

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 Sewer Lift Station S-7 Reconstruction 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 Monitoring and Reporting Program

Mitigation Measures	Action Required	Responsible Party	Timing for Mitigation Measure	Compliance Verification		
				Initial	Date	Comments
Aesthetics						
MM AES-1: Screen Staging and Construction 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.	Verify screening and landscaping restoration	LBUD	During construction			
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 S-7 structure with its surroundings. These elements may include, but are not limited to, the following: • 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.	Verify S-7 is visually integrated with its surroundings	LBUD	During construction			
MM AES-3: Implement Lighting and Material to Reduce Light and Glare During Construction The construction contractor shall be required to reduce light and glare on surrounding land uses by	Verify light and glare reduction measures are implemented	LBUD	During construction			

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shielding permanent exterior lighting, orienting all exterior lighting downward, or installing lights activated only by sensors.						
MM AES-4: Implement Lighting and Material to Reduce Glare During Operation 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 addition, the use of highly reflective building materials and/or finishes in the design of its proposed above-ground structures shall be limited, consistent with the Urban Design and Local Coastal Program Elements of the General Plan.	Verify light and glare reduction measures are implemented	LBUD				
Biological Resources						
MM BIO-1: Avoid Rare Plant Species To protect the woolly seablite and other potential rare species, the Project should include standard construction BMPs, such as avoidance fencing along the perimeter of sensitive areas, implemented and overseen by a qualified biologist.	Verify appropriate BMPs	LBUD	Prior to construction			
MM BIO-2: Avoid Effects on Migratory and Nesting Birds <i>Trimming or Removal During Non-breeding/Non-nesting Season (October through December)</i> For trimming or removal during the non-breeding/non-nesting season (October through December), a qualified biologist or ornithologist is required to conduct a nesting bird survey and prepare a report for submission to the City. No tree alteration can occur in the Coastal Zone until the City issues a Notice to Proceed.	Preconstruction nesting bird surveys	LBUD	Prior to construction			

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<i>Trimming or Removal During Breeding/Nesting Season (January through September)</i> For trimming or removal during the breeding/nesting season (January through September), a qualified biologist or ornithologist is required to conduct a nesting bird survey, which will also include detection of bird activities and nesting behavior within 300 feet of the work area. A report will be submitted to the City following required content provided under Local Guidelines.						
MM BIO-3: Adhere to City of Long Beach Tree Ordinances Before the trimming and removal of any tree as part of the Project, a certified arborist will be consulted to determine the tree's condition and removal, per the City's Tree Maintenance Policy. Trees removed as a result of the Project will be replanted at a 2:1 ratio, following the guidelines stated in the LCDP #21-015 and Updated Tree Maintenance Program.	Consult arborist and replant trees	LBUD	Prior to construction			
Cultural Resources						
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 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	Verify qualified archaeologist has been retained and worker training has been conducted	LBUD	Prior to construction			

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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. LBUD (or the 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.						
MM CUL-2: Archaeological Resource and/or Tribal Cultural Resource Discovery and Treatment 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 §21083.2(b) and §21084.3. Preservation in place	Verify that work is halted, and consultation has occurred with qualified archaeologist and/or Native American monitor (if archaeological or other cultural resources are discovered)	LBUD	During construction			

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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 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.						
MM CUL-3: Treatment of Human Remains In accordance with California Health and Safety Code §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 County Coroner determines that the remains are, or are believed to be, Native American, the Coroner	Verify 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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shall notify the NAHC within 24 hours. In accordance with California Public Resources Code §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.						
Geology and Soils						
MM GEO-1: 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 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.	Verify specifications of isolation valves or similar devices	LBUD	Prior to construction			
MM GEO-2: 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	Verify work is halted and a qualified paleontologist is consulted (if a paleontological resource is exposed)	LBUD	During construction			

