

**FINAL ENVIRONMENTAL IMPACT REPORT
FOR THE
OTAY MESA RECYCLED
WATER SYSTEM
CAPITAL IMPROVEMENT PROGRAM
R2087, R2077, R2058 PROJECT
FINAL EIR**

**Mitigation Monitoring and
Reporting Program**

SCH No. 2009101031

Prepared For:



Otay Water District
2554 Sweetwater Springs Boulevard
Spring Valley, California 91978-2096

Prepared By:



9775 Businesspark Avenue, Suite 200
San Diego, California 92131

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INTRODUCTION

The California Environmental Quality Act (CEQA) requires that public agencies (Lead Agencies) adopting Environmental Impact Reports (EIRs) take affirmative steps to determine that project design features (PDFs), standard construction practices (SCPs), and approved mitigation/performance measures are implemented subsequent to project approval. The Lead Agency must adopt a reporting and monitoring program for the PDFs, SCPs, and mitigation/performance measures incorporated into a project or included as conditions of approval. The program must be designed to ensure compliance with the EIR during project implementation (Public Resources Code §20181.6; CEQA Guidelines §15074(d)).

This Mitigation Monitoring and Reporting Program (MMRP) will be used by the Otay Water District (District) as Lead Agency to ensure compliance with the PDFs, SCPs, and mitigation/performance measures identified in the Final EIR for the Otay Mesa Recycled Water System Capital Improvement Program R2087, R2077, R2058 Project. Implementation of these PDFs, SCPs, and mitigation/performance measures will reduce significant impacts on air quality, biological resources; cultural resources; geology/soils, hazards/hazardous materials, hydrology/water quality, noise, and traffic.

This MMRP consists of a checklist (Table 1) that identifies the PDFs, SCPs, and mitigation/performance measures by resource; the person(s) responsible for verifying implementation; the timing of verification (prior to, during, or after construction); and the parties responsible for implementation. Space is provided for sign-off following completion/implementation of the PDFs, SCPs, and mitigation/performance measures.

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**Table 1. Otay Mesa Recycling Water System / Capital Improvement Program / R2087, R2077, R2058 Project
Mitigation Monitoring and Reporting Program**

Design Feature or Mitigation No.	Design Feature or Mitigation Measure	Person(s) to Verify	Timing of Verification			Responsible Party	Completed		Comments	Resp. Team Member	Spec Section or Dwg No.	Verified in Contract by	Comments
			Pre Const	During Const	Post Const		Initials	Date					
Air Quality													
PDF/SCP AQ 1	<p>The District will implement standard construction measures in accordance with SDAPCD rules (Rules 50, 51, 52, 54 and 55) for controlling emissions from fugitive dust and fumes:</p> <ul style="list-style-type: none"> Water the grading areas a minimum of twice daily to minimize fugitive dust. Stabilize graded areas as quickly as possible to minimize fugitive dust. Apply temporary shaker plates on construction areas outside of paved roads. Provide sufficient erosion control to prevent washout of silty material onto public roads. Cover haul trucks or maintain at least 12 inches of freeboard to reduce blow-off during hauling. Suspend all soil disturbance and travel on unpaved surfaces if winds exceed 25 mph. Enforce a 15 mph speed limit on unpaved surfaces. Periodically sweep up dirt and debris spilled onto paved surfaces to reduce re-suspension of particulate matter caused by vehicle movement. Clean approach routes to construction sites of construction-related dirt. Hydroseed, landscape, or develop disturbed areas as quickly as possible and as directed by the District to reduce dust generation. Limit the daily grading volumes and/or area. 	District		X		Construction Contractor							

