apart. If Crotch’s bumble bee are detected, no work shall occur in that area until LBUD has coordinated with the CDFW to determine appropriate avoidance and minimization measures, and/or obtain necessary approvals. A qualified entomologist will be employed to complete a pre-construction survey for Crotch’s bumble bee during the appropriate flying season (April – August). Pre-construction surveys will be conducted within 48 hours prior to initial ground disturbance and vegetation removal.</p>	Preconstruction focused surveys for Crotch’s bumble bee	LBUD	Prior to construction			
<p>Mitigation Measure BR-2: Avoid Effects on Monarch Butterfly, if present.</p> <p>Roosting monarch surveys will be conducted prior to construction by a qualified biologist. Surveys will be needed throughout the entire Project site. An overwintering grove habitat and impact assessment will be completed after the season appropriate surveys. If overwintering grove habitat is detected, no work shall occur in that area until LBUD has coordinated with the CDFW to determine appropriate avoidance and minimization measures, and/or obtain necessary approvals. If vegetation</p>	Preconstruction roosting monarch surveys	LBUD	Prior to construction			

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removal activities occur between September 16 and March 14, roosting monarch surveys will be conducted prior to vegetation removal activities, and no vegetation removal will occur if monarch roosting sites are present. Vegetation removal can occur once a qualified biologist has confirmed that the overwintering monarchs have vacated the roosting site in the spring.						
<p>MM BR-3: Avoid Effects on Migratory and Nesting Birds. Vegetation removal, ground disturbance activities, and construction demolition shall occur outside of the nesting bird season (January 1 through September 31). If construction activities occur during this time period, a preconstruction nesting bird survey will be conducted (within 7 days prior to construction activities) by a qualified biologist to determine if active nests are present within the area proposed for disturbance. If active nests are found, standardized buffers will be implemented based on the species to avoid nesting activities of breeding birds/raptors. All construction personnel shall be notified regarding buffer distances directed to avoid entering buffer zones until the nest is determined to be inactive by a qualified biologist. Encroachment into buffer zones shall only occur at the discretion of the qualified biologist. This mitigation measure applies to all Project-related activities in the Study Area.</p>	Preconstruction nesting bird surveys	LBUD	Prior to construction			
<p>MM BR-4: Worker Environmental Awareness Training. Prior to the start of construction, all Project personnel and contractors who will be on site during construction shall complete mandatory training conducted by the Project Biologist or a designated qualified biologist. Any new Project personnel or contractors that come on board after the initiation of</p>	Conduct Worker Environmental Awareness Program training	LBUD	Prior to construction			



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<p>construction shall also be required to complete the mandatory Worker Environmental Awareness Program training before they commence with work. The training shall advise workers of potential impacts on jurisdictional resources. At a minimum, the training shall include the following topics: (1) occurrences of special status species and special status vegetation communities in the Project Study Area (including vegetation communities subject to USACE, CDFW, and RWQCB jurisdiction), (2) the purpose for resource protection; (3) protective measures to be implemented in the field, including strictly limiting activities, vehicles, equipment, and construction materials to the fenced to avoid jurisdictional resource areas in the field (i.e., avoid areas delineated on maps or on the Project site by fencing); (5) environmentally responsible construction practices; and (6) the protocol to resolve conflicts that may arise at any time during the construction process.</p>						
<p>Mitigation Measure BR-5: Avoid Effects on Burrowing Owls.</p> <p>A qualified biologist shall conduct focused burrowing owls, per CDFW protocol. A minimum of four survey visits within suitable habitat for burrowing owl would be required with the following requirements: 1) at least one site visit between February 15 and April 15, and 2) a minimum of three survey visits, at least three weeks apart, between April 15 and July 15, with at least one visit after June 15. Surveys would occur within non-native grasslands within the SCE ROW and the eucalyptus woodland area adjacent to SR-22 and I-405.</p> <p>Should active burrows (occupied by burrowing owls) be detected, no Project activities would take place within 200 feet of an active burrow. A Burrowing Owl Mitigation Plan may be required to report on any</p>	<p>Preconstruction focused burrowing owl surveys</p>	<p>LBUD</p>	<p>Prior to construction</p>			

