



## Lindero Pump Station Rehabilitation (Project No. 592)

### **Mitigation Monitoring and Reporting Program**

Final Initial Study – Mitigated Negative Declaration

*prepared by*

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# **Mitigation Monitoring and Reporting Program**

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The California Environmental Quality Act (CEQA) requires a reporting or monitoring program be adopted for the conditions of project approval necessary to mitigate or avoid significant effects on the environment (Public Resources Code 21081.6). This Mitigation Monitoring and Reporting Program (MMRP) is provided to satisfy that requirement, and to facilitate compliance with adopted mitigation measures during project implementation. For each mitigation measure recommended in the CEQA document for the project, specifications are made herein that identify the actions required, the monitoring that must occur, and the agency or department responsible for oversight.

Mitigation Measure	Action Required	Monitoring Timing	Monitoring Frequency	Party Responsible for Monitoring	Method of Compliance Verification	Verified Date & Initials
<b>Biological Resources</b>						
<b>BIO-1 Biological and Environmental Awareness Training (BEAT) Program</b>						
<p>Prior to initiation of construction activities (including staging and mobilization), all personnel associated with project construction shall attend a BEAT Program sensitivity training conducted by a qualified biologist, to assist workers in recognizing special-status biological resources which may occur in the study area. The specifics of the BEAT Program shall include information about nesting birds and identification of special-status species and habitats at the project site, a description of the regulatory status and general ecological characteristics of special-status resources, and review of the limits of construction and measures required to avoid and minimize impacts to biological resources within the work area. The BEAT Program shall provide specific training on construction BMPs required under Mitigation Measure BIO-2, <i>Construction BMPs for Biological Resources</i>, presented below. A fact sheet conveying this information shall also be prepared for distribution to all contractors, their employees, and other personnel involved with construction of the project.</p> <p>All employees shall sign a form provided by the trainer documenting they have attended the BEAT Program sensitivity training and understand the information presented to them. If new construction personnel are added to the project, the contractor shall confirm the new personnel receive the BEAT Program sensitivity training before starting work. The subsequent training of personnel can include a video recording of the initial training and/or the use of written materials rather than in-person training by a biologist.</p> <p>The BEAT Program sensitivity training may be provided jointly with the Cultural and Archeological Resources Education (CARE) Program required under Mitigation Measure CUL-1. If provided as a joint BEAT/CARE sensitivity training session, all requirements of both programs, as defined under Mitigation Measures BIO-1 and CUL-2, will be explicitly addressed.</p>	<p>Calleguas Municipal Water District (CMWD) will conduct the following actions:</p> <ol style="list-style-type: none"> <li>1. Retain qualified biologist to conduct the BEAT Program sensitivity training and prepare the fact sheet</li> <li>2. Verify implementation of the BEAT Program</li> </ol> <p>CMWD's construction contractor will be required to conduct the following actions:</p> <ol style="list-style-type: none"> <li>3. Verify personnel attendance at the BEAT Program sensitivity training</li> </ol>	<ol style="list-style-type: none"> <li>1. Prior to the BEAT Program sensitivity training</li> <li>2. Prior to the start of construction and during construction</li> <li>3. During the BEAT Program sensitivity training</li> </ol>	<ol style="list-style-type: none"> <li>1. Once</li> <li>2. Ongoing</li> <li>3. Once</li> </ol>	CMWD	CMWD will ensure a qualified biologist is retained, require that the contractor have all construction personnel attend the BEAT Program sensitivity training, and confirm that the BEAT Program is implemented for project construction.	