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Biological Resources													
Mitigation Measure BIO-1	A total of 2.52 acres of maritime succulent scrub shall be created within the District's Habitat Management Area (HMA).	District, USFWS, CDFG			X	Restoration Ecologist Contractor							
Mitigation Measure Bio-2	A total of 6.58 acres of Diegan coastal sage scrub credits shall be deducted from the District's HMA, including 2.53 acres located within designated critical habitat for the coastal California gnatcatcher.	District, USFWS, CDFG			X	Restoration Ecologist Contractor							
Mitigation Measure BIO-3	Direct impacts on nonnative grassland shall be mitigated at a 0.5:1 ratio for impacts occurring outside the City of San Diego's MHPA (0.30 acre) and a 1.5:1 ratio for impacts occurring within the Multi-Habitat Planning Area (MHPA) (0.01 acres) through the use of available grassland credits within the District's existing HMA.	DISTRICT, USFWS, CDFG			X	Restoration Ecologist Contractor							
Mitigation Measure BIO-4	Impacts on 600 individuals of Palmer's grapplehook is proposed to be mitigated through onsite seed collection and planting of this species in the proposed 2.52-acre maritime succulent scrub revegetation site within the District's HMA.	District, USFWS, CDFG			X	Restoration Ecologist Contractor							
Mitigation Measure BIO-5	Impacts on coastal California gnatcatchers from loss of maritime succulent scrub and Diegan coastal sage scrub habitat would be mitigated through habitat creation summarized in mitigation measures MM-BIO-1 and MM-BIO-2.	District, USFWS, CDFG			X	Restoration Ecologist Contractor							
Mitigation Measure BIO-6a	All construction activities associated with the construction of the PRS shall be conducted outside of the breeding season (February 15–August 31) to avoid potential indirect impacts on the coastal California gnatcatcher.	District	X			Biological Resources Contractor							
Mitigation Measure BIO-6b	Indirect impacts from dust shall be managed through the use of water trucks and other reasonable methods of dust control during Project activities. Specific dust control measures to be used during construction are listed in design feature AQ 1 in Section 4.1, "Air Quality."	District, Onsite Construction Supervisor		X		Construction Contractor							
Mitigation Measure BIO-7a	Pre-construction Survey: If vegetation removal is to be conducted during the breeding season (January through September), pre-construction surveys shall be conducted to determine if any birds protected by the MBTA and	District	X			Biological Resources Contractor							

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	similar provisions of the Fish and Game Code are nesting within or immediately adjacent to any vegetation that will be removed within the impact area. If a nest is found, methods shall be implemented to avoid impacts. Methods shall consist of a no-work buffer zone placed around the nest until the adults are no longer using it or the young have fledged. The specific buffer width shall be determined by a qualified biologist at the time of discovery. The buffer width will vary based on site conditions and type of work to be conducted.												
Mitigation Measure BIO-7b	Monitoring: A qualified biologist shall monitor vegetation removal if conducted during the breeding season. Impacts shall be kept to a minimum and direct impacts on habitat shall only occur within the final approved impact area.	District		X		Biological Resources Contractor							
Mitigation Measures BIO-8/9/10	If San Diego Fairy Shrimp and/or cysts are encountered as a part of ongoing sampling of the Wueste Road, Alta Road, and Airway/La Media Road Pipelines the District shall prepare a vernal pool creation/enhancement program to mitigate for impacts on road ruts containing cysts. A vernal pool creation/enhancement plan shall be prepared, in coordination with the USFWS, which will identify the required mitigation area, mitigation site location, and success criteria.	District		X		Biological Resources Contractor							
Cultural Resources													
Mitigation Measure CUL-1a	During the design phase for CIP R2087, R2077, and R2048, available data shall be reviewed by the District on the depth of fill below existing roads in which pipelines would be installed. If such review indicates that native soils would not be disturbed by pipeline trenching activities, then cultural resources monitoring shall not be required for those CIP projects, and this determination shall be documented by the District in accordance with CEQA requirements. Potential disturbance of native soils would only occur where the pipeline alignment would extend outside of a roadway. If it is determined that native soils would be disturbed by pipeline trenching activities, then a cultural resources monitoring program shall be implemented	District	X			Qualified Archaeologist							

