

## **MITIGATION MONITORING AND REPORTING PROGRAM**

This Mitigation Monitoring and Reporting Program (MMRP) was formulated based on the findings of the Initial Study/Mitigated Negative Declaration (IS/MND) for the Juvenile Hall Multipurpose Rehabilitation Center. This MMRP includes mitigation measures (MMs) and applicable standard conditions (SC) cited in the IS/MND. This MMRP is also in compliance with Section 15097 of the California Environmental Quality Act (CEQA) Guidelines, which requires that the Lead Agency “adopt a program for monitoring or reporting on the revisions which it has required in the project and the measures it has imposed to mitigate or avoid significant environmental effects.”

Measure No.	Mitigation Measure/Condition of Approval	Monitoring and Reporting Process	Monitoring Milestone	Party Responsible for Monitoring
AQ-1 (SC)	<p>The following measures from the South Coast Air Quality Management District (SCAQMD) Rule 403 are required for fugitive dust suppression:</p> <ul style="list-style-type: none"> <li>• Water active sites at least twice daily (locations where grading is to occur will be thoroughly watered prior to earthmoving).</li> <li>• All trucks hauling dirt, sand, soil, or other loose materials are to be covered or should maintain at least 2 ft of freeboard in accordance with the requirements of California Vehicle Code (CVC) Section 23114 (freeboard means vertical space between the top of the load and top of the trailer).</li> <li>• Traffic speeds on all unpaved roads shall be reduced to 15 mph or less.</li> </ul>	Contractor during all site disturbance activity	Final Project Specification	OC Project Manager
AQ-2 (SC)	<p>The following measures from the SCAQMD Handbook are required for fugitive dust suppression:</p> <ul style="list-style-type: none"> <li>• Revegetate disturbed areas as quickly as possible.</li> <li>• All streets shall be swept once per day if visible soil materials are carried to adjacent streets (recommend water sweepers with reclaimed water).</li> <li>• Install wheel washers where vehicles enter and exit unpaved roads onto paved roads, or wash trucks and any equipment leaving the site each trip.</li> <li>• All on-site roads shall be paved as soon as feasible, watered periodically, or chemically stabilized.</li> <li>• The area disturbed by clearing, grading, earthmoving, or excavation operations shall be minimized at all times.</li> <li>• The construction contractor shall select the construction equipment used on site based on low-emission factors and high-energy efficiency. The construction contractor shall ensure that construction-grading plans include a statement that all construction equipment will be tuned and maintained in accordance with the manufacturers' specifications.</li> </ul>	Contractor during all site disturbance activity	Final Project Specification	OC Project Manager

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	<ul style="list-style-type: none"> <li>• The construction contractor shall utilize electric or diesel-powered equipment in lieu of gasoline-powered engines where feasible.</li> <li>• The construction contractor shall ensure that construction plans include a statement that work crews will shut off equipment when not in use. During smog season (May through October), the overall length of the construction period will be extended, thereby decreasing the size of the area prepared each day, to minimize vehicles and equipment operating at the same time.</li> <li>• The construction contractor shall time the construction activities so as to not interfere with peak-hour traffic and minimize obstruction of through traffic lanes adjacent to the site; if necessary, a flagperson shall be retained to maintain safety adjacent to existing roadways.</li> <li>• The construction contractor shall support and encourage ridesharing and transit incentives for the construction crew.</li> </ul>			
BR-1 (SC)	<p>In order to avoid impacts to nesting birds that are protected under the Migratory Bird Treaty Act (MBTA) and the California Fish and Game Code, it is recommended that, to the maximum extent feasible, vegetation clearing or construction activities that impact or encroach upon existing vegetation be conducted outside the primary nesting season for birds. The typical nesting season extends from early February through August. It is recommended that if construction occurs during the nesting season, a preconstruction nesting bird survey be conducted by a qualified biologist within 3 days prior to vegetation removal or at the beginning of construction activities. If a nest with eggs or young of any species covered under the MBTA or the California Fish and Game Code is found, work shall not be permitted within a buffer distance to be determined by the qualified biologist involved. Commencing project construction activities, including vegetation clearing, outside of the primary nesting season for birds reduces the need for preconstruction nesting bird surveys.</p>	Contractor during all site disturbance activity	Construction during nesting season (February – August)	OC Public Works – Qualified Biologist

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CR-1	<p>If the construction plans require excavation below a depth of 10 feet (ft) below the existing ground surface, a paleontologist shall be hired to develop a Paleontological Resource Impact Mitigation Program (PRIMP) for this project. The PRIMP shall include the methods that will be used to protect paleontological resources that may exist within the project area, as well as procedures and activities for monitoring, fossil preparation and identification, curation into a repository, and preparation of a report at the conclusion of grading as follows:</p> <ol style="list-style-type: none"> <li>1. Excavation and grading activities in deposits with high paleontological sensitivity (Young Alluvial Fan Deposits beginning at a depth of 10 ft below the existing ground surface) shall be monitored by a paleontological monitor. No monitoring is required for excavations in rocks with no or low paleontological sensitivity (Artificial Fill or the Young Alluvial Fan Deposits from the surface to a depth of 10 ft).</li> <li>2. If paleontological resources are encountered during the excavation and grading activities, the paleontological monitor shall have the authority to temporarily redirect construction away from the area of the find in order to assess its significance.</li> <li>3. In the event that paleontological resources are encountered when a paleontological monitor is not present, work in the immediate area of the find shall be redirected and a paleontologist should be contacted to assess the find for significance. If determined to be significant, the fossil shall be collected from the field.</li> <li>4. Collected resources shall be prepared to the point of identification, identified to the lowest taxonomic level possible, cataloged, and curated into the permanent collections of a scientific institution.</li> <li>5. At the conclusion of the monitoring program, a report of findings shall be prepared to document the results of the monitoring program.</li> </ol>	Contractor during excavation 10 feet or more below ground surface	Prior to Issuance of Demolition or Construction Permits	OC Public Works - Paleontologist

