

## **MITIGATION MONITORING REPORTING PROGRAM**

**PROJECT NAME:** Recycled Water Easterly Agriculture Distribution System  
**NEG. NEC. NO.** ENV16-0007  
**APPROVAL BODY:** Escondido Zoning Administrator

**PROJECT DESCRIPTION:** The proposed project includes the installation of approximately 2.20 linear miles of 8-inch to 20-inch diameter recycled water pipeline to distribute recycled water to the growers surrounding the City of Escondido's Hogback Reservoir. The Hogback Reservoir is an above-ground tank with a capacity of 1.2 million gallons (mg) that is being converted from potable water to recycled water that will be produced at the City's planned Membrane Filtration/Reverse Osmosis (MF/RO) Facility. The piping would be installed below ground, except for seven bridges across various drainages. The proposed distribution system will generally provide new recycled water connections and meters to serve non-potable irrigation demands. Existing potable water connections and meters would be disconnected from the irrigation system but would remain in-place for future uses.

**PROJECT LOCATION:** The proposed project is located within unincorporated County land, generally east of the City of Escondido, south of Mountain View Road, northwest of the State Route (SR) 78 and Cloverdale Road intersection, west of Cloverdale Road. The various Assessor Parcel Numbers (APNs) for the project area are: 241-081-01; 241-041-09; 241-041-10; 241-121-05; 241-121-06; 241-120-29; 241-120-26; 241-120-20; 241-120-21; 241-120-22; 241-140-02; 241-080-18; 241-081-10, 241-010-07; and 241-021-02 (County of San Diego, 2016). The APNs for Hogback Reservoir are 241-010-28 and 241-041-04.

**PROJECT MANAGER:** Jay Paul, Senior Planner (Community Development) and Nelson Nuezca, Senior Engineer, Wastewater (Utilities)  
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# Mitigation Monitoring and Reporting Program for the Recycled Water Easterly Agriculture Distribution System Project

## Initial Study/Mitigated Negative Declaration

### Project No. ENV 16-0007

The City of Escondido adopts this Mitigation Monitoring and Reporting Program (MMRP) in accordance with Public Resources Code (PRC) Section 21081.6 and Section 15097 of the California Environmental Quality Act (CEQA) Guidelines. The purpose of the MMRP is to ensure that the Recycled Water Easterly Agriculture Distribution System Project (proposed project), which is the subject of the Initial Study/Mitigated Negative Declaration (IS/MND), complies with all applicable environmental mitigation requirements. The mitigation described in the IS/MND and summarized below provides a broad purpose and overview of actions that will occur in order to reduce identified environmental impacts.

For each project that is subject to CEQA, PRC Section 21081.6 requires the Lead Agency to monitor performance of the mitigation measures included in any environmental document to ensure that the specified mitigation is implemented. The City of Escondido is the designated Lead Agency for the proposed project. The City is responsible for review of all monitoring reports, enforcement actions, and document disposition related to implementation of the MMRP.

After review and approval by the Lead Agency, minor changes to the MMRP are permitted but can only be made by the City of Escondido. No deviations from this MMRP shall be permitted unless it continues to satisfy the requirements of PRC Section 21081.6, as determined by the City of Escondido.

The organization of the MMRP follows the subsection formatting style presented within the IS/MND. Only those subsections of the environmental issues presented in the IS/MND that have mitigation measures are provided below in the MMRP table. All other subsections in the IS/MND do not contain mitigation measures. For each specified mitigation measure, the MMRP table identifies the following: 1) Mitigation Measures, 2) Implementation Action, 3) Responsible Agency/Party, 4) Monitoring Schedule, and 5) Verification Date.