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	in accordance with mitigation measures MM CUL-1b and MM CUL-1c.												
Mitigation Measure CUL-1b	<p>Prior to Start of Construction:</p> <p>A. <i>Construction Plan Check</i></p> <ul style="list-style-type: none"> Prior to the first preconstruction meeting, the District shall include the requirements for cultural resources monitoring on the appropriate construction documents. <p>B. <i>Submittal of Letters of Qualification to the District</i></p> <ul style="list-style-type: none"> Prior to any construction activities or ground-disturbance, the Contractor shall submit a letter of verification to the District identifying the Qualified Archaeologist (Archaeologist) for the Project and the names of all persons involved in the cultural resources monitoring program. The Archaeologist shall be required to monitor all ground-disturbing activities that involve impacts on native soils. Potential disturbance of native soils would only occur where the pipeline alignment would extend outside of a roadway <p>C. <i>Attendance at Preconstruction Meetings</i></p> <ul style="list-style-type: none"> Prior to beginning any work that requires monitoring, the District shall arrange a Preconstruction Meeting with the Archaeologist, District's Construction Manager (CM), Resident Engineer (RE), District's Inspector (DI), if appropriate, and the District. The Archaeologist shall attend any grading/excavation-related Preconstruction Meetings to make comments and/or suggestions concerning the Cultural Resources Monitoring program with the CM. If the Archeologist is unable to attend the Preconstruction Meeting, the 	District	X			Qualified Archaeologist, District's Construction Manager (CM), Resident Engineer (RE), District's Inspector (DI)							

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	<p>District shall schedule a focused Preconstruction Meeting with the District, the Archaeologist, RE, CM, or DI, if appropriate, prior to the start of any work that requires monitoring.</p> <ol style="list-style-type: none"> 1. The Archaeologist shall (at that meeting or subsequently) submit to the District's CM a copy of the site/grading plan that identifies areas to be monitored. 2. The Archaeologist shall coordinate the construction schedule with the construction supervisor and the District to identify when and where monitoring is to begin, including the start date for monitoring. 												
Mitigation Measure CUL-1c	<p>During Construction:</p> <p>A. The Archaeologist shall be present during grading/excavation and shall document such activity on a standardized form. A record of monitoring activity shall be submitted to the District each month and at the end of monitoring.</p> <p>B. <i>Discovery Notification Process</i></p> <ul style="list-style-type: none"> • In the event of a discovery, the Archaeologist shall direct the contractor to temporarily divert construction activities away from the area of discovery and then shall notify the Contractor and the District's CM, as appropriate. • The Archaeologist shall immediately notify the District's CM by phone of the discovery, and shall also submit written documentation to the District within 24 hours by fax or email with photos of the resource in context, if possible. 	District, Onsite Construction Supervisor		X		Qualified Archaeologist, Native American Monitor							

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	<ul style="list-style-type: none"> The District shall consult with the Archaeologist to consider means of avoiding or reducing ground disturbance within the archaeological site boundaries, including minor modifications of Project footprints, placement of protective fill, establishment of a preservation easement, or other means. <p><i>C. Determination of Significance</i></p> <ul style="list-style-type: none"> The Archaeologist shall evaluate the significance of the resource and shall immediately notify the District's CM by phone to discuss significance determination and shall also submit a letter to the District indicating whether additional mitigation is required. If the resource is determined to be significant, the Archeologist shall prepare a scope and cost to recover and process the discovery. Written approval must be obtained from the District before work can proceed. Impacts on significant resources must be mitigated before ground-disturbing activities in the area of discovery are allowed to resume. If the resource is not significant, the Archaeologist shall submit a letter to the District indicating that artifacts will be collected, curated, and documented in the Final Monitoring Report. The letter shall also indicate that no further work is required. <p><i>D. Site Collection</i></p> <ul style="list-style-type: none"> If development cannot avoid ground disturbance within the archaeological site boundaries, then the District shall 												