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<b>BIO-2 Construction BMPs for Biological Resources</b>						
<p>To avoid and/or minimize potential direct and indirect impacts to special-status species, sensitive vegetation, and potentially jurisdictional waters and water quality outside of the project site, the following BMPs shall be implemented:</p> <ol style="list-style-type: none"> <li>Prior to project mobilization, all limits of construction work shall be clearly delineated with orange construction fencing or similar highly visible material and maintained throughout the duration of construction.</li> <li>No native vegetation with a diameter at breast height (DBH) of more than four (4) inches shall be removed or damaged without approval by Calleguas.</li> <li>Staging and parking areas shall be limited to sites which are unvegetated and/or previously disturbed areas comprising ruderal vegetation or non-native annual grasslands, ornamental landscaping, and paved/graded areas, to the extent practicable.</li> <li>Materials and equipment (when not in use) shall be stored on impervious surfaces or plastic ground covers to prevent spills or leakage.</li> <li>Adequate spill prevention and response equipment shall be maintained on site and readily available to implement to minimize impacts to the aquatic environment.</li> <li>Construction materials and spoils shall be protected from stormwater runoff using temporary perimeter sediment barriers such as berms, silt fences, fiber rolls, covers, sand/gravel bags, and straw bale barriers, as appropriate.</li> <li>Off-site tracking of loose construction materials and soil shall be prevented by implementing street sweeping, vacuuming, and rumble plates, as appropriate.</li> <li>All vehicles and equipment shall be in good working condition and free of leaks. When vehicles or equipment are stationary, mats or drip pans shall be placed below vehicles to contain fluid leaks. The contractor shall prevent oil, petroleum products, or any other pollutants from contaminating the soil or entering a watercourse</li> </ol>	<p>CMWD will conduct the following actions:</p> <ol style="list-style-type: none"> <li>Incorporate the listed BMPs into the Contract Documents so the contractor is contractually required to implement them</li> <li>Field-verify implementation of listed BMPs</li> </ol> <p>CMWD's construction contractor will be required to conduct the following actions:</p> <ol style="list-style-type: none"> <li>Communicate the BMPs to appropriate personnel who will be working on site</li> </ol>	<ol style="list-style-type: none"> <li>Prior to project activities</li> <li>During project activities</li> <li>Prior to and during project activities</li> </ol>	<ol style="list-style-type: none"> <li>Once</li> <li>Daily during mobilization to verify that BMPs are properly implemented, then as needed to verify BMPs continue to be properly implemented, at a frequency to be determined at CMWD's discretion</li> <li>As needed to ensure that appropriate personnel working on site have received communication regarding the BMPs</li> </ol>	CMWD	CMWD will field-verify implementation of all BMPs	

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<p>(dry or otherwise).</p> <p>i. Fugitive dust from ground disturbance activities shall be minimized using water trucks and covering of soil stockpiles.</p> <p>j. A speed limit of 15 mph for construction vehicles shall be implemented on unpaved roads.</p> <p>k. All food related trash shall be disposed of in closed containers and removed from the project site each day during the construction period. Construction personnel shall not feed or otherwise attract wildlife to the construction area. At project completion, all project-generated debris, vehicles, building materials, and rubbish shall be removed from the project site.</p>						
<b>BIO-3 Pre-Construction Nesting Bird Surveys</b>						
<p>To avoid disturbance of nesting and special-status birds protected by the MBTA and CFGC, including raptors, project construction activities such as vegetation removal, ground disturbance, and construction and demolition shall occur outside of the bird breeding season (February 1 through August 31) to the extent feasible. If project construction activities commence during the breeding season for migratory birds (February 1 through August 31), a pre-construction nesting bird survey shall be conducted no more than seven days prior to initiation of construction activities, including demolition, vegetation removal, and other ground disturbance. The nesting bird pre-construction survey shall be conducted along the boundary of the project footprint plus a 100-foot buffer (300 feet for raptors). The survey shall be conducted by a biologist familiar with the identification of avian species known to occur in southern California coastal communities. If nests are found, an avoidance buffer (dependent upon the species, the proposed work activity, and existing disturbances associated with land uses outside of the site) shall be determined and demarcated by the biologist with flagging, construction lathe, or other means to mark the boundary. All construction personnel shall be notified as to the existence of the buffer zone and directed to avoid entering the buffer zone while the nest remains active. No ground-disturbing activities shall occur inside this buffer until the avian biologist has confirmed breeding/nesting is completed and the young have fledged the nest. Encroachment into the buffer shall occur only at the discretion of the</p>	<p>CMWD will conduct the following actions:</p> <ol style="list-style-type: none"> <li>1. Retain a qualified biologist to conduct survey no more than 7 days prior to activities between February 1 and August 31 if project construction activities commence during that time</li> </ol> <p>CMWD's construction contractor will be required to conduct the following actions:</p> <ol style="list-style-type: none"> <li>2. Implement requirements of survey results,</li> </ol>	<ol style="list-style-type: none"> <li>1. Prior to the commencement of project activities</li> <li>2. During construction activities</li> </ol>	<ol style="list-style-type: none"> <li>1. Once</li> <li>2. Periodically</li> </ol>	CMWD	CMWD will review pre-construction nesting bird survey results and field-verify compliance with requirements such as avoidance, as necessary.	