## MITIGATION MONITORING AND REPORTING PROGRAM

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
			Before Construction	During Construction	After Construction	
<b>Biological Resources</b>						
<p><b>BIO-1:</b> Coastal California gnatcatcher occupied habitat on the project site will be flagged and avoided where possible. Construction activities within and adjacent to occupied habitat should be conducted outside of the gnatcatcher breeding season (February 15 through August 30) to avoid potential impacts to this species. Additionally, per the stipulations in the MSCP, no clearing of occupied habitat shall occur between March 1 through August 15.</p> <p>If construction is planned to take place during the breeding season, a pre-construction survey to confirm the presence of breeding coastal California gnatcatcher within the project site and adjacent 500-foot buffer will be conducted at least 72 hours prior to construction activities. If coastal California gnatcatcher is not detected, construction may be initiated. If a break in construction longer than three days occurs, another pre-construction survey to confirm if gnatcatchers have moved into the site will be conducted.</p> <p>If coastal California gnatcatcher are detected during a pre-construction survey, the location of the sighting will be recorded and confirmation if breeding gnatcatcher are present will be determined. If nesting is determined, a 500-foot buffer will be placed around the nest and no work will take place within 500 feet of the active nest. If work is required to take place, a nesting bird management plan will be prepared to specify the conditions for which work may occur without impacting the nests.</p>	<ul style="list-style-type: none"> <li>Require that project construction activities be avoided during gnatcatcher breeding season</li> <li>Include instruction in construction contractor plans</li> <li>Document compliance</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division; Qualified Biologist/Monitor	X			
<p><b>BIO-2:</b> To determine if the proposed project may result in significant impacts to any of the eight special-status wildlife species listed as California Species of Special Concern (SSC), pre-project surveys should be conducted within 7 days prior to the start of construction activities to determine the presence/absence of any special-status wildlife species within or adjacent to the project site.</p> <ul style="list-style-type: none"> <li>If any special-status wildlife species listed as SSC are determined to occur on the project site and may be impacted by construction of the proposed project, additional avoidance measures such as temporary fencing and biological monitoring during construction</li> </ul>	<ul style="list-style-type: none"> <li>Include instruction in construction contractor plans</li> <li>Document compliance</li> <li>Implement a Worker Environmental Awareness Program (WEAP) Training program</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division; qualified biologist	X	X		

## MITIGATION MONITORING AND REPORTING PROGRAM (CONTINUED)

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
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<p>will be required to reduce potential impacts to a less than significant level.</p> <ul style="list-style-type: none"> <li>If it is determined that a significant population of a special-status wildlife species may be impacted by the project, consultation with CDFW may be required to determine if additional mitigation or relocation is warranted.</li> <li>Additionally, a Worker Environmental Awareness Program (WEAP) Training should be implemented for all construction workers on the project site to reduce potential impacts to SSC species that could move onto the site during construction. The WEAP Training includes best management practices to be implemented such as: limiting disturbance to delineated disturbance areas on the project site, removing trash daily, covering all holes and trenches at the end of each day, and limiting onsite vehicle speeds to under 15 miles per hour. A qualified biologist or monitor should be contacted to move any SSC species off the site prior to any potential impact.</li> </ul>						
<p><b>BIO-3a:</b> Proposed project activities (including, but not limited to, staging and disturbances to native and non-native vegetation, structures, and substrates) should occur outside of the avian breeding season, which generally runs from February 1<sup>st</sup> through August 15<sup>th</sup>, to avoid take of nesting birds, eggs, chicks, or fledglings.</p>	<ul style="list-style-type: none"> <li>Require that project construction activities be avoided during breeding season</li> <li>Include instruction in construction contractor plans</li> <li>Document compliance</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division	X			
<p><b>BIO-3b:</b> If avoidance of the avian breeding season is not feasible a qualified biologist, with experience in conducting breeding bird surveys, shall conduct a preconstruction clearance survey for active nests no more than 3 days prior to the initiation of project construction activities.</p> <ul style="list-style-type: none"> <li>If a protected native bird is found, flagging, stakes, and/or construction fencing and noise attenuation shall be used to demarcate a buffer zone of 300 feet (or 500 feet for raptors) between the project construction activities and the nest. Project construction personnel, including all contractors working on site, will be instructed on the sensitivity of the area. The project proponent shall delay all project construction activities within the 300- (or 500-</li> </ul>	<ul style="list-style-type: none"> <li>Include instruction in construction contractor plans</li> <li>Document compliance</li> <li>Require verification and approval of qualified biologist</li> <li>Require monitoring program coordination</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division; construction contractor	X	X		