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	<p>implement the measures listed below. The District shall be notified by the Archaeologist when the discovered resources have been collected and removed from the site for evaluation, at which time the District's CM shall direct work to continue in the location of the discovery.</p> <ol style="list-style-type: none"> 1. A research design and archaeological data recovery plan shall be prepared that will capture those categories of data for which the site is significant, and the data recovery plan will be implemented. The significance of the discovered resources shall be determined in consultation with the Native American representative, as appropriate. 2. If, in the opinion of the Archaeologist and in light of the data available, the significance of the site is such that data recovery cannot capture the values that qualify the site for inclusion in the CRHR, then the District shall reconsider Project plans in light of the high value of the resource, and implement more substantial Project modifications that would allow the site to be preserved intact, such as redesign, placement of fill, or relocation or abandonment. If no such measures are feasible, then the impact shall be considered significant and unavoidable. 3. If the site contains human remains, as part of the data recovery plan, appropriate parties shall be consulted, such as the Medical Examiner, NAHC, MLD, and the San Diego Museum of Man. Such consultation may include a 												

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	<p>pre-excavation agreement with the MLD.</p> <p>4. Appropriate technical analyses shall be performed, and a report shall be prepared and filed with the South Coastal Information Center, with provision for the permanent curation of recovered resources, as follows:</p> <ul style="list-style-type: none"> The Archaeologist shall, in consultation with the Native American Representative, ensure that all significant cultural resources collected are cleaned, catalogued, and analyzed to identify function and chronology as they relate to the history of the area; that faunal material is identified as to species; that specialty studies are completed, as appropriate; and that, following legal transfer to a federally recognized curation facility, a letter of acceptance from the curation institution has been submitted to the District. 												
Mitigation Measure CUL-2	<p>The District shall complete the following prior to site construction.</p> <p>Prior to issuance of any permit that could directly affect paleontological resources, the District shall assure that all elements of the MMRP are performed as stipulated by a Qualified Paleontologist. The District shall also require that the following steps be taken to determine (1) the presence of paleontological resources and (2) the appropriate mitigation for any significant resources that may be affected by a development activity. Paleontological resources may range from a single fossil specimen to extensive fossil shell beds.</p>	District, Contractor	X	X	X	Principal Investigator (PI), District's Construction Manager (CM) Resident Engineer (RE), the District's Inspector (DI), and Qualified Paleontologist							

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	<p>Monitoring and Reporting:</p> <p>Because the Project site is fully built out, paleontological mitigation monitoring will be required and shall be conducted in accordance with the following provisions and components:</p> <p>I. Prior to Start of Construction:</p> <p>A. <i>Construction Plan Check</i></p> <ul style="list-style-type: none"> Prior to the first preconstruction meeting, the District shall include the requirements for paleontological monitoring on the appropriate construction documents. <p>B. <i>Submittal of Letters of Qualification to the District</i></p> <ul style="list-style-type: none"> Prior to any construction activities or ground-disturbance the Contractor shall submit a letter of verification to the District identifying the Principal Investigator (PI) for the Project and the names of all persons involved in the paleontological monitoring program. If applicable, individuals involved in the monitoring program must have completed the 40-hour Hazardous Waste Operations and Emergency Response Standard (HAZWOPER) training and have current certification. <p>C. <i>Verification of Records Search</i></p> <ul style="list-style-type: none"> The PI shall provide verification to the District that a site-specific paleontological records search (1-mile radius) has been completed. Verification shall include, but not be limited to, a copy of a confirmation letter from the San Diego Natural History Museum fossil locality database. 												

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	<ul style="list-style-type: none"> The letter shall introduce any pertinent information concerning expectations and probabilities of discovery during trenching and/or grading activities. <p><i>D. PI Attendance at Preconstruction Meetings</i></p> <ul style="list-style-type: none"> Prior to beginning any work that requires monitoring, the District shall arrange a Preconstruction Meeting with the PIs, the District's Construction Manager (CM) Resident Engineer (RE), the District's Inspector (DI), if appropriate, and the District. The Qualified Paleontologist shall attend any grading/excavation-related Preconstruction Meetings to make comments and/or suggestions concerning the Paleontological Monitoring program with the CM. If the PI is unable to attend the Preconstruction Meeting, the District shall schedule a focused Preconstruction Meeting with the District, the PI, RE, CM, or BI, if appropriate, prior to the start of any work that requires monitoring. <p><i>E. Paleontological Monitoring Plan</i></p> <ul style="list-style-type: none"> Prior to the start of any work that requires monitoring, the PI shall submit for approval by the District a Paleontological Monitoring Plan that describes how the monitoring would be accomplished. The Paleontological Monitoring Plan shall provide a Paleontological Monitoring Exhibit (PME) based on the appropriate construction documents (reduced to 11 by 17 inches) for the District that identifies the areas to be monitored, including the delineation of grading/excavation limits. 												