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<p>qualified biologist, and any encroachment into the buffer zone will be monitored by the biologist for the duration of the activities within the buffer.</p> <p>If active nests of federally or state-listed species (e.g., least Bell’s vireo, coastal California gnatcatcher) are detected during the survey, a 500-foot avoidance buffer from the nest shall be established and demarcated by the biologist with flagging, construction lathe, or other means to mark the boundary. If the 500-foot avoidance buffer is infeasible, then Calleguas’ contractor(s) shall implement noise reduction measures, such as mufflers and temporary sound walls, that reduce construction noise levels to at or below 60 dBA Leq at the nest site. All construction personnel shall be notified as to the existence of the buffer zone and to avoid entering the buffer zone during the nesting season. No ground-disturbing activities shall occur inside this buffer until the avian biologist has confirmed breeding/nesting is completed and the young have fledged the nest, or noise levels remain at or below 60 dBA Leq at the nest site. Encroachment into the buffer shall occur only at the discretion of the qualified biologist, and any encroachment into the buffer zone shall be monitored by the biologist for the duration of the activities within the buffer.</p>	<p>such as buffers for avoidance, as needed</p>					
<b>BIO-4 Pre-Construction Presence/Absence Survey for Special Status Species</b>						
<p>Within seven days prior to the commencement of ground disturbing activities, a qualified biologist shall be retained to perform a survey for California legless lizard, southern California legless lizard, coastal whiptail, western pond turtle, and two-striped gartersnake in natural habitat areas within the project footprint and a 50-foot buffer to determine the presence/absence of these species. Raking shall be conducted in areas of sandy, loose, and moist soils under sparse vegetation/leaf litter to determine the presence/absence of special-status reptiles. The qualified biologist shall relocate any identified special-status species to suitable habitat outside of the construction area. Construction shall not proceed until the work area is determined to be free of special-status species. Survey results shall be documented in a technical memorandum submitted to Calleguas.</p>	<p>CMWD will conduct the following actions:</p> <ol style="list-style-type: none"> <li>1. Retain a qualified biologist to conduct special status species survey</li> <li>2. CMWD’s qualified biologist will conduct relocation of special-status species as required</li> </ol>	<ol style="list-style-type: none"> <li>1. Prior to the commencement of construction, no more than seven days before</li> <li>2. During surveys, if needed</li> </ol>	<ol style="list-style-type: none"> <li>1. Once</li> <li>2. As needed</li> </ol>	<p>CMWD</p>	<p>CMWD will ensure a qualified biologist is retained and conducts the survey, and relocates any special-status species as needed.</p>	

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<b>BIO-5 Certified Arborist Guidance for Oak Tree Trimming</b>						
<p>Any trimming of coast live oak trees necessary to provide sufficient clearance for site access during construction of the project shall be conducted under the guidance and direction of a certified arborist. The certified arborist shall be present during all oak tree trimming activities conducted for the project and shall provide direction as to how tree trimming shall be conducted in a manner which avoids damage to the tree(s).</p>	<p>CMWD will conduct the following actions:</p> <ol style="list-style-type: none"> <li>1. Retain a certified arborist to conduct or supervise oak tree trimming</li> </ol> <p>CMWD's construction contractor will be required to conduct the following actions:</p> <ol style="list-style-type: none"> <li>2. Conduct oak tree trimming under the direction of CMWD's certified arborist, as needed to provide clearance for site access</li> </ol>	<p>1 &amp; 2 Prior to project-related need for clearance to access site</p>	<p>1 &amp; 2 Once</p>	<p>CMWD</p>	<p>CMWD will ensure that any oak tree trimming required for site access is conducted under the direction of a certified arborist.</p>	