## MITIGATION MONITORING AND REPORTING PROGRAM (CONTINUED)

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
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<p>) foot buffer area until August 15th or until a qualified biologist has determined that the juveniles have fledged, the nest is vacated, and there is no evidence of a second attempt at nesting.</p> <ul style="list-style-type: none"> <li>If the biological monitor determines that a wider buffer between the project construction activities and observed active nests is warranted, or a narrower buffer could support impact avoidance, the biologists shall submit a written explanation as to why (e.g., species-specific information; ambient conditions and birds' habituation to them; and the terrain, vegetation, and birds' lines of sight between the project activities and the nest and foraging areas) to the City. Based on the submitted information the City will determine whether to widen the buffer or allow a narrower buffer.</li> <li>The qualified biological monitor shall be present on site during all grubbing and clearing of vegetation to ensure that these activities remain within the project footprint (i.e., outside the demarcated buffer) and that the flagging/stakes/fencing is being maintained, and to minimize the likelihood that active nests are abandoned or fail due to project construction activities. The biological monitor will send weekly monitoring reports to the City during the grubbing and clearing of vegetation, and will notify the City immediately if project activities damage active avian nests.</li> </ul>						
<p><b>BIO-4:</b> In areas adjacent to sensitive vegetation, the construction and staging area limits shall be clearly demarcated with temporary construction (orange blaze) fencing under the supervision of a qualified biologist to ensure that construction activity remains within the defined limits of work. This fencing shall be erected prior to commencement of brushing or grading activities and shall demarcate areas where human and equipment access and disturbance from grading are prohibited adjacent to sensitive habitats. All site preparation near these interfaces shall be monitored by a qualified biologist during construction activities. A qualified biologist also shall inspect the fenced areas during regularly scheduled construction monitoring visits.</p>	<ul style="list-style-type: none"> <li>Include instruction in construction contractor plans</li> <li>Document compliance</li> </ul>	<p>City of Escondido Utilities Department and Community Development Department Planning Division; qualified biologist</p>	X	X		

## MITIGATION MONITORING AND REPORTING PROGRAM (CONTINUED)

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
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<b>BIO-5a:</b> Riparian habitats are those occurring along the banks of rivers and streams. The western extent of Reach 1 would occur within southern riparian habitat as the pipeline crosses a small drainage feature. Potential impacts to Tier I riparian habitats would be mitigated for through replacement of habitat either onsite in-place or purchase of habitat credits at a County-approved mitigation bank at a 3:1 ratio for a total of 0.93 acre of riparian mitigation. If habitat is to be replaced onsite, a Habitat Restoration Plan would be prepared to specify how restoration would be implemented onsite. The Habitat Restoration Plan would identify plant palette, irrigation requirements, monitoring needs, and success standards. Additional measures to reduce potential impacts to riparian habitat will be addressed in the Jurisdictional Resources section below.	<ul style="list-style-type: none"> <li>Applicant to mitigate a total of 0.93 acre of riparian habitat</li> <li>Document compliance with this ratio</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division	X	X	X	
<b>BIO-5b:</b> To reduce potential impacts to Diegan coastal sage scrub habitat, the project would be required to mitigate for the loss of habitat through compensatory mitigation. The mitigation ratio for impacts to Tier II Coastal Sage Scrub habitat is 1.5:1 for impacts in habitat that does not meet the criteria for biological resource core area, as defined in Attachment M of the Biological Mitigation Ordinance. Therefore, the Applicant will be required to mitigate 1.44-acres of coastal sage scrub habitat either onsite or at a County-approved mitigation bank. If habitat is to be replaced onsite, a Habitat Restoration Plan would be prepared to specify how restoration would be implemented onsite. The Habitat Restoration Plan would identify plant palette, irrigation requirements, monitoring needs, and success standards.	<ul style="list-style-type: none"> <li>Applicant should mitigate 1.44 acre of coastal sage scrub</li> <li>Document compliance with this ratio</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division	X	X	X	
<b>BIO-5c:</b> To reduce potential impacts to non-native grassland habitat, the Applicant would be required to mitigate for the loss of habitat through compensatory mitigation. The mitigation ratio for impacts to Tier III non-native grassland habitat is 1:1 for impacts in habitat that does not meet the criteria for biological resource core area, as defined in Attachment M of the Biological Mitigation Ordinance. Therefore, the Applicant would be required to mitigate 0.25-acre of non-native grassland habitat either in-place onsite, or purchase of habitat credits at a County-approved mitigation bank. If habitat is to be replaced onsite, a Habitat Restoration Plan would	<ul style="list-style-type: none"> <li>Applicant should mitigate 0.25 acre of non-native grassland</li> <li>Document compliance with this ratio</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division	X	X	X	

