

**APPENDIX D
MITIGATION MONITORING AND REPORTING PROGRAM**

PROJECT NAME: Camino Sierra Road Pressure Zone Conversion

DATE: ~~July 29, 2015~~ July 14, 2015

PROJECT MANAGER: Corey Wallace, P.E.

PROJECT DESCRIPTION: The Project addressed in this IS/MND consists of all actions related to the design and construction of approximately 8,200 LF of 12-inch and 8-inch diameter water distribution pipeline to convert an area of low service pressures (2070 PZ) to the adjacent 2350 PZ. The Project will improve water pressure along Camino Sierra Road and De Portola Road, within the unincorporated area of southwest Riverside County by means of unearthing the existing pipeline and attaching water distribution pipelines to it in order to improve substandard pressure zone service.

PROJECT LOCATION: The proposed Project is located in an unincorporated area of southwest Riverside County, east of the City of Temecula. The Project is located in the street right-of-way for Camino Sierra Road, and De Portola Road, as well as an area along Geisbauer Road through an irrevocable offer of dedication.

SOURCE	MITIGATION MEASURE	PARTY RESPONSIBLE FOR IMPLEMENTATION/TIMING	PARTY RESPONSIBLE FOR VERIFICATION/FREQUENCY	DATE COMPLETED	SIGNATURE
Section 3.3, Impact 3.3 (B)	<p>Air Quality Mitigation Measure (AQ-1)</p> <p>The construction documents shall stipulate that all grading and construction activities shall comply with SCAQMD Rule 403, excessive fugitive dust emissions shall be controlled by regular watering or other dust prevention measures, as specified in the SCAQMD's Rules and Regulations. In addition, SCAQMD Rule 402 requires implementation of dust suppression techniques to prevent fugitive dust from creating a nuisance off-site. Implementation of the following measures would reduce short-term fugitive dust impacts on nearby sensitive receptors:</p> <ul style="list-style-type: none"> • All active portions of the construction site shall be watered every three hours during daily construction activities and when dust is observed migrating from the Project site to prevent excessive amounts of dust. • Apply water every three hours during daily construction activities or apply non-toxic soil stabilizers on all unpaved access roads, parking areas, and staging areas. More frequent watering shall occur if dust is observed migrating from the site during site disturbance. • Any on-site stockpiles of debris, dirt, or other dusty material shall be enclosed, covered, or watered twice daily, or non-toxic soil binders shall be applied. • All grading and excavation operations shall be suspended when wind speeds exceed 25 miles per hour. • Gravel bed trackout aprons (3 inches deep, 25 feet long, 12 feet wide per lane and edged by rock berm or row of stakes) shall be installed to reduce mud/dirt trackout from unpaved truck exit routes; 	Contractor/During Construction	District Project Manager/Periodic		

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	<ul style="list-style-type: none"> On-site vehicle speed shall be limited to 15 miles per hour; Visible dust beyond the property line which emanates from the Project shall be prevented to the maximum extent feasible; All material transported off-site shall be either sufficiently watered or securely covered to prevent excessive amounts of dust prior to departing the job site; 				
Section 3.4, Impact 3.4 (A)	<p>Biological Resources Mitigation Measure (BIO-1)</p> <p>Pursuant to the MBTA and CDFG Code, removal of any trees, shrubs, or any other potential nesting habitat should be conducted outside the avian nesting season. The nesting season generally extends from early February through August, but can vary slightly from year to year based upon seasonal weather conditions.</p>	Contractor/ During Construction	District Project Manager/Periodic		
Section 3.4, Impact 3.4 (A)	<p>Biological Resources Mitigation Measure (BIO-2)</p> <p>A pre-construction nesting bird clearance survey shall be conducted by a qualified biologist 3 days prior to the commencement of any ground disturbing activities. Should any active nests be located on or within 300 feet of the project site (this buffer extends to 500 feet for raptor species), construction must comply with Migratory Bird Treaty Act and California Department of Fish and Game Code requirements, including an adequate construction buffer around active nests (if any), or avoiding construction during the species nesting season if an adequate buffer is infeasible.</p>	District Project Manager/ Pre-Construction	District Project Manager/ Verify surveys Pre-Construction, Verify necessary buffers weekly		
Section 3.4, Impact 3.4 (A)	<p>Biological Resources Mitigation Measure (BIO-3)</p> <p>If nesting birds are present, a 300-500 foot buffer (raptors and birds of prey require a 500 foot buffer; other birds require a 300 foot buffer) shall be set up around the active nest. The buffer is a no-work zone and construction activities may not resume until the nest is no longer active (i.e. avian species are no longer showing nesting behavior, young have fledged). To determine when nesting behaviors are finished, a qualified biologist shall monitor the nest weekly until the young have fledged the area and the nest is no longer active.</p>	District Project Manager/ During Construction	District Project Manager/ Verify surveys Pre-Construction, Verify necessary buffers weekly		
Section 3.5, Impact 3.5 (B)	<p>Cultural Resources Mitigation Measure (CUL-1)</p> <p><u>Prior to the commencement of construction, the District shall retain a qualified archeological monitor to monitor all ground-disturbing activities in an effort to identify any unknown archeological resources. Tribal and archeological monitors shall be allowed to monitor all grading, excavation and groundbreaking activities and shall have the authority to temporarily stop and redirect grading activities. Any newly discovered cultural resource deposits shall be subject to a cultural resources evaluation. The Project archeologist shall have the ability to temporarily halt and redirect grading, in consultation with the Pechanga Monitor,</u></p>	Construction Contractor District Project Manager/ Prior to Construction and During Construction	District Project Manager/ Prior to Construction and Periodic during Construction		