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potential impacts and the management/mitigation procedures appropriate for the impacts. This may include the prohibition of construction activities within an active burrow until the offspring have fledged and left the burrow or an environmental awareness presentation to instruct contractors and workers on site on the presences of burrowing owls, restricted areas, and adherence to any buffer zones.						
<p>MM BR-6: Impacts to Trees Protected Under the City of Long Beach Tree Ordinance. Trees located on City of Long Beach property require a tree trimming permit. If tree trimming or removal is required as part of the Project, the Project proponent shall acquire a tree trimming permit from the City. All conditions in the permit must be followed to be compliant with City regulations. In some cases, the City arborist shall be engaged to assess the significance of the tree being impacted as well as guide trimming crews to the extent of vegetation that can be removed to avoid tree mortality. In addition, if a tree is determined to be historically or culturally significant, avoidance is recommended.</p>	Obtain tree trimming or removal permit (if applicable)	LBUD and City of Long Beach	Prior to construction			
<p>MM BR-7: Impacts to bat species and/or maternity sites. Although bat roosting, foraging, and maternity sites were not identified during field surveys, unanticipated impacts may occur during construction. Prior to Project activities, a qualified biologist shall conduct a survey of potential roosting sites (primarily inspections on bridge crossings over San Gabriel River). The survey shall be performed to clear work areas no more than 14-days prior to the start of construction, if colonies or individuals are identified, work shall proceed under the guidance of a qualified biologist.</p>	Conduct pre-construction bat roosting surveys	LBUD	Prior to construction			



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Cultural Resources						
<p>MM CUL-1: Retention of Qualified Archaeologist and Worker Training. Prior to the issuance of a grading permit by the City of Long Beach, evidence shall be provided to the City and responsible agencies that a qualified archaeologist meeting the Secretary of the Interior’s Standards for professional archaeology (U.S. Secretary of the Interior 2008) has been retained by the Applicant to conduct any required training, evaluation, or treatment of archaeological resources that might be encountered during implementation of the project. As part of this, prior to the start of grading, the qualified archaeologist shall conduct cultural resources sensitivity training for all construction personnel. Construction personnel must be informed of the types of archaeological resources that may be encountered (both prehistoric and historical), and of the proper procedures to be enacted in the event of an inadvertent discovery of archaeological resources or human remains. The LBUD (or contractor) must ensure that construction personnel are made available for and attend the training and retain documentation demonstrating attendance. This documentation shall be made available to the City upon request.</p>	Verify qualified archaeology has been retained and worker training has been conducted	LBUD	Prior to construction			
<p>MM CUL-2: Treatment of Human Remains. In accordance with California Health and Safety Code Section 7050.5, if human remains are found, the Los Angeles County Coroner shall be immediately notified of the discovery. No further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains (100 feet or as determined by the project archaeologist) shall occur until the procedures set forth in this measure have been implemented. If the</p>	Verification that work is halted and County Coroner and/or NAHC consultation has occurred (if human remains are discovered)	LBUD	During construction			

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County Coroner determines that the remains are, or are believed to be, Native American, the Coroner shall notify the Native American Heritage Commission (NAHC) within 24 hours. In accordance with California PRC Section 5097.98, the NAHC must immediately notify those persons it believes to be the Most Likely Descendant (MLD) from the deceased Native American. The MLD shall complete their inspection within 48 hours of being granted access to the site. The designated Native American representative would then determine, in consultation with the property owner, the disposition of the human remains.						
<p>MM CUL-3: Archeological Resource and/or Tribal Cultural Resource Discovery and Treatment.</p> <p>In the event of the unanticipated discovery of archaeological or other cultural resources, whether discovered through Native American monitoring or not, all work activities in the area (within approximately 100 feet of the discovery) shall be halted or redirected until the discovery can be evaluated by a qualified archaeologist. Construction shall not resume until a qualified archaeologist has conferred with the City and responsible agencies and, in the case of prehistoric archaeological resources and tribal cultural resources, the Native American monitor, on the significance of the resource. If it is determined that the discovered archaeological resource and/or tribal cultural resource is significant under CEQA, avoidance and preservation in place shall be the preferred manner of mitigation, pursuant to Public Resource Code Section 21083.2(b) and Section 21084.3. Preservation in place may be accomplished by, but is not limited to, avoidance, incorporating the resource into open space, capping, or deeding the site into a permanent conservation easement. In the</p>	Verification that work is halted, and consultation has occurred with qualified archaeologist and/or Native American monitor (if archeological or other cultural resources are discovered)	LBUD	During construction			