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	<ul style="list-style-type: none"> The PME shall be based on the results of a site-specific records search as well as information regarding existing known soil conditions (native or formation). Prior to the start of any work, the PI shall also submit a construction schedule to the District through the District's CM indicating when and where monitoring will occur. The PI may submit a detailed letter to the District prior to the start of work or during construction requesting a modification to the monitoring program. This request shall be based on relevant information such as review of final construction documents that indicate site conditions such as depth of excavation and/or site graded to bedrock, etc., which may reduce or increase the potential for resources to be present. <p>II. During Construction:</p> <p>A. <i>Monitor Present during Grading/Excavation/Trenching</i></p> <ul style="list-style-type: none"> The paleontological monitor shall be present fulltime during grading/excavation/trenching activities that could result in impacts on paleontological resources as identified on the PME. The Contractor is responsible for notifying the District's CM of changes to any construction activities. The paleontological monitor shall document field activity via the Consultant Site Visit Record (CSV). CSVs shall be faxed by the Contractor to the District's CM the first day of monitoring, the last day of monitoring, monthly (Notification of Monitoring Completion), and in the case of 												

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	<p>any discoveries.</p> <ul style="list-style-type: none"> The potential exists that portions of the construction trench beneath a roadway would be disturbed in association with past road construction and existing pipeline construction. Once the PI has monitored construction activities, the PI may reduce the amount of monitoring required if the preservation conditions within the trench are poor. <p><i>B. Discovery Notification Process</i></p> <ul style="list-style-type: none"> In the event of a discovery, the paleontological monitor shall direct the contractor to temporarily divert construction activities away from the area of discovery and then shall notify the Contractor and the District's CM, as appropriate. The paleontological monitor shall then notify the PI (unless monitor is the PI) of the discovery. The PI shall immediately notify the District's CM by phone of the discovery, and shall also submit written documentation to the District within 24 hours by fax or email with photos of the resource in context, if possible. <p><i>C. Determination of Significance</i></p> <ul style="list-style-type: none"> The PI shall evaluate the significance of the resource and shall immediately notify the District's CM by phone to discuss significance determination and shall also submit a letter to the District indicating whether additional mitigation is required. If the resource is determined to be significant, the PI shall prepare a scope and cost to recover and process the 												

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	<p>discovery. Written approval must be obtained from the District before work can proceed. Impacts on significant resources must be mitigated before ground-disturbing activities in the area of discovery are allowed to resume.</p> <ul style="list-style-type: none"> If the resource is not significant, the PI shall submit a letter to the District indicating that artifacts will be collected, curated, and documented in the Final Monitoring Report. The letter shall also indicate that that no further work is required. <p>III. Post Construction:</p> <p><i>A. Submittal of Draft Monitoring Report</i></p> <ul style="list-style-type: none"> The PI shall submit two copies of the Draft Monitoring Report (even if negative) describing the results, analysis, and conclusions of all phases of the Paleontological Monitoring Program (with appropriate graphics) to the District's CM for review and approval within 90 days following the completion of monitoring. The PI shall be responsible for recording (on the appropriate forms) any significant or potentially significant fossil resources encountered during monitoring and submit the forms to the San Diego Natural History Museum. The PI shall incorporate District comments and prepare a Final Paleontological Monitoring Report. <p><i>B. Handling of Fossil Remains</i></p> <ul style="list-style-type: none"> The PI shall be responsible for ensuring that all fossil remains collected are cleaned 												