## MITIGATION MONITORING AND REPORTING PROGRAM (CONTINUED)

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
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be prepared to specify how restoration would be implemented onsite. If mitigated on-site, impacts to non-native grassland may be achieved by enhancement and removal of non-native species or transition to coastal sage scrub habitat. The Habitat Restoration Plan would identify plant palette, irrigation requirements, monitoring needs, and success standards.						
<b>BIO-6:</b> If it is determined that the proposed project cannot avoid the jurisdictional features on the project site and would result in significant impacts to jurisdictional waters, regulatory permits will be required to be obtained prior to project construction. To comply with the state and federal regulations for impacts on jurisdictional wetland features/resources, the following permits will be required to be obtained, or verified that they are not required: USACE 401 Permit, RWQCB 404 Permit (in accordance with Section 404 and 401 of the Clean Water Act [CWA]), and a CDFW Streambed Alteration Agreement under Section 1600 of California Fish and Game Code (CFGF). Mitigation to offset the impacts to Waters of the U.S. and State will be implemented in accordance with these regulatory permit conditions. Impacts to County of San Diego wetlands would be required to comply with the provisions of the County Resource Protection Ordinance (RPO).	<ul style="list-style-type: none"> <li>Obtain Regulatory Permit</li> <li>Document compliance with permit specifications</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division	X			
<b>Cultural Resources</b>						
<b>CUL-1:</b> It is recommended the City of Escondido Planning Division ("City") enter into a Tribal Cultural Resource Treatment and Monitoring Agreement (also known as a pre-excavation agreement) with a tribe(s) that is traditionally and culturally affiliated with the Project Location ("TCA Tribe") prior to issuance of a grading permit. The purposes of the agreement are (1) to provide the applicant with clear expectations regarding tribal cultural resources; and (2) to formalize protocols and procedures between the City and the TCA Tribe for the protection and treatment of, including but not limited to, Native American human remains; funerary objects; cultural and religious landscapes; ceremonial items; traditional gathering areas; and cultural items located and/or discovered through a monitoring program in conjunction with the construction of the proposed project, including additional archaeological surveys and/or	<ul style="list-style-type: none"> <li>Applicant should enter into a Tribal Cultural Resource Treatment and Monitoring Agreement</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division	X			

## MITIGATION MONITORING AND REPORTING PROGRAM (CONTINUED)

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
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studies, excavations, geotechnical investigations, grading, and all other ground disturbing activities.						
<b>CUL-2:</b> Prior to issuance of a grading permit, the City shall retain a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (U.S. Department of the Interior, 2008), and a Native American monitor(s) associated with a TCA Tribe(s) to implement the monitoring program. The archaeologist shall be responsible for coordinating with the Native American monitor(s). This verification shall be presented to the City in a letter from the project archaeologist that confirms the selected Native American monitor(s) is associated with a TCA Tribe(s). The City, prior to any pre-construction meeting, shall approve all persons involved in the monitoring program.	<ul style="list-style-type: none"> <li>Require verification and approval of qualified archaeologist</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division	X			
<b>CUL-3:</b> The qualified archaeologist and a Native American monitor(s) shall attend the pre-grading meeting with the grading contractors to explain and coordinate the requirements of the monitoring program.	<ul style="list-style-type: none"> <li>Require monitoring program coordination</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division; qualified archaeologist; Grading contractor	X			
<b>CUL-4:</b> During the initial grubbing, site grading, excavation or disturbance of the ground surface, the qualified archaeologist, or an archaeological monitor working under the direct supervisor of the qualified archaeologist, and the Native American monitor(s) shall be on site full-time. If imported fill materials, or fill used from other areas of the project site, are to be incorporated at the project site, those fill materials shall be absent of any tribal cultural resources. The frequency of inspections shall depend on the rate of excavation, the materials excavated, and any discoveries of cultural resources that qualify as historical, unique archaeological, and/or tribal cultural resources.. Archaeological and Native American monitoring will be discontinued when the depth of grading and soil conditions no longer retain the potential to contain cultural deposits. The qualified archaeologist, in consultation with the Native American monitor(s), shall be responsible for determining the duration and frequency of monitoring.	<ul style="list-style-type: none"> <li>Require on-site archaeological monitor and Native American monitor</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division; Archaeological Monitor; Field Engineering Division		X		