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<p>event that preservation in place is demonstrated to be infeasible and data recovery through excavation is the only feasible mitigation available, a Treatment Plan shall be prepared and implemented by a qualified archaeologist, in consultation with the City, that provides for the adequate recovery of the scientifically consequential information contained in the archaeological resource or cultural information in the event of a tribal cultural resource. The City shall also consult with appropriate Native American representatives in determining treatment for prehistoric or Native American resources to ensure cultural values ascribed to the resources, beyond those that are scientifically important, are considered. Any evaluation and treatment shall be supervised by an individual or individuals that meet the Secretary of the Interior’s Professional Qualification Standards.</p>						
Geology and Soils						
<p>MM GS-1: Prepare Geotechnical Report Along Proposed Conveyance Route. LBUD shall require preparation of a geotechnical report for the Project route during design to identify and confirm localized soil conditions and constraints, groundwater levels, and groundwater quality. The geotechnical report shall be subject to review by the City Engineer, or designee. The construction contractor shall comply with site-specific design recommendations as provided in the final geotechnical report by a licensed geotechnical or civil engineer.</p>	<p>Review and approve geotechnical report</p>	<p>LBUD</p>	<p>Prior to construction</p>			
<p>MM GS-2: Incorporate Pipeline Failure Contingency Measures. Isolation valves or similar devices shall be incorporated into the Project to prevent significant losses of industrial wastewater discharge in the</p>	<p>Verify specifications of isolation valves or similar devices</p>	<p>LBUD</p>	<p>Prior to construction</p>			

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event of pipeline rupture. The specifications of the isolation valves will conform to the Uniform Building Code (UBC), American Water Works Association (AWWA), and LBUD standards.						
MM GS-3: Inadvertent Discovery Clause. In the event that a paleontological resource is exposed during construction activities, all construction work occurring within 100 feet of the find shall immediately stop until a qualified paleontologist meeting the professional standards of the Society of Paleontology can evaluate the significance of the find and determine whether or not additional study is warranted. If the discovery is clearly not significant, the paleontologist may document the find and allow work to continue. If the discovery proves potentially significant under CEQA, additional work such as preparation of a paleontological treatment plan (including preservation and removal of the resource) and monitoring in the area of the find may be warranted.	Verify work is halted and a qualified paleontologist is consulted (if a paleontological resource is exposed)	LBUD	During construction			
Hazards and Hazardous Materials						
MM HAZ-1: Accidental Discovery of Undocumented Soil and/or Groundwater Contamination. If unidentified contaminated soil and/or groundwater are encountered, or if suspected contamination is encountered during any construction activities, work shall be halted in the area of potential exposure immediately, the lead agency will be notified, and the type and extent of contamination shall be identified. A qualified professional, in consultation with appropriate regulatory agencies, will then develop and implement a plan to remediate the contamination and properly dispose of the contaminated material.	Review and approve remediation plan (if unidentified contaminated soil or groundwater is encountered)	LBUD	During construction			



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Hydrology and Water Quality						
<p>MM HYD-1: Prepare Stormwater Pollution Prevention Plan. A SWPPP will be prepared for the project construction in accordance with the NPDES Construction General Permit (Order 2022-0057-DWQ) requirements. A Qualified Stormwater Developer (QSD) shall develop the SWPPP, and a Qualified Stormwater Practitioner (QSP) shall implement the measures as delineated in the SWPPP. The objectives of the SWPPP are to identify sources of pollution associated with construction activity and project operations that may affect the quality of storm water runoff that could discharge from the site and to design and implement storm water pollution prevention measures to reduce pollutants. The SWPPP shall include best management practices that require containment of the construction area for portions of the project alignment that extend along bridges and over open water.</p>	Prepare SWPPP and verify storm water pollution prevention measures are implemented	Construction contractor and LBUD	Prior to construction and during construction			
Noise						
<p>MM NOI-1: Comply with Noise Abatement Ordinance. All construction contractors shall comply with the City of Long Beach and City of Seal Beach construction noise ordinances and noise levels allowable based on current land use designation. Construction shall not be allowed between 7 AM and 7 PM Monday through Friday and 9 AM to 6PM on Saturdays. Nighttime construction activities will be prohibited.</p>	Verification construction is conducted in accordance with city ordinances	LBUD	During construction			
<p>MM NOI-2: Employee Noise-Reducing Construction Practices.</p>	Verification construction is conducted in	LBUD	During construction			