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<b>Cultural Resources</b>						
<b>CR-1 Cultural and Archaeological Resources Education (CARE) Program</b>						
<p>Prior to any ground-disturbing activity, an archaeologist meeting the Secretary of the Interior’s Professional Qualifications Standards for archaeology (National Park Service 1983) shall provide an initial sensitivity training session to the assigned Calleguas inspectors, contractors, subcontractors, and other workers prior to their involvement in any ground-disturbing activities, with subsequent training sessions to accommodate new personnel becoming involved in the project. The CARE Program shall address the cultural sensitivity of the affected site and how to identify these types of resources; specific procedures to be followed in the event of an inadvertent discovery; safety procedures when working with monitors; and consequences in the event of non-compliance.</p> <p>The CARE Program sensitivity training may be provided jointly with the BEAT Program sensitivity training required under Mitigation Measure BIO-1, <i>Biological and Environmental Awareness Training (BEAT) Program</i>. If provided as a joint CARE/BEAT sensitivity training session, all requirements of both programs, as defined under Mitigation Measures BIO-1 and CR-1, will be explicitly addressed.</p>	<p>CMWD will conduct the following actions:</p> <ol style="list-style-type: none"> <li>1. Retain qualified archaeologist to conduct the CARE Program sensitivity training</li> <li>2. Verify implementation of the CARE Program</li> </ol> <p>CMWD’s construction contractor will be required to conduct the following actions:</p> <ol style="list-style-type: none"> <li>3. Verify personnel attendance at the CARE Program sensitivity training</li> </ol>	<ol style="list-style-type: none"> <li>1. Prior to the CARE Program sensitivity training</li> <li>2. Prior to the start of construction and during construction</li> <li>3. During the CARE Program sensitivity training</li> </ol>	<ol style="list-style-type: none"> <li>1. Once</li> <li>2 &amp; 3 Ongoing</li> </ol>	CMWD	CMWD will ensure a qualified archaeologist is retained, require that the contractor have all construction personnel attend the CARE Program sensitivity training, and confirm that the CARE Program is implemented for project construction.	



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<b>CR-2 Monitor for and Treat Any Unanticipated Finds of Archaeological Resources</b>						
<p>An archaeologist meeting the Secretary of the Interior’s Professional Qualifications Standards for archaeology (National Park Service 1983) shall conduct periodic spot checks during excavation. In the event that unanticipated cultural resources are encountered during ground-disturbing activities associated with the project, work in the immediate area must halt and appropriate evaluation and treatment procedures implemented. In addition, upon inadvertent discovery of a potential resource, the qualified archaeologist must be contacted immediately to evaluate the find. If the discovery proves to be eligible for listing in the NRHP or the CRHR, additional work may be warranted, such as data recovery excavation and coordination with interested Tribes on the identification, treatment, and disposition of the resource(s).</p>	<p>CMWD will conduct the following actions:</p> <ol style="list-style-type: none"> <li>1. Retain a qualified archaeologist CMWD’s qualified archaeologist will:</li> <li>2. Conduct spot-checks during excavation</li> <li>3. Remain on call for the duration of construction to evaluate any unanticipated finds</li> </ol> <p>CMWD’s construction contractor will be required to conduct the following actions:</p> <ol style="list-style-type: none"> <li>4. Stop work in the immediate area of a find and contact CMWD (if archaeologist is not on site) or CMWD’s archaeologist (if on site) for evaluation</li> </ol>	<ol style="list-style-type: none"> <li>1. Prior to excavation activities</li> <li>2. During excavation activities</li> <li>3 &amp; 4 During construction</li> </ol>	<ol style="list-style-type: none"> <li>1. Once</li> <li>2. Periodically</li> <li>3 &amp; 4 As needed</li> </ol>	CMWD	CMWD will ensure a qualified archaeologist is retained and conducts spot-checks, and will coordinate with the archaeologist regarding any finds requiring halt of construction activities.	