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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.						
Hazards and Hazardous Materials						
MM HAZ-1: Pre-Demolition Investigation Prior to the demolition of any structures, a survey shall be conducted for the presence of hazardous building materials, such as ACM, LBP, and PCBs. An asbestos survey signed by a Certified Asbestos Consultant shall be prepared prior to any demolition or renovation in accordance with Rule 1403 (d)(1)(A) of the SCAQMD. The results of this survey shall be submitted to LBUD, and applicable stakeholders as deemed appropriate by LBUD, and the survey report shall be submitted to the SCAQMD with an application for a Rule 1403 permit. If any hazardous building materials are discovered, prior to demolition of any structures, a plan for proper removal shall be prepared in accordance with applicable OSHA and the Los Angeles County Department of Public Health requirements. The contractor performing the work shall be required to implement the removal plan and shall be required to have a C-21 license in the State of California and possess an A or B classification. If asbestos-related work is required, the contractor or their subcontractor shall be required to possess a California Contractor License (Asbestos Certification). Prior to any demolition activities, the contractor shall be required to secure the site and ensure the disconnection of utilities.	Survey for hazardous materials and verify proper removal plan (if applicable)	LBUD	During construction			

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MM HAZ-2: 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)	Construction contractor and LBUD	During construction			
Hydrology and Water Quality						
MM HYD-1: Prepare Stormwater Pollution Prevention Plan A SWPPP will be prepared for 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.	Prepare SWPPP and verify storm water pollution prevention measures are implemented	Construction contractor and LBUD	Prior to construction and during construction			

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Noise						
MM NOI-1: Temporary Noise Barrier/Sound Blanket for Temporary Bypass Pump The operation of the temporary pump while the existing lift station is offline and the future lift station is being completed would result in noise impacts. Installation of a temporary noise barrier or sound blanket that would enclose the pump on all sides, except for the top, would reduce noise levels to similar levels as those experienced with the existing lift station in operation.	Verify noise measures are installed during bypass	LBUD	During construction			
MM NOI-2: Comply with Noise Abatement Ordinance All construction contractors shall comply with the City of Long Beach construction noise ordinance and noise levels allowable based on current land use designation. Construction shall not be allowed between 7 p.m. and 7 a.m., Monday through Friday. No construction would occur on Saturday or Sunday. Nighttime construction activities will be prohibited.	Verify construction is conducted in accordance with contract documents	LBUD	During construction			
MM NOI-3: Employ Noise-Reducing Construction Practices 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 standards include, but are not limited to: a. Locating equipment as far as practical from noise sensitive uses, b. Using mufflers on all standard equipment,	Verify noise-reducing construction practices	LBUD	Prior to construction and during construction			

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c. Selecting haul routes that affect the lowest number of people, d. Using noise-reducing enclosures around noise-generating equipment, e. Constructing barriers between noise sources and noise-sensitive land uses or taking advantage of existing barrier features (terrain, structures) to block sound transmission, and f. Enclosing equipment.						
MM NOI-4: Temporary Relocation of Residents During extremely noisy construction periods, the most effective mitigation strategy may be to provide temporary lodging for immediately adjacent, noise-impacted residents. By providing temporary lodging for the adjacent noise receptor(s), very loud activities will be completed in less time and when other noise-controlled procedures are infeasible. Under these circumstances, LBUD will provide hotel vouchers or other compensation for temporary lodging to the noise-impacted residents.	Provide notification and temporary relocation options for affected residents	LBUD	During construction			
MM NOI-5: 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: a. 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.	Verify vibration monitoring system is utilized	LBUD	During construction			

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b. Conduct sensitivity training to inform construction personnel about the existing sensitive receptors surrounding the Project alignment and about methods to reduce noise and vibration.						
Transportation						
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. 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 rerouted 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: Access to adjacent residences and public parks shall be maintained during business	Prepare and approve TCP	Construction contractor, LBUD, and City of Long Beach	Prior to construction			

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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. • The City of Long Beach shall be provided an opportunity to review and comment on the TCP for each phase of Project construction and notified in advance of street closures, detours, or temporary lane reductions. • Construction activities will occur outside of peak hours. • Proposed detour routes for pedestrian and bicycle traffic, if required. • Emergency access shall be accommodated throughout construction. • Material deliveries and exports shall avoid school drop-off/pick-up times.						
Tribal Cultural Resources						
Gabrielino Tongva Indians of California (GTIOC)						
GTIOCTC TCR-1 Tribal Cultural Resources Tribal cultural resources refer to objects, sites, and practices with historical, traditional, religious, or cultural significance to the first peoples of Long Beach, the Gabrielino Tongva people. These resources are essential for preserving the identity and heritage of tribal communities and are protected through various federal and state laws (CEQA, AB 52, and SB 18) and partnerships with agencies.	No action required	GTIOC, City of Long Beach	N/A			