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<p>Construction contractor shall identify and employ noise-reducing construction practices. This provision shall be reflected in contract documents. Measures that may be used to limit noise consistent with the Long Beach Noise Ordinance and Seal Beach noise standards include, but are not limited to:</p> <ol style="list-style-type: none"> locating equipment as far a practical from noise sensitive uses, using mufflers on all standard equipment, selecting haul routes that affect the fewest number of people, using noise-reducing enclosures around noise-generating equipment, constructing barriers between noise sources and noise-sensitive land uses or taking advantage of existing barrier features (terrain, structures) to block sound transmission, and enclosing equipment. 	<p>accordance contract documents</p>					
<p>MM NOI-3: Vibration Monitoring. The following measures shall be incorporated on all grading and building plans and specifications subject to approval of LBUD prior to issuance of a demolition or grading permit:</p> <ul style="list-style-type: none"> The contractor shall utilize a construction vibration monitoring system with the potential to measure low levels of vibration to minimize and avoid human annoyance and structural damage, in accordance with local vibration standards. If the human annoyance criterion and the structural damage criterion are exceeded, construction must cease, and alternate strategies shall be employed in coordination with a qualified acoustical engineer. Conduct sensitivity training to inform construction personnel about the existing sensitive receptors surrounding the project alignment and about methods to reduce noise and vibration. 	<p>Verification vibration monitoring is conducted in accordance with grading and building plans; verify worker sensitivity training is conducted</p>	<p>LBUD</p>	<p>Prior to construction and during construction</p>			



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Transportation						
<p>MM TR-1: Prepare Standard Traffic Control Plan (TCP). During the final engineering phase and at least 30 days prior to construction, a construction TCP shall be prepared by the contractor and reviewed and approved by the lead agency, City of Long Beach/LBUD.</p> <p>The lane/street and bike trail closures in the construction TCP shall be coordinated between the construction contractor, private businesses, public transit and bus operators, emergency service providers, and residents to minimize construction related vehicular traffic impacts. During planned closures, traffic shall be re routed to adjacent streets via clearly marked detours and notice shall be provided in advance to applicable parties (nearby residences, emergency service providers, public transit and bus operators, the bicycle community, businesses, and organizers of special events). The TCP shall identify proposed closure schedules and detour routes, as well as construction traffic routes, including haul truck routes, and preferred delivery/haul out locations and hours so as to avoid heavily congested areas during peak hours, where feasible. The following provisions shall be included in the TCP:</p> <ul style="list-style-type: none"> • Access to adjacent residences shall be maintained during business hours via existing or temporary driveways, and residences at all times, as feasible. • Advance notice signs shall be posted prior to construction in areas where access to residences could be affected. • Los Angeles Department of Transportation, Long Beach, Seal Beach, and Caltrans shall be provided an opportunity to review and comment on the 	Prepare TCP and approval of TCP	Construction contractor, LBUD, and City of Long Beach	Prior to construction			