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	<p>and catalogued.</p> <ul style="list-style-type: none"> The PI shall be responsible for ensuring that the fossil collection and all associated documentation are legally transferred to a qualified repository within San Diego County. 												
Mitigation Measure CUL-3a	The District shall implement the provisions of California Health and Safety Code 7050.5 and PRC 5097.98, which establish procedures to be followed if Native American or other skeletal remains are discovered during construction of a project, including the treatment of remains prior to, during, and after evaluation, and reburial procedures.	District		X		Qualified Archaeologist, Native American Monitor							
Mitigation Measure CUL-3b	<p>If the presence of human remains is revealed in future resource significance assessments, consultation with relevant Native American groups or individuals by the District shall be required, and appropriate disposition measures shall need to be determined in consultation with these representatives. Measures for disposition shall include the following elements:</p> <ul style="list-style-type: none"> If human remains are identified or suspected, the monitor shall immediately notify the PI who, in turn, shall notify the Medical Examiner's (ME) office. If the ME, in consultation with the PI, determines that the remains are Native American, then the ME shall contact the NAHC. The NAHC shall then identify MLD candidates. The PI shall initiate consultation with the MLD(s) before activity continues at the site of discovery. The PI and MLD shall establish a mutually agreed upon protocol for processing the remains, associated grave goods, and sacred objects as well as the analysis and ultimate disposition of these materials. Following completion of applicable analyses, the human remains and any other items of interest shall be repatriated to the MLD. Written verification of repatriation from the MLD shall complete this mitigation measure. 	District		X	X	Qualified Archaeologist, Native American Monitor							

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Geology/Soils													
PDF/SCP GEO 1	A comprehensive geotechnical evaluation, including subsurface exploration and laboratory testing, will be performed prior to construction of structural improvements.	District	X			Geologist							
Mitigation Measure GEO-1	<p>Prior to construction of the proposed pipelines the District shall conduct a geotechnical investigation, including subsurface investigation, based on final design that will identify specific measures to address geotechnical hazards. Measures that could be used to address geotechnical hazards from liquefaction, land sliding, and ground shaking are: proposed pipelines shall be designed by a Civil Engineer to minimize impacts from strong ground shaking in the event of an earthquake on a nearby fault. They may also include, but not be limited to, the following.</p> <p>Ground Shaking: The proposed pipelines shall be designed by a Civil Engineer in accordance with standard pipeline design methods to minimize impacts from strong ground shaking in the event of an earthquake on a nearby fault.</p> <p>Liquefaction: Although alluvial soils near the southern end of the Lower Otay Reservoir may be subject to settlement from liquefaction during a nearby seismic event, this would not preclude development of the proposed structures. The following recommendations may be implemented during construction to mitigate this condition: removal and replacement of soils susceptible to static settlement or liquefaction, densification of the soil, or lowering of the groundwater table.</p> <p>Landsliding: If landsliding is encountered during construction the following may be implemented during construction to mitigate this condition: removal of the slide masses and their replacement with engineered fill, the placement of buttress fills, or a combination of these recommendations.</p>	District	X			Geologist, Civil Engineer							
Mitigation Measure GEO-2	Prior to construction of the proposed pipelines the District shall conduct a geotechnical investigation including subsurface investigation based on final design that will identify specific measures to address	District	X			Geologist, Civil Engineer							

