

MITIGATION MONITORING AND REPORTING PROGRAM

MITIGATION MONITORING REQUIREMENTS

Public Resources Code (PRC) Section 21081.6 (enacted by the passage of Assembly Bill 3180) mandates that where significant effects have been identified, 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 that 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 materials that constitute the record of proceedings upon which its decision is based.
- A public agency shall provide 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 that 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), a responsible agency, or a public agency having jurisdiction over natural resources affected by the project, shall either (1) submit to the lead agency complete and detailed performance objectives for mitigation measures that 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 (2) 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 that mitigate impacts to resources that are subject to the statutory authority of, and definitions applicable to, that agency. Compliance or noncompliance with that requirement by a responsible agency or agency having jurisdiction over natural resources affected by a project shall not limit the 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.

MITIGATION MONITORING PROCEDURES

The mitigation monitoring and reporting program has been prepared in compliance with PRC Section 21081.6. It describes the requirements and procedures to be followed by the City of Long

Beach (City) to ensure that all mitigation measures adopted as part of the proposed Fire Station No. 9 at 4101 Long Beach Boulevard Project (proposed project) will be carried out as described in the Final EIR.

Table 1.A lists each of the mitigation measures specified in the Draft EIR and identifies the party or parties responsible for implementation and monitoring of each measure. Table 1.A only includes resources which were evaluated in the Draft EIR, air quality, cultural, energy, greenhouse gases, cultural, land use and planning, noise, transportation, and tribal cultural resources,

COMPLIANCE MEASURES MONITORING PROCEDURES

Table 1.B lists all compliance measures associated with the proposed project as specified in the Initial Study (please refer to Appendix A of the Draft EIR) or the Draft EIR prepared for the proposed project. Table 1.B describes the requirements and procedures to be followed by the City to ensure that all compliance measures adopted as part of the proposed project will be carried out as described in the Final EIR.

Table 1.A: Mitigation and Monitoring Reporting Program

Draft EIR Mitigation Measures		Responsible Party/ Approving Agency	Timing for Mitigation Measure
4.1: Air Quality			
The proposed project would not result in any significant adverse impacts related to air quality. No mitigation is required.			
4.2 Cultural Resources			
MM CUL-1	Archaeological Site Monitoring. An archaeologist that meets the Secretary of the Interior’s Professional Qualifications Standards for archaeology shall oversee archaeological monitoring of construction-related ground disturbance. Monitoring shall continue until the archaeologist determines that there is a low potential for encountering subsurface archaeological, cultural, or tribal cultural resources. In the event that archaeological cultural resources are identified by the archaeological monitor during ground-disturbing project activities, the nature of the find shall be assessed, and the project archaeologist shall determine if additional cultural resources work is appropriate. Additional cultural resources work may include, but is not limited to, collection and documentation of artifacts, documentation of the cultural resources on State of California Department of Parks and Recreation (DPR) Series 523 forms, or subsurface testing. Upon completion of any cultural resources work for the project, the archaeologist shall prepare a report to document the methods and results of the work. This report shall be submitted to any descendant community involved in the investigation(s) and the South Central Coastal Information Center (SCCIC).	Project Applicant/ City of Long Beach Director of Development Department, or designee	During construction activities
4.3 Energy			
The proposed project would not result in any significant adverse impacts related to energy. No mitigation is required.			
4.4: Greenhouse Gas Emissions			
The proposed project would not result in any significant adverse impacts related to greenhouse gas emissions. No mitigation is required.			
4.5: Land Use and Planning			
The proposed project would not result in any significant adverse impacts related to land use and planning. No mitigation is required.			
4.6: Noise			
MM NOI-1	HVAC Equipment. Prior to issuance of construction permits, the City of Long Beach (City) Director of Development Services, or designee, shall verify that that the approved plans indicate that mechanical equipment (e.g., heating, ventilation, and air conditioning [HVAC]) shall have a combined sound rating of less than 76 A-weighted decibels (dBA) when measured at 5 feet (ft) to assure compliance with the City’s Noise Ordinance.	Director of the City of Long Beach Department of Development Services, or designee	Prior to issuance of construction permits