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<p>TCP for each phase of Project construction and notified in advance of street closures, detours, or temporary lane reductions.</p> <ul style="list-style-type: none"> • Construction activities will occur outside of peak hours. • Proposed detour routes for pedestrian and bicycle traffic along San Gabriel River Bike Trail if required. 						
Tribal Cultural Resources						
<i>Mitigation measures TCR-1, TCR-2, and TCR-3 were provided by the Gabrieleño Band of Mission Indians – Kizh Nation and apply to the monitoring and treatment by this tribe.</i>						
<p>Mitigation Measure TCR-1: Retain a Native American Monitor Prior to Commencement of Ground-Disturbing Activities.</p> <p>A. The project applicant/lead agency shall retain a Native American Monitor from or approved by the Gabrieleño Band of Mission Indians – Kizh Nation. The monitor shall be retained prior to the commencement of any “ground-disturbing activity” for the subject project at all project locations (i.e., both on-site and any off-site locations that are included in the project description/definition and/or required in connection with the project, such as public improvement work). “Ground-disturbing activity” shall include, but is not limited to, demolition, pavement removal, potholing, auguring, grubbing, tree removal, boring, grading, excavation, drilling, and trenching.</p> <p>B. A copy of the executed monitoring agreement shall be submitted to the lead agency prior to the earlier of the commencement of any ground-disturbing activity, or the issuance of</p>	<p>Prepare Native Monitoring Agreement, verify implementation of Monitoring Agreement</p>	<p>LBUD</p>	<p>Prior to construction</p>			



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<p>any permit necessary to commence a ground-disturbing activity.</p> <p>C. The monitor will complete daily monitoring logs that will provide descriptions of the relevant ground-disturbing activities, the type of construction activities performed, locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe. Monitor logs will identify and describe any discovered TCRs, including but not limited to, Native American cultural and historical artifacts, remains, places of significance, etc., (collectively, tribal cultural resources, or “TCR”), as well as any discovered Native American (ancestral) human remains and burial goods. Copies of monitor logs will be provided to the project applicant/lead agency upon written request to the Tribe.</p> <p>D. On-site tribal monitoring shall conclude upon the latter of the following (1) written confirmation to the Kizh from a designated point of contact for the project applicant/lead agency that all ground-disturbing activities and phases that may involve ground-disturbing activities on the project site or in connection with the project are complete; or (2) a determination and written notification by the Kizh to the project applicant/lead agency that no future, planned construction activity and/or development/construction phase at the project site possesses the potential to impact Kizh TCRs.</p>						
<p>Mitigation Measure TCR-2: Unanticipated Discovery of Tribal Cultural Resource Objects (Non-Funerary/Non-Ceremonial).</p>	<p>Verification that work is halted and County Coroner</p>	<p>LBUD</p>	<p>Prior to construction</p>			

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Upon discovery of any TCRs, all construction activities in the immediate vicinity of the discovery shall cease (i.e., not less than the surrounding 50 feet) and shall not resume until the discovered TCR has been fully assessed by the Kizh monitor and/or Kizh archaeologist. The Kizh will recover and retain all discovered TCRs in the form and/or manner the Tribe deems appropriate, in the Tribe's sole discretion, and for any purpose the Tribe deems appropriate, including for educational, cultural and/or historic purposes.	and NAHC consultation has occurred (if human remains are discovered)					
<p>Mitigation Measure TCR-3: Unanticipated Discovery of Human Remains and Associated Funerary or Ceremonial Objects.</p> <p>A. Native American human remains are defined in PRC 5097.98 (d)(1) as an inhumation or cremation, and in any state of decomposition or skeletal completeness. Funerary objects, called associated grave goods in Public Resources Code Section 5097.98, are also to be treated according to this statute.</p> <p>B. If Native American human remains and/or grave goods are discovered or recognized on the project site, then Public Resource Code 5097.9 as well as Health and Safety Code Section 7050.5 shall be followed.</p> <p>C. Human remains and grave/burial goods shall be treated alike per California Public Resources Code section 5097.98(d)(1) and (2).</p> <p>D. Preservation in place (i.e., avoidance) is the preferred manner of treatment for discovered human remains and/or burial goods.</p>	Verification that treatment procedures are followed in consultation with Native American monitor (if human remains are discovered)	LBUD	Prior to construction			