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	<p>geotechnical hazards. Measures that could be identified to address geotechnical hazards from hydrocollapse, settlement, and corrosive soils may include, but are not limited to, the following:</p> <p>Hydrocollapse: Although soils near active alluvial channels (low areas) of the Project may be subject to hydrocollapse, this would not preclude development of the proposed pipelines. The following recommendations may be implemented during construction to mitigate this condition: removal and replacement of soils susceptible to hydrocollapse, densification of these soils, or lowering of the groundwater table.</p> <p>Soft Ground/Settlement: Soils in areas with soft ground or loose soils in the area of the proposed Project may be subject to settlement. The following recommendation may be implemented during construction to mitigate for this condition: removal and/or replacement of soils as engineered compacted fill.</p> <p>Corrosive Soils: If there are corrosive soils on site, a Corrosion Engineer shall review proposed improvements and assist in the design of improvements in contact with the soils.</p> <p>SCS&T Geotechnical Investigation Measures: The District shall implement measures identified in the February 3, 2010, SCS&T study that address unstable soils (see Appendix E-2 to this draft EIR). The measures identified in the SCS&T study shall be incorporated into the final design of the pipelines.</p>												
Mitigation Measure GEO-3	<p>Prior to construction of the proposed pipelines the District shall conduct a geotechnical investigation, including a subsurface investigation, based on final design that will identify specific measures to address geotechnical hazards. Measures that could be identified to address geotechnical hazards from expansive soils may include, but are not limited to, the following:</p>	District	X			Geologist, Civil Engineer							

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	<p>Expansive Soils: Expansive soils may lead to damage to foundations and engineered structures. The following measures may be implemented to mitigate this condition: the soils could be recovered from distressed sensitive areas and placed in deeper fill areas, the soils could be excavated and removed from the site, or they could be treated to mitigate their potential for erosion.</p> <p>SCS&T Geotechnical Investigation Measures: The District shall implement measures identified in the February 3, 2010, SCS&T study that address expansive soils (Appendix E-2 to this draft EIR). The measures identified in the SCS&T study shall be incorporated into the final design of the pipelines.</p>												
Hazards/Hazardous Materials													
PDF/SCP HAZ 1	Recycled water transported within the pipelines will meet the regulations of CCR Titles 17 and 22.	District, Onsite Construction Supervisor			X	Construction Contractor							
PDF/SCP HAZ 2	During both the Project's construction and operation, the procedures taken will comply with USDOT (Office of Hazardous Materials Safety) as it pertains to the transportation, storage, and disposal of hazardous materials and CHP regulations relating to transporting hazardous materials along State Highways.	District, Onsite Construction Supervisor		X	X	Construction Contractor							
PDF/SCP HAZ 3	Prior to ground disturbance, a database search of hazardous material sites will be conducted for the proposed Project to assess the status of the remediation process for the Brown Field Bombing Range. If sites are identified within the construction corridor, the District will retain a registered environmental assessor to prepare a Remediation Plan for any contaminated soils or groundwater encountered within the construction area. The remediation plan will be incorporated into the construction documents. If contamination or other hazardous sites such as underground storage tanks are encountered during ground-disturbing activities, the District, County Department of Environmental Health (DEH), and RWQCB will be notified; and the onsite construction supervisor will redirect work	District, County Department of Environmental Health (DEH), and RWQCB	X			District, Environmental Assessor							

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			Pre Const	During Const	Post Const		Initials	Date					
	away from the location of the contamination. The contamination remediation and removal activities will be conducted in accordance with the Remediation Plan and pertinent regulatory agencies, under the oversight of the appropriate regulatory agency.												
PDF/SCP HAZ 4	The District will minimize fire danger in the vicinity of and adjacent to the construction site. The District will ensure that labor and equipment is available during construction activities to protect the surrounding property from fire damage resulting from construction activities.	District, Onsite Construction Supervisor, District	X	X		Construction Contractor							
Hydrology/Water Quality													
PDF/SCP HYD 1	If a discharge was to occur from a breached pipeline, the District will immediately contact the SDRWQCB, City of San Diego, and the CDPH with the scope of the discharge. In addition the following measures will be incorporated into the design of the pipeline: <ul style="list-style-type: none"> All potential impertinences such as blowoff valves and air vacs will be located below grade. 	District, Onsite Construction Supervisor		X	X	Construction Contractor							
PDF/SCP HYD 2	In accordance with the Water Agencies' Standards (WAS), the construction contractor is required to implement a Safety Plan at each construction site that will involve the transport, storage, use, and disposal of hazardous materials. Such plans will also specify stormwater Best Management Practices (BMPs) to minimize downstream water quality degradation from runoff pollution associated with pipeline construction activities. Construction BMPs identified in the Safety Plan that could be included in the Project's SWPPP include but are not limited to the following: <ul style="list-style-type: none"> Soil Stabilization (Erosion Control) <ul style="list-style-type: none"> Preservation of Property/Preservation of Existing Vegetation Temporary Soil Stabilizer <p>The soil stabilizing materials would include a hydroseed mix consisting of the appropriate native species for</p>	District, Onsite Construction Supervisor, County DEH		X		Construction Contractor, District Maintenance Personnel (long-term operations)							