Table 1.A: Mitigation and Monitoring Reporting Program

Draft EIR Mitigation Measures	Responsible Party/ Approving Agency	Timing for Mitigation Measure
<p>MM NOI-2 Construction Vibration Damage. Due to the close proximity to surrounding structures, the construction contractor shall implement the following mitigation measures during project construction activities to ensure that damage does not occur at surrounding structures:</p> <ul style="list-style-type: none"> ● Identify structures that are located within 12 ft of heavy construction activities and that have the potential to be affected by ground-borne vibration. This task shall be conducted by a qualified structural engineer as approved by the City’s Director of Community Development or designee. ● Develop a vibration monitoring and construction contingency plan to identify structures where monitoring would be conducted; set up a vibration monitoring schedule; define structure-specific vibration limits; and address the need to conduct photo, elevation, and crack surveys to document before and after construction conditions. Construction contingencies would be identified for when vibration levels approached the limits. ● At a minimum, monitor vibration during initial demolition activities. Monitoring results may indicate the need for more or less intensive measurements. ● When vibration levels approach limits, suspend construction and implement contingencies to either lower vibration levels or secure the affected structures. ● Conduct post-survey on structures where either monitoring has indicated high levels or complaints of damage have been made. 	<p>Project Contractor/ Director of the City of Long Beach Department of Development Services, or designee</p>	<p>During construction activities</p>
<p>4.7: Transportation</p>		
<p>The proposed project would not result in any significant adverse impacts related to transportation. No mitigation is required.</p>		
<p>4.8: Tribal Cultural Resources</p>		
<p>MM TCR-1 Gabrieleño Band of Mission Indians—Kizh Nation (Kizh Nation) Tribal Consultation. Prior to issuance of a grading permit for the project, the City of Long Beach (City) shall retain a Gabrieleño Band of Mission Indians—Kizh Nation (Kizh Nation) tribal monitor to provide Native American tribal monitoring of ground-disturbing activities. Ground-disturbing work requiring Native American tribal monitoring shall adhere to the following requirements established by the consulting Tribe:</p> <ol style="list-style-type: none"> 1. Retain a Gabrieleño Band of Mission Indians—Kizh Nation Monitor Prior to Commencement of Ground-Disturbing Activities <ol style="list-style-type: none"> 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 	<p>Director of the City of Long Beach Department of Development Services, or designee</p>	<p>During ground-disturbing activities</p>

Table 1.A: Mitigation and Monitoring Reporting Program

Draft EIR Mitigation Measures	Responsible Party/ Approving Agency	Timing for Mitigation Measure
<p>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 whichever is earlier: the commencement of any ground-disturbing activity or the issuance of any permit necessary to commence a ground-disturbing activity.</p> <p>C. The monitor shall complete daily monitoring logs that 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 Kizh Nation. Monitoring logs shall 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 monitoring logs shall be provided to the project applicant/lead agency upon written request to the Kizh Nation.</p> <p>D. On-site tribal monitoring shall conclude upon the latter of the following (1) written confirmation to the Kizh Nation 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 Nation 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 Nation TCRs.</p> <p>E. 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 Nation monitor and/or the Kizh Nation archaeologist. The Kizh Nation shall recover and retain all discovered TCRs in the form and/or manner the Kizh Nation deems appropriate, in the Kizh Nation’s sole discretion, and for any purpose the Kizh Nation deems appropriate, including for</p>		