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E. Any discovery of human remains/burial goods shall be kept confidential to prevent further disturbance.						
<i>Mitigation measures TCR-4, TCR-5, and TCR-6 were provided by the Gabrielino Tongva Indians of California (GTIOC) and apply to the monitoring and treatment by this tribe.</i>						
<p>Mitigation Measure TCR-4: Retain a Native American Monitor.</p> <p>2. A qualified and certified indigenous tribal member of Gabrielino Tongva Indians of California (GTIOC) and direct lineal descendant of the project site (NAGPRA section 10.14) to provide the professional Native American Monitoring required for only the ground disturbing activity on the site. Ground disturbances including but not limited to the removal of asphalt/cement/slurry, trenching, boring, excavation, auguring, grubbing, tree removal, grading and drilling will be monitored. The Tribal Monitor will only be required on site when these ground disturbing activities occur.</p> <p>B. The GTIOC monitor will be responsible for observing all mechanical and hand labor excavations to include paddle scrapers, blade machines, front-end loaders, back hoe, boring and drill operations as well as hydraulic and electric chisels. Associated work using tools such as picks and other non-electric or gasoline tools that are not regarded as mechanical will be monitored for their soil disturbances.</p> <p>C. Soils that are removed from the work site are considered culturally sensitive and are subject</p>	Prepare Native Monitoring Agreement, verify implementation of Monitoring Agreement	LBUD	Prior to construction			

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<p>to inspection. These soils whether placed in a dump truck or spots piles are to be inspected. The monitor will temporarily hold excavations until a determination is made on the sensitivity of the of the soil. If the soils are sensitive, an archeological monitor will verify the find and notify site supervisor.</p> <p>2. If any archaeological or paleontological, or cultural deposits, are discovered, including but not limited grave related artifacts, artifacts of traditional cultural, religious, or spiritual sites, or any other artifacts relating to the use or habitation sites, all construction shall cease within at least 50 feet of the discovery and held until the proper authorities are contacted.</p> <p>2. The GTIOC monitor may make recommendations during the course of the project when a cultural area has been impacted. The GTIOC monitor will be authorized to halt or redirect excavation activities to another area as an assessment is made. Both archeological and GTIOC will work together to insure that the area is warranted as being culturally sensitive before a determination is made. Avoidance and directing an alternative route from this culturally sensitive area is highly recommended.</p> <p>2. Any artifacts associated within the site that are not associated with any burials are subject to collection by the designated archaeologist for purposes of data and information vital for their final report. The GTIOC monitor does not collect artifacts for any reason. Unauthorized removal of</p>						



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<p>artifacts will jeopardize sites orientation and successful data recovery. Only a qualified archeologist will remove artifacts for their reports. The land owner will work with the GTIOC monitor to ensure that a proper repository is established. A final report will be issued to the cultural consultant by the archeological company.</p> <p>G. It is the sole responsibility of the GTIOC monitor to provide the client with a written daily field report that includes photos of his/her accounting of the soil disturbances of the daily activities. This perspective of the daily activities by the GTIOC monitor will enhance the information gathered by the field archeologist. The daily report will include observations the GTIOC visually observed the project site at the beginning of each work day (i.e. weather conditions, overnight disturbances). Written daily monitoring reports will include daily observations on surface soil as well as disturbed soil. Photographic documentation is included in the daily reports. When project is completed, GTIOC will certify that work performed was done so within compliance of AB52 and SB18 within 5 days of completion of the Native American monitoring aspect of the project.</p>						
<p>Mitigation Measure TCR-5: Procedures for the treatment and disposition of human remains and associated grave goods at Gabrielino Tongva ancestral sites.</p> <p>2. Treatment plan for human remain discovery. The immediate cessation of work in the immediate vicinity will be implemented. The county coroner will be</p>	<p>Verification that work is halted and County Coroner and NAHC consultation has occurred (if human remains are discovered)</p>	<p>LBUD</p>	<p>Prior to construction</p>			

Table 1. Mitigation and Monitoring Reporting Program

Mitigation Measures	Action Required	Responsible Party	Timing for Mitigation Measure	Compliance Verification		
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<p>immediately contacted. California Health and Safety Code Sec. 7050.5 (a) Every person who knowingly mutilates or disinters, wantonly disturbs, or willfully removes any human remains in or from any location other than a dedicated cemetery without authority of law is guilty of a misdemeanor, except as provided in Section 5097.99 of the Public Resources Code.</p> <p>B. The county coroner and law enforcement, will evaluate and make a determination and a formal review of the find. The county coroner has the legal responsibility for determining whether or not the remains are native indigenous people.</p> <p>C. If it is established that the remains are of native indigenous people, the coroner has 24 hours to contact the Native American Heritage Commission (NAHC).</p> <p>2. A Most Likely Descendent (MLD) will be assigned by the NAHC to ensure the ancestor(s) will be treated with dignity and respect and shall complete their inspection and make recommendations or preferences for treatment within 48 hours (California Public Resources Code Sec. 5097.98).</p> <p>***The MLD may not be a Native American Monitor assigned to monitor the site where human remains were unearthed. GTIOC deems that to be a conflict of interest.***</p> <p>2. A certified osteologist will be retained to verify the human remains authenticity and</p>						