## MITIGATION MONITORING AND REPORTING PROGRAM (CONTINUED)

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
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<p>Prior to the start of ground disturbance, the qualified archaeologist shall conduct a pre-construction survey of the mapped location of CA-SDI-015818 plus a 1,000-foot buffer in an attempt to re-locate the resource. The survey shall include hand and/or mechanical removal of vegetation that may obscure CA-SDI-015818, as necessary by the grading contractor and at the direction of the qualified archaeologist. A Native American monitor associated with a TCA Tribe shall monitor the pre-construction survey and re-location effort. If CA-SDI-015818 is relocated, it shall be treated as a historic property in accordance with Section 106 and as a historical resource in accordance with CEQA. If CA-SDI-015818 can be avoided by project activities, then it shall be fenced or otherwise demarcated as an environmentally sensitive area, and all ground disturbance within 100 feet of the resource shall be monitored in accordance with CUL-4. If it cannot be avoided by project activities, then it shall be subject to treatment in accordance with CUL-6 and CUL-7, which require consultation with the TCA Tribe regarding its disposition and data recovery. The results of any data recovery shall be documented in accordance with CUL-9. If materials are collected during data recovery, they shall be treated in accordance with CUL-8. The qualified archaeologist shall prepare a California Department of Parks and Recreation Update Form for CA-SDI-015818 noting its final disposition.</p> <p>In addition, all ground disturbance within 100 feet of resources CA-SDI- 011048 and CA-SDI-015818 shall be monitored full time regardless of depth of excavation or soil observations.</p>						
<p><b>CUL-5:</b> In the event that previously unidentified cultural resources that qualify as historical, unique archaeological, and/or tribal cultural resources are discovered, the qualified archaeologist and the Native American monitor(s) shall have the authority to temporarily divert or temporarily halt ground disturbance operation in the area of discovery to allow for the evaluation of potentially significant cultural resources. Isolates and clearly non-significant deposits shall be minimally documented in the field and collected so the monitored grading can proceed.</p>	<ul style="list-style-type: none"> <li>Require identification and preservation of any unidentified cultural resources</li> </ul>	<p>City of Escondido Utilities Department and Community Development Department Planning Division; Project Archaeologist; County Coroner; Native American Monitor</p>		X		