Table 1.A: Mitigation and Monitoring Reporting Program

Draft EIR Mitigation Measures	Responsible Party/ Approving Agency	Timing for Mitigation Measure
<p>educational, cultural, and/or historic purposes.</p> <p>2. Unanticipated Discovery of Human Remains and Associated Funerary 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 all construction activities shall immediately cease. Health and Safety Code Section 7050.5 dictates that any discoveries of human skeletal material shall be immediately reported to the County Coroner and all ground-disturbing activities shall immediately halt and shall remain halted until the Coroner has determined the nature of the remains. If the Coroner recognizes the human remains to be those of a Native American or has reason to believe they are Native American, he or she shall contact, by telephone within 24 hours, the Native American Heritage Commission, and Public Resources Code Section 5097.98 shall be followed.</p> <p>C. Human remains and grave/burial goods shall be treated alike per California Public Resources Code Sections 5097.98(d)(1) and (2).</p> <p>D. Construction activities may resume in other parts of the project site at a minimum of 200 feet away from discovered human remains and/or burial goods, if the Kizh Nation determines in its sole discretion that resuming construction activities at that distance is acceptable and provides the project manager express consent of that determination (along with any other mitigation measures the Kizh Nation monitors and/or archaeologist deems necessary) (<i>State CEQA Guidelines</i> Section 15064.5(f)).</p> <p>E. Preservation in place (i.e., avoidance) is the preferred manner of treatment for discovered human remains and/or burial goods. Any historic archaeological material that is not Native American in origin (non-TCR) shall be curated at a public, non-profit institution with a research interest in the materials, such as the Natural History Museum of Los Angeles County or the Fowler Museum, if such an institution agrees to accept the material. If no institution accepts the archaeological material, it shall be offered to a local school or historical society in the area for educational purposes.</p> <p>F. Any discovery of human remains/burial goods shall be kept confidential to prevent</p>		

Table 1.A: Mitigation and Monitoring Reporting Program

Draft EIR Mitigation Measures	Responsible Party/ Approving Agency	Timing for Mitigation Measure
<p>further disturbance.</p> <p>3. Procedures for Burials and Funerary Remains:</p> <p>A. As the Most Likely Descendant (“MLD”), the Koo-nas-gna Burial Policy shall be implemented. To the Kizh Nation, the term “human remains” encompasses more than human bones. In ancient as well as historic times, Tribal Traditions included, but were not limited to, the preparation of the soil for burial, the burial of funerary objects with the deceased, and the ceremonial burning of human remains.</p> <p>B. If the discovery of human remains includes four or more burials, the discovery location shall be treated as a cemetery and a separate treatment plan shall be created.</p> <p>C. The prepared soil and cremation soils shall be treated in the same manner as bone fragments that remain intact. Associated funerary objects are objects that, as part of the death rite or ceremony of a culture, are reasonably believed to have been placed with individual human remains either at the time of death or later; other items made exclusively for burial purposes or to contain human remains can also be considered as associated funerary objects. Cremations shall either be removed in bulk or by means as necessary to ensure complete recovery of all sacred materials.</p> <p>D. In the case where discovered human remains cannot be fully documented and recovered on the same day, the remains shall be covered with muslin cloth and a steel plate that can be moved by heavy equipment placed over the excavation opening to protect the remains. If this type of steel plate is not available, a 24-hour guard shall be posted outside of working hours. The Kizh Nation shall make every effort to recommend diverting the project and keeping the remains in situ and protected. If the project cannot be diverted, it may be determined that burials will be removed.</p> <p>E. In the event preservation in place is not possible despite good faith efforts by the project applicant/ developer and/or landowner, before ground-disturbing activities may resume on the project site, the landowner shall arrange a designated site location within the footprint of the project for the respectful reburial of the human remains and/or ceremonial objects.</p> <p>F. Each occurrence of human remains and associated funerary objects shall be stored using opaque cloth bags. All human remains, funerary objects, sacred objects and objects of cultural patrimony shall be removed to a secure container on site if possible. These</p>		