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<p>work to help remove the ancestor(s) from the site area with the discretion and advise from the MLD. The GTIOC monitor(s) assigned to the project will assist the osteologist and archeological monitors in the recovery process. The MLD will determine where the ancestors will be housed pending a final decision for the reinterment of the ancestor(s).</p> <p>F. Confidentiality. Any and all information provided about the location of an archeological or sacred site by our GTIOC cultural consultant will not be disclosed reproduced both digitally or on paper. Furthermore, the location must not be published for public viewing which includes any reports either preliminary or final and must be kept confidential to maintain the integrity and compliance of the archeological or sacred site.</p>						
<p>Mitigation Measure TCR-6: Recovery and Reburial Procedures.</p> <p>2. The Gabrielino Tongva Indians of California (GTIOC) has a goal to ensure your project falls under the compliancy guidelines that have been established by Assembly Bill 52. GTIOC is recognized by the Native American Heritage Commission and is fully qualified for the intricacies of Recovery and Reburial. In addition, we want to preserve our family's human remains and associated grave goods at ancestral sites while engaging in a meaningful and productive relationship with your team. We appreciate the opportunity to work with you in accomplishing the aforementioned.</p>	<p>Verification that recovery and reburial procedures are followed in consultation with GTIOC (if human remains are discovered)</p>	LBUD	Prior to construction			

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<p>B. Specific methods of recovery and reburial procedures have been developed and adopted by the Gabrielino Tongva Indians of California and are required to adhere to when recovering Gabrielino Tongva remains. Conditions may arise where altering some of these guidelines will be considered. Consultation with the Most Likely Descendant (MLD) and the GTIOC monitor(s) assigned to the site should then be scheduled to determine other procedures that may be acceptable to the Gabrielino Tongva Indians of California Nation.</p> <p>C. Excavation:</p> <ol style="list-style-type: none"> 1. Consultation between the MLD and the archeological firm must take place before the recovery of the remains and during the process of extraction. 2. A 50 foot perimeter for each uncovered burial will be required to safeguard further destruction until the area is examined for additional remains and associated grave goods. 3. In the event blade machines are operating in an adjacent area, a maximum of 2" cuts or less will be permitted in all cultural areas. 4. If more than one area is being excavated for extraction of remains simultaneously, an additional GTIOC must be required. Each excavated burial will be monitored exclusively. 5. Wooden tools are preferred for process of recovery; electric chisels and other power tools should be avoided. 6. If remains are pedestaled, they will be placed on plywood for removal. If remains 						



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<p>cannot be pedestaled due to soil conditions, remains just be carefully placed in cloth bags.</p> <p>7. Soils adjacent to burials will be saved for reburial in plastic containers.</p> <p>8. No photography (both film and digital) or video is allowed to be taken of the remains or the site. Drawings of remains are permitted to retain the orientation of the ancestors for reinterment purposes only. Coroner photographs of the remains may not be published for any purpose.</p> <p>D. Testing:</p> <p>1. DNA testing cannot be undertaken.</p> <p>2. No invasive testing which would compromise the integrity of the remains is permitted.</p> <p>3. Macroscopic analysis is permitted.</p> <p>4. Any associated grave goods (such as shell) may be used for dating purposes of each burial.</p> <p>5. When remains are unearthed, the 1'X 1' test pits will be allowed to establish the extent of the burial area when necessary.</p> <p>6. All windrows within a 50 foot area must be screened (either wet or dry).</p> <p>2. Storage:</p> <p>1. Natural cotton bags and sheeting or cotton drop cloths will be used to store remains until the time of reinterment. Deer or other native hides may be used to cover the bagged and wrapped remains until the reburial and may become the burial wrapping.</p>						