## MITIGATION MONITORING AND REPORTING PROGRAM (CONTINUED)

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
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<b>CUL-6:</b> If a cultural resource is discovered that may qualify as a historical, unique archaeological, and/or tribal cultural resource, the qualified archaeologist shall notify the City of said discovery, and shall conduct consultation with TCA tribe(s) to determine the most appropriate mitigation. The qualified archaeologist, in consultation with the City, the TCA Tribe and the Native American monitor(s), shall determine the significance of the discovered resource. Recommendations for the resource's treatment and disposition shall be made by the qualified archaeologist in consultation with the TCA Tribe and the Native American monitor(s) and be submitted to the City for review and approval.	<ul style="list-style-type: none"> <li>Require identification and preservation of any significant historical/tribal resource</li> <li>Consultation with Native American Monitor</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division; Project Archaeologist; Native American Monitor; TCA Tribe		X		
<b>CUL-7:</b> The avoidance and/or preservation of significant cultural resources that qualify as historical, unique archaeological, and/or tribal cultural resources must first be considered and evaluated as required by CEQA. Where any significant resources have been discovered and avoidance and/or preservation measures are deemed to be infeasible by the City, then a research design and data recovery program to mitigate impacts shall be prepared by the qualified archaeologist (using professional archaeological methods), in consultation with the TCA Tribe and the Native American monitor(s) and shall be subject to approval by the City. The archaeological monitor, in consultation with the Native American monitor(s), shall determine the amount of material to be recovered for an adequate artifact sample for analysis. Before construction activities are allowed to resume in the affected area, the research design and data recovery program activities must be concluded to the satisfaction of the City.	<ul style="list-style-type: none"> <li>Require research design and data recovery program.</li> <li>Consultation with Native American Monitor</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division; Project Archaeologist; TCA Tribe		X		
<b>CUL-8:</b> If the qualified archaeologist elects to collect any archaeological materials that qualify as tribal cultural resources, the Native American monitor(s) must be present during any testing or cataloging of those resources. Moreover, if the qualified archaeologist does not collect the archaeological materials that qualify as tribal cultural resources that are unearthed during the ground disturbing activities, the Native American monitor(s), may at their discretion, collect said resources and provide them to the TCA Tribe for respectful and	<ul style="list-style-type: none"> <li>Require that a Native American monitor is present during any testing or cataloging.</li> <li>Any tribal cultural resources collected by the qualified archaeologist shall be repatriated to the TCA Tribe.</li> <li>Any tribal cultural resources collected by the qualified</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division; Project Archaeologist		X	X	

**MITIGATION MONITORING AND REPORTING PROGRAM (CONTINUED)**

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
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<p>dignified treatment in accordance with the Tribe's cultural and spiritual traditions.</p> <p>The project archaeologist shall document evidence that all cultural materials have been curated and/or repatriated as follows:</p> <p>1. It is the preference of the City that all tribal cultural resources be repatriated to the TCA Tribe as such preference would be the most culturally sensitive, appropriate, and dignified. Therefore, any tribal cultural resources collected by the qualified archaeologist shall be provided to the TCA Tribe. Evidence that all cultural materials collected have been repatriated shall be in the form of a letter from the TCA Tribe to whom the tribal cultural resources have been repatriated identifying that the archaeological materials have been received.</p> <p>OR</p> <p>2. Any tribal cultural resources collected by the qualified archaeologist shall be curated with its associated records at a San Diego curation facility or a culturally-affiliated Tribal curation facility that meets federal standards per 36 CFR Part 79, and, therefore, would be professionally curated and made available to other archaeologists/ researchers for further study. The collection and associated records, including title, shall be transferred to the San Diego curation facility or culturally affiliated Tribal curation facility and shall be accompanied by payment of the fees necessary for permanent curation. Evidence that all cultural materials collected have been curated shall be in the form of a letter from the curation facility stating the prehistoric archaeological materials have been received and that all fees have been paid.</p>	<p>archaeologist shall be curated at appropriate facility</p>					