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	<p>hydroseeding in coastal sage scrub and maritime succulent scrub vegetation communities.</p> <ul style="list-style-type: none"> • Sediment Control <ul style="list-style-type: none"> ○ Temporary Silt Fence ○ Temporary Check Dam ○ Temporary Gravel Bag Berm ○ Street Sweeping ○ Temporary Sandbags ○ Temporary Drain Inlet Projection • Tracking Control <ul style="list-style-type: none"> ○ Street Sweeping ○ Temporary Entrance/Outlet Tire Wash • Wind Erosion Control <ul style="list-style-type: none"> ○ Wind Erosion Control ○ Temporary Construction Entrance • Construction Site Management <ul style="list-style-type: none"> ○ Water Control and Conservation ○ Dewatering ○ Paving, Sealing, Sawcutting, and Grinding Operations ○ Illegal Connection and Illegal Discharge Detection Reporting ○ Concrete Curing ○ Concrete Finishing ○ Structure Demolition/Removal Over or Adjacent to Water • Waste Management Pollution Control <ul style="list-style-type: none"> ○ Material Delivery and Storage ○ Material Use ○ Stockpile Management ○ Spill Prevention and Control ○ Solid Waste Management ○ Hazardous Waste Management ○ Concrete Waste Management 												

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	<ul style="list-style-type: none"> o Temporary Concrete Washout (Portable) o Sanitary/Septic Waste Management 												
Noise													
Mitigation Measure NOI-1	Pumps and associated equipment (i.e., portable generators etc.) used during nighttime hours (10 p.m. to 7 a.m.) shall be shielded from sensitive uses using local temporary noise barriers or enclosures, or shall otherwise be designed or configured so as to comply with the City of Chula Vista's municipal code nighttime noise standard of 45 dBA at residences.	District, Onsite Construction Supervisor		X		Construction Contractor, Noise Monitor							
Traffic													
PDF/SCP TRA 1	Lane closures for Otay Mesa Road between Sanyo Avenue and Alta Road and Airway Road between La Media Road and Avenida de la Fuente will be spaced out during the course of each day to ensure few or no closures during the A.M. and P.M. peak hours of commuter traffic.	District, Onsite Construction Supervisor		X		Construction Contractor							
PDF/SCP TRA 2	City/County-approved traffic control plans will be prepared for Project construction, and signage and/or flagging will be provided.	District, Onsite Construction Supervisor	X	X		District							
PDF/SCP TRA 3	Because construction activities will restrict access to or from adjacent land uses, businesses will be notified of potential obstructions. Blocked access to nearby properties will require advance coordination with property owners and tenants. Construction will be scheduled so that at least one access driveway is left unblocked during business hours.	District	X			District							
PDF/SCP TRA 4	Construction activities may disrupt bus service route 905A (Iris Avenue Trolley Station to Otay Mesa Border Crossing) on Airway Road. Therefore, advanced coordination with public transit agencies measures will be implemented to avoid disruption to transit operations. Measures used to avoid disruption would include written notification to transit agencies several months in advance of construction schedules, the development of traffic detours during construction and timing the construction to allow for bus routes to continue on the existing schedule.	District	X			District							

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PDF/SCP TRA 5	Construction activities could impede pedestrian and bicyclist movements in the construction area. Therefore, alternative pedestrian access routes will be provided and will be signed/marked appropriately to avoid obstructions to pedestrians and bicyclists.	District	X			District							