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CR-2 (SC)	<p>If human remains are unearthed, 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 Section 5097.98. The County Coroner must be notified of the find immediately. If the remains are determined to be Native American, the County Coroner will notify the Native American Heritage Commission (NAHC), which will determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery. The MLD shall complete the inspection within 48 hours of notification by the NAHC. The MLD will have the opportunity to offer recommendations for the disposition of the remains.</p>	Grading/Excavation	Grading/Excavation	OC Public Works – Senior Project Manager
WQ-1 (SC)	<p><b>Construction General Permit.</b> Prior to issuance of a grading permit, the Applicant shall obtain coverage under the State Water Resources Control Board National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-0009-DWQ, as amended by Orders No. 2010-0014-DWQ and 2012-0006-DWQ) (Construction General Permit). This shall include submission of Permit Registration Documents (PRDs), including a Notice of Intent (NOI) for coverage under the permit to the State Water Resources Control Board (SWRCB). The Applicant shall provide the Waste Discharge Identification Number (WDID) to the City of Orange (City) to demonstrate proof of coverage under the Construction General Permit. A Storm Water Pollution Prevention Plan (SWPPP) shall be prepared and implemented for the project in compliance with the requirements of the Construction General Permit. The SWPPP shall identify construction Best Management Practices (BMPs) to be implemented to ensure that the potential for soil erosion and sedimentation is minimized and to control the discharge of pollutants in storm water runoff as a result of construction activities.</p>	Construction Scheduling	Prior to Issuance of Grading Permit	OC Public Works – Senior Project Manager

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WQ-2	<b>Final Water Quality Management Plan.</b> Prior to the issuance of any grading or building permits, the Applicant shall prepare a Final Water Quality Management Plan (WQMP). The Final WQMP shall be prepared consistent with the Orange County Municipal Separate Storm Sewer System (MS4) Permit, Drainage Area Management Plan, Model WQMP, and Technical Guidance Document. The Final WQMP shall specify BMPs to be incorporated into the design of the project. The Applicant shall provide the Final WQMP to the City for review and approval.	Construction Scheduling	Prior to Issuance of Grading or Building Permits	OC Public Works – Senior Project Manager
WQ-3	<b>Final Hydrology Report.</b> Prior to issuance of a grading permit, the Applicant shall prepare a Drainage Study to demonstrate that the post-construction runoff from the project site does not exceed existing conditions. The project applicant shall provide the Final Hydrology Report to the City for review and approval.	Construction Scheduling	Prior to Issuance of Grading Permits	OC Public Works – Senior Project Manager
NZ-1	The final design of the proposed project will include mechanical ventilation (e.g., an air-conditioning system) for all noise-sensitive rooms in the Juvenile Hall Multipurpose Rehabilitation Center building such that a closed-window condition is acceptable.	Final Design	Prior to Issuance of Grading Permits	OC Public Works – Senior Project Manager
NZ-2	The final design of the proposed project will include windows with a Sound Transmission Class 28 (STC-28) or higher rating for all noise-sensitive rooms that will face Interstate 5.	Final Design	Prior to Issuance of Grading Permits	OC Public Works – Senior Project Manager
NZ-3	Prior to the issuance of the final occupancy permit, a memorandum, prepared by a qualified acoustical consultant, will be required to demonstrate that noise from on-site heating, ventilation, and air conditioning (HVAC) equipment shall not exceed the City of Orange’s nighttime noise level standard (45 A-weighted decibel [dBA] equivalent continuous sound level [CNEL]) or the quietest existing nighttime noise level, whichever is greater, at the existing noise-sensitive use located southwest of the proposed project. If necessary, the County of Orange shall ensure that HVAC equipment is located far enough from the project site property line, enclose HVAC equipment, and/or require the construction of a parapet wall around the HVAC equipment to reduce noise levels, to meet the required City of Orange nighttime noise standard.	Prior to Final Occupancy Permit	Prior to Issuance of Final Occupancy Permit	OC Public Works – Senior Project Manager and the Qualified Acoustical Consultant

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NZ-4 (SC)	<p>Construction activities occurring as part of the project shall be subject to the limitations and requirements of the City of Orange Municipal Code, which states that construction activities shall occur only between the hours of 7:00 a.m. and 8:00 p.m. on any day except for Sunday or a federal holiday, or between the hours of 9:00 a.m. and 8:00 p.m. on Sunday or a federal holiday. Construction noise occurring outside the hours stated in the Municipal Code are subject to the noise standards listed in Table N-3 in the City of Orange General Plan Noise Element (provided in the IS/MND in Table 2.12.B).</p>	<p>Contractor during all site disturbance and construction activities</p>	<p>Grading activities</p>	<p>OC Public Works</p>
NZ-5	<p>During final design, the Project Engineer will ensure the following requirements are incorporated in the project specifications:</p> <ul style="list-style-type: none"> <li>• Assurance that the greatest distance between noise sources and sensitive receptors during construction activities has been achieved.</li> <li>• The Project Contractor shall ensure that all construction equipment, fixed or mobile, be equipped with properly operating and maintained noise mufflers consistent with manufacturers' standards.</li> <li>• The Project Contractor shall locate all construction staging areas away from off-site sensitive uses during the later phases of project development.</li> <li>• The Project Contractor shall locate all stationary construction equipment so that emitted noise is directed away from sensitive receptors nearest the project site whenever feasible.</li> </ul>	<p>Contractor during all site disturbance and construction activities</p>	<p>All construction</p>	<p>OC Public Works – Senior Project Manager</p>