Table 1.A: Mitigation and Monitoring Reporting Program

Draft EIR Mitigation Measures	Responsible Party/ Approving Agency	Timing for Mitigation Measure
<p>items shall be retained and reburied within 6 months of recovery. The site of reburial/repatriation shall be on the project site but at a location agreed upon between the Kizh Nation and the landowner at a site to be protected in perpetuity. There shall be no publicity regarding any cultural materials recovered.</p> <p>G. The Kizh Nation shall work closely with the project’s qualified archaeologist to ensure that the excavation is treated carefully, ethically and respectfully. If data recovery is approved by the Kizh Nation, documentation shall be prepared and shall include (at a minimum) detailed descriptive notes and sketches. All data recovery-related forms of documentation shall be approved in advance by the Kizh Nation. If any data recovery is performed, once complete, a final report shall be submitted to the Kizh Nation and the NAHC. The Kizh Nation does not authorize any scientific study or the utilization of any invasive and/or destructive diagnostics on human remains.</p>		
<p>MM TCR-2 Gabrieliño Tongva Indians of California (GTIOC) Tribal Consultation. Prior to issuance of a grading permit for the project, the City shall retain a Gabrieliño Tongva Indians of California (GTIOC) tribal monitor to provide Native American tribal monitoring of ground-disturbing activities. Ground-disturbing work requiring Native American tribal monitoring shall adhere to the following requirements established by the consulting Tribes:</p> <ol style="list-style-type: none"> 1. Gabrieliño Tongva Indians of California (GTIOC) Native American Monitor <ol style="list-style-type: none"> A. A qualified and certified indigenous tribal member of the Gabrieliño Tongva Indians of California (GTIOC) shall provide professional Native American Monitoring required for 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 shall be monitored. The Tribal Monitor shall only be required on site when these ground-disturbing activities occur. B. The GTIOC monitor shall be responsible for observing all mechanical and hand labor excavations to include paddle scrapers, blade machines, front-end loaders, backhoe, 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 shall be monitored for their soil disturbances. C. Soils that are removed from the work site are considered culturally sensitive and are subject to inspection. These soils whether placed in a dump truck or spots piles are to be inspected. The monitor shall temporarily hold excavations until a determination is made on the sensitivity of the of the soil. If the soils are sensitive, an archaeological 	<p>Director of the City of Long Beach Department of Development Services, or designee</p>	<p>During ground-disturbing activities</p>

Table 1.A: Mitigation and Monitoring Reporting Program

Draft EIR Mitigation Measures	Responsible Party/ Approving Agency	Timing for Mitigation Measure
<p>monitor shall verify the find and notify the site supervisor.</p> <p>D. The GTIOC monitor may make recommendations during the course of the project when a cultural area has been impacted. The GTIOC monitor shall be authorized to halt or redirect excavation activities to another area as an assessment is made. Both archaeological and GTIOC shall work together to ensure 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>E. 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 artifacts will jeopardize sites orientation and successful data recovery. Only a qualified archaeologist shall remove artifacts for their reports. The landowner shall work with the GTIOC monitor to ensure that a proper repository is established. A final report shall be issued to the cultural consultant by the archaeological company.</p> <p>F. 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 shall enhance the information gathered by the field archaeologist. The daily report shall include observations the GTIOC visually observed on the project site at the beginning of each workday (i.e., weather conditions, overnight disturbances).</p> <p>2. Archaeological Survey</p> <p>A. If a culturally sensitive area is identified, an archaeological survey must be completed before any movement of soil (to include hand shoveling, grading or excavation) takes place. The survey must be conducted by a qualified archaeologist who is knowledgeable and experienced in working in the Gabrieliño Tongva geographical area. If an archaeologist has little or no experience in the Gabrieliño Tongva territory, a qualified, experienced Gabrieliño Tongva cultural consultant shall assist in the archaeological survey.</p> <p>3. Treatment Plan for Human Discovery</p> <p>A. If any archaeological or paleontological, or cultural deposits, are discovered, including</p>		