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	<p><u>in order to evaluate the significance of any archeological resources discovered on the property.</u></p> <p>If inadvertent discoveries of cultural resources are encountered at any time during construction, mitigation shall be conducted consistent with Public Resources Code Section 21083.2 and State CEQA Guidelines 15126.4, subdivision (b). Construction personnel shall avoid altering these materials and their context until a qualified archaeologist and a tribal representative(s) (to be determined by the lead agency) has/have evaluated the find(s). Project personnel shall not collect or retain cultural resources until the nature of the find(s) have been determined. The Project archaeologist shall be allowed to record and analyze all artifacts recovered with the exception of human remains, grave goods, or items of sacred or ceremonial nature, and in consultation with the appropriate tribe(s). The Rancho California Water District agrees to relinquish ownership of all cultural resources, including sacred items, burial goods and all archaeological artifacts that are found on the project area to the appropriate tribe for proper treatment and disposition. Prehistoric resources include, but are not limited to: chert or obsidian flakes; projectile points; mortars and pestles; dark, friable soil containing shell and bone; dietary debris; heat-affected rock; or human burials. Historic resources include stone or adobe foundations or walls; structures and remains with square nails; and refuse deposits (glass, metal, wood, ceramics), often found in old wells and privies.</p>				
<p><u>Section 3.5, Impact 3.5 (B)</u></p>	<p><u>Cultural Resources Mitigation Measure (CUL-2)</u></p> <p><u>At least 30 days prior to the start of construction, the Pechanga Tribe shall be notified of the grading, excavation and monitoring program, and to develop a Cultural Resources Treatment and Monitoring Agreement with Rancho California Water District. The Agreement shall address the treatment of known cultural resources, the designation, responsibilities, and participation of professional Native American Tribal monitors during grading, excavation, and ground disturbing activities; project grading and development scheduling; terms of compensation for the monitors; and treatment and final disposition of any cultural resources, sacred sites, and any human remains discovered on the site. Tribal and archeological monitors shall be allowed to monitor all grading, excavation, and groundbreaking activities; and shall have the authority to temporarily stop and redirect grading activities. Any newly discovered cultural resource deposits shall be subject to a cultural resources evaluation. The Pechanga Tribe shall have the ability to temporarily halt and redirect grading, in consultation with the Project archeologist, in order to evaluate the significance of any archeological resources discovered on the property.</u></p>	<p><u>District Project Manager/Prior to Construction</u></p>	<p><u>District Project Manager/Prior to Construction</u></p>		
<p><u>Section 3.5, Impact 3.5 (B)</u></p>	<p><u>Cultural Resources Mitigation Measure (CUL-3)</u></p> <p><u>All cultural materials that are collected during the grading monitoring program, with the exception of sacred items, burial goods, and human remains which will be addressed in the Treatment Agreement required in CUL-2 shall be curated according to current professional repository standards. The collections and associated records shall transferred, including title, to the Pechanga Tribe's</u></p>	<p><u>Construction Contractor and Archeological Monitor/During Construction</u></p>	<p><u>District Project Manager/Periodic</u></p>		