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GTIOCTC TCR-2 Consultation and Retention of a Gabriellino Tribal Monitor for Ground Disturbances Prior to the start of construction, the project applicant or lead agency must retain a Tribal Monitor from a Gabriellino tribe that is listed on the Native American Heritage Commission contact list. The Tribal Monitor must be present during the following ground-disturbing activities. <i>“Ground-disturbing activities” include, but are not limited to, the following: removing asphalt, cement, or slurry; trenching, boring/potholing/auguring; excavation; grubbing; tree removal; grading; and drilling.</i>	Retain GTIOCTC monitor	GTIOCTC; City of Long Beach	Prior to construction			
GTIOCTC TCR-3 Worker Environmental Awareness Program A Worker Environmental Awareness Program (WEAP) will be conducted by the assigned archaeologist prior to the start of the project for the entire crew working on the site. If the archaeologist is unable to conduct the WEAP, the Tribal Monitor will provide the training to the crew.	Conduct WEAP	GTIOCTC; City of Long Beach	During construction			
GTIOCTC TCR-4 Tribal Cultural Reporting The on-site Tribal Monitor will complete a written daily report for the project applicant and will be available in the project Dropbox for the applicant. This report will include photos of any soil disturbances and a summary of daily activities. Daily reporting contains observations of the project site before the commencement of work, description of all ground disturbance activities, the location of the ground disturbances, soil types, weather conditions, cultural materials, and the methods used for those disturbances. The Tribal Monitor will identify and document TCRs, which will be	Native American Monitoring daily reports	GTIOCTC	During construction			

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maintained (refer to TCR-5). If any human remains are discovered, TCR-6 will be enacted. On-site tribal monitoring will conclude once the project applicant/lead agency provides written confirmation to the monitoring Tribe that there will be no further ground disturbance activities.						
GTIOCTC TCR-5 Discovery During Construction a) During construction, in the event that prehistoric cultural resources are discovered during ground-disturbing activities, all work within 50 feet of the resources shall be halted. b) The archaeologist and the Tribal Monitor shall assess the significance of the find. If any find is determined to be significant, appropriate avoidance measures recommended by the archaeologist and the Tribal Monitor will be implemented. c) If avoidance is infeasible, other appropriate measures (e.g., data recovery, excavation) shall be instituted. Work may proceed on different parts of the Project site while measures for the cultural resources are implemented. d) The archaeologist and the Tribal Monitor shall record object(s) with the preferred manner of treatment for prehistoric cultural resources being reburial on the project site with no further disruption or vulnerability. If applicable, the Tribal Monitor shall work collaboratively with other tribal monitors	Native American Monitoring daily reports	GTIOCTC; City of Long Beach	During construction			

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working on-site in the event of any discovery.						
GTIOCTC TCR-6 Human Remains – Discovery During Construction (<i>CEQA Guidelines section 15064.5(e)(1)) and California Health and Safety Code §7050.5</i>) a) During construction, if human skeletal remains are discovered at the project site, all work must stop immediately and create a 100-foot buffer zone. <i>Human remains are defined as: bone fragments, associated funerary objects, and the surrounding soil matrix where decomposition has occurred.</i> b) The project applicant is required to notify the County Coroner of such discovery without delay. Los Angeles County Coroner: 323-343-0714 c) If the County Coroner determines that the remains are Native American, the Coroner will contact the California Native American Heritage Commission (NAHC). d) 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	Native American Monitoring daily reports	GTIOCTC; City of Long Beach	During construction			

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consultation with the property owner, the disposition of human remains. e) If the relevant agencies conclude that avoidance of the site is not feasible, an alternative plan must be developed that outlines specific steps and a timeline for resuming construction activities. Monitoring, data recovery, determining the significance of the finds, and implementing avoidance measures (if necessary) must be carried out promptly, at the expense of the project applicant. f) Construction crew and all people on site must maintain confidentiality of find. No pictures may be taken.						
Juaneño Band of Mission Indians – Acjachemen Nation 84A (JBMIAN)						
JBMIAN TCR-1 Retention of Qualified Archaeologist and Worker Training. Prior to the issuance of a grading permit by the City of, evidence shall be provided to the City 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	Retain JBMIAN monitor	JBMIAN; City of Long Beach	Prior to construction			