Table 1.A: Mitigation and Monitoring Reporting Program

Draft EIR Mitigation Measures	Responsible Party/ Approving Agency	Timing for Mitigation Measure
<p>but not limited to skeletal remains and 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 halted until the proper authorities are contacted. Authorities, to include the county coroner and law enforcement, shall 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>B. If it is established that the remains are of native indigenous people, the Native American Heritage Commission (NAHC) shall be contacted by the coroner under the California Health and Safety Code (Senate Bill 297, Chapter 1492, Statutes of 1982 and Section 7050.50). A Most Likely Descendant (MLD) shall be assigned by the NAHC to ensure the ancestor(s) is treated with dignity and respect (Public Resources Code Section 5097.98). A certified osteologist shall be retained to verify the human remains' authenticity and work to help remove the ancestor(s) from the site area with the discretion and advice of the MLD. The GTIOC monitor(s) assigned to the project shall assist the osteologist and archaeological monitors in the recovery process. The MLD shall determine where the ancestors shall be housed pending a final decision for the reinterment of the ancestor(s).</p> <p>4. Recovery and Reburial Procedures</p> <p>A. Specific methods of recovery and reburial procedures have been developed and adopted by the Gabrieliño Tongva Indians of California and are required to adhere to when recovering Gabrieliño Tongva remains. Conditions may arise where altering some of these guidelines shall be considered. Consultation with the MLD and the GTIOC monitor(s) assigned to the site should then be scheduled to determine other procedures that may be acceptable to the Gabrieliño Tongva Nation.</p> <p>Excavation:</p> <ol style="list-style-type: none"> 1. Consultation between the MLD and the archaeological 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 shall 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-inch cuts or less shall be permitted in all cultural areas. 		

Table 1.A: Mitigation and Monitoring Reporting Program

Draft EIR Mitigation Measures	Responsible Party/ Approving Agency	Timing for Mitigation Measure
<p>4. If more than one area is being excavated for extraction of remains simultaneously, an additional GTIOC must be required. Each excavated burial shall be monitored exclusively.</p> <p>5. Wooden tools are preferred for the process of recovery; electric chisels and other power tools should be avoided.</p> <p>6. If remains are pedestaled, they shall be placed on plywood for removal. If remains cannot be pedestaled due to soil conditions, remains shall be carefully placed in cloth bags.</p> <p>7. Soils adjacent to burials shall 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>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, 1-foot X 1-foot 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>Storage:</p> <p>1. Natural cotton bags and sheeting or cotton drop cloths shall 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> <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 shall be done in close proximity to the location of excavation or a protected area must be provided by the landowner or archaeologist.</p>		

Table 1.A: Mitigation and Monitoring Reporting Program

Draft EIR Mitigation Measures	Responsible Party/ Approving Agency	Timing for Mitigation Measure
<p>Reburial:</p> <ol style="list-style-type: none"> 1. Efforts shall 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 0.50-mile radius of the original grave site. If it is not possible to identify a proper location within the 0.50-mile radius, a secure location will be valued over distance. 2. If the preponderance of remains is uncovered in or excavated from one area, the reinterment should be in that area. 3. The reburial site should offer the best long-term protection against any additional disturbances. 4. Each reburial requires approximately 4 feet X 5.5 feet 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. 5. Any isolated bone fragments uncovered on site may be buried together in an individual burial pit with indigenous animal skins, seaweed, or the cotton cloth used for all bagged fragments. 6. All associated grave goods and artifacts along with soils shall be buried together with the ancestors. 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>Costs:</p> <ol style="list-style-type: none"> 1. The landowner(s) shall 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. 2. The landowner(s) shall be financially responsible for providing reburial plots that are acceptable by the MLD. 		