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	<p><u>curation facility which meets the standards set forth in 36 CRF Part 79 for federal repositories. All sacred sites, should they be encountered within the project area, shall be avoided and preserved as the preferred mitigation, if feasible. Project personnel shall not collect or retain cultural resources. The Project archeologist shall be allowed to record and conduct non-invasive analysis on all artifacts recovered with the exception of human remains, grave goods, or items of sacred or ceremonial nature, and in consultation with the Pechanga Tribe.</u></p>				
<p><u>Section 3.5, Impact 3.5 (C)</u></p>	<p><u>Cultural Resources Mitigation Measure (CUL-4)</u></p> <p><u>In the event that paleontological resources are unearthed during excavation and grading activities, the contractor shall cease all earth-disturbing activities within a 100-meter radius of the area of discovery and shall retain a qualified archaeologist to evaluate the significance of the finding and appropriate course of action. Salvage operation requirements pursuant to Section 15064.5 of the CEQA Guidelines shall be followed. After the find has been appropriately mitigated, work in the area may resume.</u></p>	<p><u>Construction Contractor and Archeological Monitor/During Construction</u></p>	<p><u>District Project Manager/Periodic</u></p>		
<p><u>Section 3.5, Impact 3.5 (D)</u></p>	<p><u>Cultural Resources Mitigation Measure (CUL-2-5)</u></p> <p><u>Consistent with State CEQA Guidelines, Section 15064.5, Subdivision (e), in the event of an accidental discovery or recognition of any human remains, the County Coroner shall be notified and construction activities at the affected work site shall be halted. If the remains are found to be Native American, the Native American Heritage Commission (NAHC) shall be notified within 24 hours <u>by the County Coroner</u>. The NAHC must immediately notify the Most Likely Descendent(s) under Public Resources Code §5097.98 and the descendants must make recommendations or preference for treatment within 48 hours of being granted access to the site. Guidelines of the NAHC shall be adhered to in the treatment and disposition of the remains in accordance with the provisions of Health and Safety Code §7050.5 and Public Resources Code §5097.98 <u>and the treatment agreement required in CUL-2.</u></u></p>	<p><u>Construction Contractor and Archeological Monitor/During Construction</u></p>	<p><u>District Project Manager/Periodic</u></p>		
<p><u>Section 3.5, Impact 3.5 (D)</u></p>	<p><u>Cultural Resources Mitigation Measure (CUL-6)</u></p> <p><u>If inadvertent discoveries of subsurface archeological/cultural resources are discovered during grading, the Rancho California Water District, the Project archeologist, and the tribe shall assess the significance of such resources and shall meet and confer regarding the mitigation for such resources. Pursuant to California Public Resources Code §21083.2(b) avoidance is the preferred method of preservation for archeological resources. If the Rancho California Water District, the Project archeologist and the Tribe cannot agree on the significance of mitigation or such resources, these issues will be presented to the District Board or other appropriate personnel for decision. The District Board or appropriate personnel shall make the determination based on the provisions of the California Environmental Quality Act with respect to archeological resources and shall take into account the religious beliefs, customs, and practices of the Tribe.</u></p>	<p><u>Construction Contractor and Archeological Monitors/ During Construction</u></p>	<p><u>District Project Manager/Periodic</u></p>		

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Section 3.12, Impact 3.12 (A)	<p>Noise Mitigation Measure (NOI-1)</p> <p>Prior to construction, the District shall ensure that the project complies with the following:</p> <ul style="list-style-type: none"> • Construction contracts shall specify that all construction equipment, fixed or mobile, shall be equipped with properly operating and maintained mufflers and other state required noise attenuation devices. • The District's inspector shall be responsible for responding to any local complaints about construction noise. When a complaint is received, the District's Inspector shall notify the District within 24-hours of the complaint and determine the cause of the noise complaint (e.g., starting too early, bad muffler, etc.) and shall implement reasonable measures to resolve the complaint, as deemed acceptable by the District. The contact name and the telephone number for the District's Inspector shall be clearly posted on-site. • Construction noise reduction methods shall be used where feasible. These reduction methods include shutting off idling equipment, installing temporary acoustic barriers around stationary construction noise sources, maximizing the distance between construction equipment staging areas and occupied residential areas, and electric air compressors and similar power tools. • During construction, stationary construction equipment shall be placed such that emitted noise is directed away from sensitive noise receivers. • Construction activities shall not take place outside of the allowable hours specified by the County Municipal Code Section 9.52.020 (6:00 a.m. and 6:00 p.m. during the months of June through September, and 7:00 a.m. and 6:00 p.m. during the months of October through May). 	District Project Manager/ Pre-Construction	District Project Manager/Periodic		
Section 3.16, Impact 3.16 (A)	<p>Transportation and Circulation Mitigation Measure (TRF-1)</p> <p>Short-term mitigation for temporary impacts to local roadways shall be mitigated by a Traffic Management Plan (TMP) to be approved by the County of Riverside prior to any trenching in public streets for pipelines. The TMP shall consist of prior notices, adequate sign posting, detours (if needed), phased construction and temporary driveways where necessary. The TMP shall specify implementation timing of each plan element (prior notices, sign posting, detours, etc.). Adequate access to and from residential areas shall be provided at all times. Proper detours and warning signs shall be established to ensure public safety. The TMP shall be devised so that construction shall not interfere with any</p>	District Project Manager/ Pre-Construction	District Project Manager/Periodic		

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	emergency response or evacuation plans. Construction activities shall proceed in a timely manner in an effort to reduce impacts.				