## MITIGATION MONITORING AND REPORTING PROGRAM (CONTINUED)

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
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<b>CUL-9:</b> Prior to the release of the grading bond, a monitoring report and/or evaluation report, if appropriate, which describes the results, analysis and conclusion of the archaeological monitoring program and any data recovery program on the project site shall be submitted by the qualified archaeologist to the City. The Native American monitor(s) shall be responsible for providing any notes or comments to the qualified archaeologist in a timely manner to be submitted with the report. The report will include California Department of Parks and Recreation Primary and Archaeological Site Forms for any newly discovered resources.	<ul style="list-style-type: none"> <li>Require documentation of analysis and data by the qualified Archeologist</li> <li>Consultation with Native American Monitor</li> </ul>	Qualified Archaeologist; Native American Monitor			X	
<b>CUL-10:</b> In the event of unanticipated discovery of paleontological resources, the City shall cease ground-disturbing activities within 100 feet of the find until it can be assessed by a qualified paleontologist. The qualified paleontologist shall assess the find, implement recovery measures if necessary, and determine if paleontological monitoring is warranted once work resumes.	<ul style="list-style-type: none"> <li>Cease ground disturbing activities</li> <li>Require identification and preservation of any undiscovered paleontological resources</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division; Project Paleontologist		X		
<b>CUL-11:</b> As specified by California Health and Safety Code Section 7050.5, if human remains are found on the Project site during construction or during archaeological work, the person responsible for the excavation, or his or her authorized representative, shall immediately notify the San Diego County Coroner's office. Determination of whether the remains are human shall be conducted on-site and in situ where they were discovered by a forensic anthropologist, unless the forensic anthropologist and the Native American monitor agree to remove the remains to an off-site location for examination. No further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains shall occur until the Coroner has made the necessary findings as to origin and disposition. A temporary construction exclusion zone shall be established surrounding the area of the discovery so that the area would be protected, and consultation and treatment could occur as prescribed by law. In the event that the remains are determined to be of Native American origin, the Most Likely Descendant, as identified by the Native American Heritage Commission, shall be contacted in order to determine proper treatment and disposition of the remains in accordance with California Public Resources Code section 5097.98. The Native	<ul style="list-style-type: none"> <li>Require identification and preservation of any undiscovered cultural resources or human remains</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division; Project Archaeologist; County Coroner		X		

## MITIGATION MONITORING AND REPORTING PROGRAM (CONTINUED)

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
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American remains shall be kept in-situ, or in a secure location in close proximity to where they were found, and the analysis of the remains shall only occur on-site in the presence of a Native American monitor.						
<b>Hazardous Materials</b>						
<b>HAZ-1:</b> During construction of the proposed pipeline within a Very High FHSZ, the staging and construction areas should be cleared of dried vegetation or other material that could ignite. Construction equipment that includes a spark arrestor should be equipped in good working order. In addition, construction crews should include a spotter during welding activities to look out for potentially dangerous situations, such as accidental sparks. Other construction equipment, including those with hot vehicle catalytic converters, shall be kept in good working order and used only within cleared construction zones. The City of Escondido shall require the creation and maintenance of approved fire access to work areas, in accordance with local fire regulations. During construction of the proposed project, contractors shall require vehicles and crews working at the project site to have access to functional fire extinguishers.	<ul style="list-style-type: none"> <li>Require that all staging, construction areas and equipment is properly operating and/or has access to fire extinguishers</li> <li>Create and maintain approved fire access to work areas</li> <li>Include information in construction contractor plans</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division; Construction Contractor; Building Division; Field Engineering Division; San Diego County Fire Authority/CAL FIRE	X	X		
<b>Hydrology and Water Quality</b>						
<b>HYD-1:</b> The construction contractor, in coordination with the City of Escondido, shall implement a Safety Plan to monitor the weather forecast. In the event of heavy rainfall forecast, construction workers shall not work in the steeply sloped areas of reach 2 where there is a high potential for mudflow.	<ul style="list-style-type: none"> <li>Prepare Safety Plan</li> <li>Include Plan in construction contractor plans</li> <li>Document compliance with Safety Plan</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division; Construction Contractor; Building Division; Field Engineering Division	X	X		