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historical), and of the proper procedures to be enacted in the event of an inadvertent discovery of archaeological resources or human remains. The Applicant 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.						
JBMIAN TCR-2 Native American Monitoring. 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 resource sensitivity training described in the preceding condition of approval. At least 30 days prior to issuance of grading permits by the City of Long Beach for the project site and any off-site improvements, a Native American Monitoring Agreement (Monitoring Agreement) shall be developed between the Applicant 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 cultural resources to meet the requirements 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 Lead Agency shall implement in consultation and	Native American Monitoring daily reports	JBMIAN; City of Long Beach	During construction			

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coordination with the Native American Most Likely Descendant, as identified by the NAHC. In accordance with the condition of approval below, discovery and treatment of human remains shall comply with State Health and Safety Code Section 7050.5 and Public Resources Code (PRC) Section 5097.98.						
JBMIAN TCR-3 Archaeological Resource and/or Tribal Cultural Resource Discovery and Treatment. 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, 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, avoidance, and preservation in place shall be the preferred manner of mitigation, pursuant to PRC 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 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	Native American Monitoring daily reports	JBMIAN; City of Long Beach	During construction			

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scientifically consequential information contained in the archaeological resource or cultural information in the event of a tribal cultural resource. The City and Applicant 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.						
JBMIAN TCR-4 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 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.	Native American Monitoring daily reports	JBMIAN; City of Long Beach	During construction			

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JBMIAN TCR-5 The project applicant shall retain a Native American Monitor from or approved by the Juaneño Band of Mission Indians – Acjachemen Nation Tribal Council. a) 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. 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 any permit necessary to commence a ground-disturbing activity.	Retain JBMIAN monitor	JBMIAN; City of Long Beach	Prior to construction			
JBMIAN TCR-6 The Lead Agency shall conduct Government to Government consultation with the Juaneño Band of Mission Indians – Acjachemen Nation 84A throughout project implementation.	Continue consultation with JBMIAN	City of Long Beach	Throughout project implementation			
JBMIAN TCR-7	Conduct construction	JBMIAN; City of Long Beach	Prior to construction			

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Construction coordination meeting shall be conducted prior to start of ground-disturbing work (grading, trenching, or excavation) with Qualified Archaeologist, Construction Contractor, Juaneño Band of Mission Indians – Acjachemen Nation (JBMIAN) Tribal Representative.	coordination meeting					
JBMIAN TCR-8 Tribal Cultural Resource Monitoring shall be conducted during all initial ground-disturbing activities until both the Archaeologist and Tribal Monitor determine monitoring is no longer needed. During construction, if cultural materials or features are discovered, construction contractor, Archaeologist, JBMIAN Tribal Monitor, and Lead Agency shall submit a discovery report documenting find, treatment measures, and confirmation that work did not resume until treatment was completed in consultation with JBMIAN. If human remains are encountered during construction, all parties involved shall comply with the requirements of California Health and Safety Code §7050.5, PRC §5097.98, and the California Code of Regulations §15064.5(e) regarding the Los Angeles County Coroner, Native American Heritage Commission, and MLD notification process. 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.	Native American Monitoring daily reports	JBMIAN; City of Long Beach	During construction			
JBMIAN TCR-9 Qualified Archaeologist and/or JBMIAN Tribal Representative shall submit documentation of recovered materials, correspondence confirming tribal disposition decision (e.g., reburial, return, or	Native American Monitoring daily reports	JBMIAN; City of Long Beach	During construction			