Table 1.B: Compliance Measures

Compliance Measures		Responsible Party/ Approving Agency	Timing for Compliance Measure
Aesthetics			
The proposed project would not require any compliance measures related to aesthetics.			
Agriculture and Forestry			
The proposed project would not require any compliance measures related to agriculture and forestry.			
Air Quality			
CM AQ-1	<p>SCAQMD Rule 403. During clearing, grading, earth moving, or excavation operations, excessive fugitive dust emissions shall be controlled by regular watering or other dust preventative measures by using the following procedures, in compliance with South Coast Air Quality Management District (SCAQMD) Rule 403 during construction. The applicable Rule 403 measures are as follows:</p> <ul style="list-style-type: none"> • Apply nontoxic chemical soil stabilizers according to manufacturers’ specifications to all inactive construction areas (previously graded areas inactive for 10 days or more). • Water active sites at least twice daily (locations where grading is to occur shall be thoroughly watered prior to earthmoving). • Cover all trucks hauling dirt, sand, soil, or other loose materials, or maintain at least 2 feet (0.6 meter) of freeboard (vertical space between the top of the load and the top of the trailer) in accordance with the requirements of California Vehicle Code Section 23114. • Pave construction access roads at least 100 feet (30 meters) onto the site from the main road. • Reduce traffic speeds on all unpaved roads to 15 miles per hour or less. 	Construction Contractor/Director of the City of Long Beach Department of Development Services, or designee	During construction activities
CM AQ-2	All trucks that are to haul excavated or graded material shall comply with State Vehicle Code Section 23114, with special attention to Sections 23114(b)(F), (e)(2), and (e)(4) as amended, regarding the prevention of such material spilling onto public streets and roads.	Construction Contractor/Director of the City of Long Beach Department of Development Services, or designee	During construction activities
CM AQ-3	<p>Prior to approval of the project plans and specifications, the City shall confirm that the construction bid packages specify:</p> <ul style="list-style-type: none"> • Contractors shall use high-volume low-pressure paint applicators with a minimum transfer efficiency of at least 50 percent; • Coatings and solvents that will be utilized have a volatile organic compound content lower 	Director of the City of Long Beach Department of Development Services, or designee	Prior to approval of the project plans and specifications.

Table 1.B: Compliance Measures

Compliance Measures	Responsible Party/ Approving Agency	Timing for Compliance Measure
<p>than required under SCAQMD Rule 1113; and</p> <ul style="list-style-type: none"> To the extent feasible, construction/building materials shall be composed of pre-painted materials. 		
<p>CM AQ-4 The project shall comply with SCAQMD Rule 402. Rule 402 prohibits the discharge of air contaminants or other material from any type of operations, which can cause nuisance or annoyance to any considerable number of people or to the public or which endangers the comfort or repose of any such persons, or the public.</p>	<p>Construction Contractor/Director of the City of Long Beach Department of Development Services, or designee</p>	<p>During construction activities and operations</p>
<p>Biological Resources</p>		
<p>CM BIO-1 Compliance with Migratory Bird Treaty Act (MBTA). Tree and vegetation removal shall be restricted to outside the active nesting season (January 1 through September 30). If construction is proposed between January 1 and September 30, a qualified biologist familiar with local avian species and the requirements of the MBTA and the California Fish and Game Code shall conduct a pre-construction survey for nesting birds no more than 3 days prior to construction. The survey shall include the entire area that will be disturbed. The results of the survey shall be recorded in a memorandum and submitted to the City of Long Beach (City) Director of Development Services, or designee, within 48 hours. If the survey is positive, and the nesting species are subject to the MBTA or the California Fish and Game Code, the memorandum shall be submitted to the California Department of Fish and Wildlife (CDFW) to determine appropriate action. If nesting birds are present, a qualified biologist shall be retained to monitor the site during initial vegetation clearing and grading, as well as during other activities that would have the potential to disrupt nesting behavior. The monitor shall be empowered by the City to halt construction work in the vicinity of the nesting birds if the monitor believes the nest is at risk of failure or the birds are excessively disturbed.</p>	<p>Qualified Biologist/Director of the City of Long Beach Department of Development Services, or designee</p>	<p>Prior to and during construction</p>
<p>Cultural Resources</p>		
<p>CM CUL-1 Human Remains. In the event that human remains are encountered on the project site, work within 50 feet of the discovery shall be redirected and the County Coroner notified immediately consistent with the requirements of California Code of Regulations (CCR) Section 15064.5(e). State Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code (PRC) Section 5097.98. If the remains are determined to be Native American, the County Coroner shall notify the Native American Heritage Commission (NAHC), which shall determine and notify a Most Likely Descendant (MLD). With the permission of the City of Long Beach (City), the MLD may inspect the site of the discovery. The MLD shall complete the</p>	<p>Construction Contractor and County Coroner/Director of the City of Long Beach Department of Development Services, or designee</p>	<p>During construction activities</p>