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<p>2. Bone fragments are also subject to be bagged in cotton.</p> <p>3. Until the scope of the project is completed, storage of ancestors should be done in close proximity to location of excavation or protected area must be provided by landowner or archeologist.</p> <p>2. Reburial:</p> <p>1. Efforts should be made to keep the remains within the same location or in close proximity to the removal site as possible. It is preferable to repatriate the remains within a ½ mile radius of the original grave site. If it is not possible to identify a proper location within the ½ mile radius, a secure location will be valued over distance.</p> <p>2. If the preponderance of remains is uncovered in or excavated from one area, the reinterment should be in that area.</p> <p>3. The reburial site should offer the best long-term protection against any additional disturbances.</p> <p>4. Each reburial requires approximately 4' X 5 1/2' when fully articulated and should be at a depth of 6-10 feet. The purpose of this depth is to ensure difficulty in disturbing the reburial and to allow adequate room for capping if necessary.</p> <p>5. Any isolated bone fragments uncovered on site may be buried together in an individual burial pit with indigenous animal skins, sea weed, or the cotton cloth used for all bagged fragments.</p> <p>6. All associated grave goods and artifacts along with soils will be buried together with the ancestors.</p>						



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<p>7. No drawings of any other images of ancestral remains may be used for publication without consultation and the approval of the GTIOC monitors and appointed MLD for the site.</p> <p>G. Costs:</p> <p>1. The landowner(s) will be responsible for all costs related to the proper storage and reburial of remains excavated on their property to include all burial materials as required in these procedure guidelines.</p> <p>2. Landowner(s) will be financially responsible for providing reburial plots that are acceptable by the MLD.</p>						
<p><i>Mitigation measure TCR-7 was agreed to by the Juaneño Band of Mission Indians Acjachemen Nation – Belardes and applies to the monitoring and treatment by this tribe.</i></p>						
<p>Mitigation Measure TCR-7: Native American Monitoring.</p> <p>A Native American monitor from the tribe or tribes identified as a consulting party for the project under AB 52 shall be present during all earth-moving construction activities. The Native American monitor shall be given the opportunity to participate in the cultural resources sensitivity training described in the CUL-1 mitigation measure. At least 30 days prior to issuance of grading permits by the City of Long Beach for each of the individual sites and any off-site improvements, a Native American Monitoring Agreement (Monitoring Agreement) shall be developed between the City and responsible agency, as applicable, and the consulting party. The Monitoring Agreement shall pertain to prehistoric archaeological resources and Tribal cultural resources, respectively, and shall identify any monitoring requirements and treatment of</p>	<p>Prepare Native Monitoring Agreement, verify implementation of Monitoring Agreement</p>	<p>LBUD</p>	<p>Prior to construction</p>			

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cultural resources to meet both the requirements of CEQA and those of the Tribal representative. The Monitoring Agreement shall also address communication protocols in the event of an unanticipated discovery of cultural materials, and the roles, responsibilities, and authorities of the Native American Monitor. The Monitoring Agreement shall also detail the protocols for treatment and final disposition of any Native American cultural resources, sacred sites, and human remains discovered on the site that the Native American Monitor shall implement in consultation and coordination with the Native American Most Likely Descendant, as identified by the NAHC. In accordance with the mitigation measure below, discovery and treatment of human remains shall comply with State Health and Safety Code Section 7050.5 and PRC Section 5097.98.						

Notes:

AQQA=American Water Works Association; CDFW=California Department of Fish and Wildlife; CEQA=California Environmental Quality Act; Gabrielino Tongva Indians of California (GTIOC); LBUD=Long Beach Utilities Department; MLD=Most Likely Descendant; NAHC=Native American Heritage Commission; NPDES=National Pollution Discharge Elimination System; PRS=pressure reducing station; QSD=Qualified Stormwater Developer; QSP=Qualified Stormwater Practitioner; RWQCB=Regional Water Quality Control Board; SWPPP=Stormwater Pollution Prevention Plan; TCP=Traffic Control Plan; USACE=United States Army Corps of Engineers