## MITIGATION MONITORING AND REPORTING PROGRAM (CONTINUED)

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
			Before Construction	During Construction	After Construction	
<b>Noise</b>						
<b>NOI-1:</b> All construction equipment operating at the project site shall be equipped with properly operating mufflers.	<ul style="list-style-type: none"> <li>Require that all construction equipment is equipped with properly operating mufflers</li> <li>Include instruction in construction contractor plans</li> <li>Document compliance</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division; Construction Contractor; Building Division	X			
<b>NOI-2:</b> Noise and groundborne vibration construction activities whose specific location on the project site may be flexible (e.g., operation of compressors and generators, cement mixing, general truck idling) shall be conducted as far as possible from the nearest noise- and vibration-sensitive land uses.	<ul style="list-style-type: none"> <li>Noise and groundborne vibration construction activities shall be conducted as far as possible from the nearest noise- and vibration-sensitive land uses</li> <li>Include instruction in construction contractor plans</li> <li>Document compliance</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division; Construction Contractor; Building Division; Field Engineering Division		X	X	
<b>NOI-3:</b> All stationary construction noise sources used at the project site shall be located away from adjacent receptors, to the extent feasible, and be muffled and/or enclosed within temporary sheds or other insulation barriers to the extent feasible, if necessary.	<ul style="list-style-type: none"> <li>All stationary construction would be located away from adjacent receptors, muffled and/or enclosed within insulation barriers</li> <li>Include instruction in construction contractor plans</li> <li>Document compliance</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division; Construction Contractor; Building Division; Field Engineering Division		X		
<b>NOI-4:</b> Under conditions where excessively loud equipment (e.g., jackhammers) that generate high noise levels are required to be used continuously for an hour or more at the project site within 180 feet of an off-site noise-sensitive receptor, the construction contractor(s) must obtain a variance in advance from the County prior to the use of such equipment.	<ul style="list-style-type: none"> <li>Require loud equipment to be used for less than one hour</li> <li>If not feasible, obtain Noise Variance</li> <li>Include instruction in construction contractor plans</li> <li>Document compliance</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division; Construction Contractor		X		
<b>NOI-5:</b> A construction relations officer shall be designated for the proposed project to serve as a liaison with surrounding residents and property owners and be responsible for responding to any concerns regarding construction noise and vibration. The liaison's telephone number(s) shall be prominently displayed at the project site. Signs shall also be posted that include permitted construction days and hours at the project site.	<ul style="list-style-type: none"> <li>Appoint a liaison with surrounding residents</li> <li>Document liaison correspondence</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division	X			

**MITIGATION MONITORING AND REPORTING PROGRAM (CONTINUED)**

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
			Before Construction	During Construction	After Construction	
<p><b>NOI-6:</b> A Blasting Plan for construction shall be prepared and followed. Primary components of the Blasting Plan shall include</p> <ul style="list-style-type: none"> <li>• Identification of blast officer;</li> <li>• Scaled drawings of blast locations, and neighborhood buildings, streets, or other locations which could be inhabited;</li> <li>• Blasting notification procedures, lead times, and list of those notified. Public notification to potentially affected vibration and nuisance noise receptors describing the expected extent and duration of the blasting;</li> <li>• Description of means for transportation and on-site storage and security of explosives in accordance with local, state, and federal regulations;</li> <li>• Minimum acceptable weather conditions for blasting and safety provisions for potential stray current (if electronic detonation);</li> <li>• Traffic control standards and traffic safety measures (if applicable);</li> <li>• Required personal protective equipment;</li> <li>• Minimum standoff distances and description of blast impact zones and procedures for clearing and controlling access to blast danger;</li> <li>• Procedures for handling, setting, wiring, and firing explosives. Also procedures for handling misfires per Federal code;</li> <li>• Type and quantity of explosives and description of detonation device. Sequence and schedule of blasting rounds, including general method of excavation, lift heights, etc.;</li> <li>• Methods of matting or covering of blast area to prevent flyrock and excessive air blast pressure;</li> <li>• Description of blast vibration and air blast monitoring programs;</li> <li>• Dust control measures in compliance with applicable air pollution control regulations</li> </ul>	<ul style="list-style-type: none"> <li>• Prepare Blasting Plan</li> <li>• Document compliance with Blasting Plan</li> <li>• Include Plan in construction contractor plans</li> </ul>	City of Escondido Utilities Department and Community Development Department Planning Division; Construction Contractor; Building Division; Field Engineering Division	X	X		

## MITIGATION MONITORING AND REPORTING PROGRAM (CONTINUED)

Mitigation Measures	Implementation, Monitoring, and Reporting Action	Responsibility	Monitoring Schedule			Verification Date
			Before Construction	During Construction	After Construction	
<ul style="list-style-type: none"> <li>• Emergency Action Plan to provide emergency telephone numbers and directions to medical facilities. Procedures for action in the event of injury;</li> <li>• Material Safety Data Sheets for each explosive or other hazardous materials to be used;</li> <li>• Evidence of licensing, experience, and qualification of blasters;</li> <li>• Description of insurance for the blasting work</li> </ul>						