Table 1.B: Compliance Measures

Compliance Measures	Responsible Party/ Approving Agency	Timing for Compliance Measure
inspection within 48 hours of notification by the NAHC. The MLD may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American burials. Consistent with CCR Section 15064.5(d), if the remains are determined to be Native American and an MLD is notified, the City shall consult with the MLD as identified by the NAHC to develop an agreement for treatment and disposition of the remains. Prior to the issuance of grading permits, the Director of the City Development Services Department, or designee, shall verify that all grading plans specify the requirements of CCR Section 15064.5(e), State Health and Safety Code Section 7050.5, and PRC Section 5097.98, as stated above.		
Energy		
The proposed project would not require any compliance measures related to energy resources.		
Geology and Soils		
CM GEO-1 Compliance with the Recommendations in the Project Geotechnical Investigation Report. The City's Construction Contractor shall implement the recommendations of the <i>Geotechnical Investigation Report</i> prepared for this project (Twining 2021) and applicable sections of the most current California Building Code (CBC). Prior to the issuance of building permits for planned structures, the Project Soils Engineer shall review building plans to verify that the structural design conforms to the requirements of the <i>Geotechnical Investigation Report</i> and the City of Long Beach Municipal Code. In accordance with the <i>Geotechnical Investigation Report</i> , overexcavation beneath the proposed building foundations would be required and, if necessary, the placement of engineered fill.	Construction Contractor/Director of the City of Long Beach Department of Development Services, or designee	Prior to issuance of building permits/ During construction activities
CM GEO-2 Discovery of Paleontological Resources. In the event that Paleontological Resources are encountered during construction, in accordance with Society of Vertebrate Paleontology (SVP) 2010 guidelines, no further disturbance shall occur until a qualified professional paleontologist is notified and retained to evaluate the discovery. The retained paleontologist shall determine the significance of the discovery and determine if additional mitigation or treatment is warranted. Development in the area of discovery shall resume when the discovered resource is properly documented, and authorization is given to resume construction work. Any significant paleontological resources found during construction monitoring shall be prepared, identified, analyzed and permanently curated in an approved regional museum repository.	Construction Contractor and Qualified Paleontologist/Director of the City of Long Beach Department of Development Services, or designee	During construction activities
Greenhouse Gas Emissions		
The proposed project would not require any compliance measures related to greenhouse gas emissions.		

Table 1.B: Compliance Measures

Compliance Measures		Responsible Party/ Approving Agency	Timing for Compliance Measure
Hazards and Hazardous Materials			
CM HAZ-1	Federal Aviation Regulation Title 14 Part 77. The City of Long Beach (City) shall notify the Federal Aviation Administration (FAA) 45 days prior to construction activities of any proposed structure(s) that would be located within 10,000 feet of the nearest runway at the Long Beach Airport and which exceeds a 50:1 imaginary surface slope. Prior to issuance of a building permit, the City Director of Development Services, or designee, shall confirm that a copy of all written findings from the FAA regarding compliance with the Part 77, height limit regulations, has been received by the City.	Director of the City of Long Beach Department of Development Services, or designee	Prior to construction
Hydrology and Water Quality			
CM HYD-1	Prior to issuance of a grading permit, the City of Long Beach’s (City) Director of Development Services, or designee, shall confirm that Best Management Practices (BMPs) associated with construction activities have been developed to ensure that the potential for soil erosion and sedimentation is minimized and to reduce pollutant discharges to the City MS4 as a result of construction activities in compliance with Long Beach Municipal Code (LBMC) Section 8.96.120. These BMPs shall be included in the project plan specifications and implemented by the project contractor.	Construction Contractor/Director of the City of Long Beach Department of Development Services, or designee	Prior to issuance of grading permit
CM HYD-2	Prior to issuance of a grading permit, the City’s Director of Development Services, or designee, shall confirm that structural and nonstructural BMPs have been developed to be implemented on a post-construction basis along with an associated maintenance agreement in compliance with the requirements of LBMC Section 8.96.130. In addition, the City’s Director of Development Services, or designee, shall confirm that a Low Impact Development (LID) Plan has been prepared. The LID Plan shall specify the BMPs to be incorporated into the project design to target pollutants of concern in stormwater runoff from the project site in compliance with LBMC Section 18.74.	Director of the City of Long Beach Department of Development Services, or designee	Prior to issuance of grading permit
Land Use and Planning			
The proposed project would not require any compliance measures related to land use and planning.			
Mineral Resources			
The proposed project would not require any compliance measures related to mineral resources.			
Noise			
CM NOI-1	Construction Noise and Vibration. Prior to issuance of building permits, the City of Long Beach (City) Director of Community Development Department, or designee, shall verify that grading and construction plans include the following requirements: <ul style="list-style-type: none"> • Ensure that the greatest distance between noise sources and sensitive receptors during construction activities has been achieved. 	Construction Contractor/Director of the City of Long Beach Department of Development Services, or designee	Prior to issuance of building permits