Table 1. Mitigation Monitoring and Reporting Program

Mitigation Measures	Action Required	Responsible Party	Timing for Mitigation Measure	Compliance Verification		
				Initial	Date	Comments
other treatment) during and following construction, if artifacts are recovered.						
JBMIAN TCR-10 Qualified Archaeologist, JBMIAN Tribal Monitor, and/or Lead Agency shall submit a Final Monitoring and Mitigation Summary Report; written confirmation of JBMIAN review and acceptance; copies of confidentiality compliance upon completion of ground-disturbing activities.	Final monitoring report	JBMIAN; City of Long Beach	After construction			
JBMIAN TCR-11 Lead Agency, Construction Contractor, and/or JBMIAN Representative shall submit records of coordination and confirmation that tribal ceremonies or blessings were accommodated safely and respectfully prior to and/or during construction, as requested by the Tribe.	Submit records of coordination and confirmation	JBMIAN; City of Long Beach	During construction			
JBMIAN TCR-12 Responsibility for conditions: a) Lead Agency shall ensure that all measures are implemented, documented, and verified prior to and during construction activities; and b) Tribal participation by the Juaneño Band of Mission Indians – Acjachemen Nation (JBMIAN) be a consulting and monitoring partner throughout all ground-disturbing activities; and c) Compliance Verification shall include documentation of implementation, including monitoring logs, consultation records, and correspondence. Records	Native American Monitoring daily reports	JBMIAN; City of Long Beach	During construction			

Table 1. Mitigation Monitoring and Reporting Program

Mitigation Measures	Action Required	Responsible Party	Timing for Mitigation Measure	Compliance Verification		
				Initial	Date	Comments
shall be maintained in the project file by the Lead Agency and made.						
Gabrieleño Band of Mission Indians – Kizh Nation (Kizh)						
GBMIKN TCR-1 Retain a Native American Monitor Prior to Commencement of Ground-Disturbing Activities 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. 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 any permit necessary to commence a ground-disturbing activity. c) The monitor will complete daily monitoring logs that will provide descriptions of the relevant ground-disturbing activities, the	Retain Kizh monitor	Kizh; City of Long Beach	Prior to construction			

Table 1. Mitigation Monitoring and Reporting Program

Mitigation Measures	Action Required	Responsible Party	Timing for Mitigation Measure	Compliance Verification		
				Initial	Date	Comments
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. 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.						

Table 1. Mitigation Monitoring and Reporting Program

Mitigation Measures	Action Required	Responsible Party	Timing for Mitigation Measure	Compliance Verification		
				Initial	Date	Comments
GBMIKN TCR-2 Unanticipated Discovery of Tribal Cultural Resource Objects (Non-Funerary/Non-Ceremonial) a) 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, including for education, cultural, and/or historic purposes.	Native American Monitoring daily reports	Kizh; City of Long Beach	During construction			
GBMIKN TCR-3 Unanticipated Discovery of Human Remains and Associated Funerary or Ceremonial Objects 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. b) If Native American human remains and/or grave goods are discovered or recognized on the project site, then Public Resource Code Section 5097.9 as well as Health and Safety Code Section 7050.5 shall be followed.	Native American Monitoring daily reports	Kizh; City of Long Beach	During construction			

Table 1. Mitigation Monitoring and Reporting Program

Mitigation Measures	Action Required	Responsible Party	Timing for Mitigation Measure	Compliance Verification		
				Initial	Date	Comments
c) Human remains and grave/burial goods shall be treated alike per California Public Resources Code Section 5097.98(d)(1) and (2). d) Preservation in place (i.e., avoidance) is the preferred manner of treatment for discovered human remains and/or burial goods. e) Any discovery of human remains/burial goods shall be kept confidential to prevent further disturbance.						

Notes:

AQQA=American Water Works Association; ACB=asbestos-containing materials; CDFW=California Department of Fish and Wildlife; CEQA=California Environmental Quality Act; GTIOC=Gabrielino Tongva Indians of California; JBMIAN=Juaneño Band of Mission Indians – Acjachemen Nation; Kizh=Gabrieleno Band of Mission Indians – Kizh Nation; LBP=lead-based paint; LBUD=Long Beach Utilities Department; MLD=Most Likely Descendant; NAHC=Native American Heritage Commission; NPDES=National Pollution Discharge Elimination System; PCB=polychlorinated biphenyls; QSD=Qualified Stormwater Developer; QSP=Qualified Stormwater Practitioner; RWQCB=Regional Water Quality Control Board; SWPPP=Stormwater Pollution Prevention Plan; TCP=Traffic Control Plan; TCR=tribal cultural resource; USACE=United States Army Corps of Engineers