Table 1.B: Compliance Measures

Compliance Measures	Responsible Party/ Approving Agency	Timing for Compliance Measure
<ul style="list-style-type: none"> ● Construction equipment, fixed or mobile, shall be equipped with properly operating and maintained noise mufflers consistent with manufacturers’ standards. ● Construction staging areas shall be located away from off-site sensitive uses during the later phases of project development. ● The construction contractor shall place all stationary construction equipment so that emitted noise is directed away from sensitive receptors nearest the project site whenever feasible. ● The construction contractor shall use on-site electrical sources to power equipment rather than diesel generators where feasible. 		
Population and Housing		
The proposed project would not require any compliance measures related to population and housing.		
Public Services		
<p>CM PS-1 Construction Staging and Traffic Management Plan. A Construction Staging and Traffic Management Plan (CSTMP) shall be prepared for approval by the City of Long Beach Traffic Engineer, or designee, and implemented during proposed project construction. The CSTMP shall also include the name and phone number of a contact person who can be reached 24 hours per day regarding construction traffic complaints or emergency situations. In addition, the CSTMP shall take into account and coordinate with other construction staging and traffic management plans that are in effect or have been proposed for other projects in the City of Long Beach. The CSTMP may include, but not be limited to, the following:</p> <ul style="list-style-type: none"> ● Construction activities shall be scheduled to reduce the effect on traffic flow on arterial streets. ● Construction trucks shall be rerouted to reduce travel on congested streets. ● The Construction Contractor shall keep haul routes clean and free of debris including but not limited to gravel and dirt as a result of its operations. The Construction Contractor shall clean adjacent streets, as directed by the City Traffic Engineer, or designee, of any material which may have been spilled, tracked, or blown onto adjacent streets or areas. ● Construction vehicles, including construction personnel vehicles, shall not park on public streets. ● Construction vehicles shall not stage or queue where they interfere with pedestrian and 	Construction Contractor/City of Long Beach Traffic Engineer, or designee	Prior to construction activities

Table 1.B: Compliance Measures

Compliance Measures	Responsible Party/ Approving Agency	Timing for Compliance Measure
vehicular traffic or block access to nearby businesses. <ul style="list-style-type: none"> ● If feasible, any traffic lane closures will be limited to off-peak traffic periods, as approved by the City of Long Beach Public Works Department. ● The general public shall be notified in advance of any traffic lane closures so that motorists can plan accordingly. ● The Long Beach Police Department and the Long Beach Fire Department shall be notified a minimum of 24 hours in advance of any lane closures or other roadway work. ● The Long Beach Unified School District shall be notified in advance of any lane closures on Long Beach Boulevard. 		
Recreation		
The proposed project would not require any compliance measures related to recreation.		
Transportation		
The proposed project would not require any compliance measures related to transportation.		
Tribal Cultural Resources		
The proposed project would not require any compliance measures related to tribal cultural resources.		
Utilities and Service Systems		
The proposed project would not require any compliance measures related to utilities and service systems.		
Wildfire		
The proposed project would not require any compliance measures related to wildfire.		