

Final

GOETZ ROAD POTABLE WATER STORAGE TANK AND TRANSMISSION PIPELINE PROJECT

Environmental Impact Report
State Clearinghouse Number: 2015101020

Prepared for
Eastern Municipal Water District

January 2021



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TABLE OF CONTENTS

Goetz Road Potable Water Storage Tank and Transmission Pipeline Project Final EIR

	<u>Page</u>
Chapter 7, Introduction to the Final EIR.....	7-1
7.1 CEQA Requirements	7-1
7.2 Public Participation Process	7-1
7.3 Final EIR Certification and Approval.....	7-2
7.4 Notice of Determination	7-2
7.5 Mitigation Monitoring and Reporting Program.....	7-2
Chapter 8, Comment Letters	8-1
Chapter 9, Response to Comments.....	9-1
Chapter 10, Mitigation Monitoring and Reporting Program.....	10-1

List of Tables

8-1	List of Comment Letters	8-1
10-1	Mitigation Monitoring and Reporting Program for the Goetz Road Potable Water Storage Tank and Transmission Pipeline Project.....	10-2

Appendices

A	Goetz Road Potable Water Storage Tank and Transmission Pipeline Project Draft EIR
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CHAPTER 7

Introduction to the Final EIR

This Final Environmental Impact Report (EIR) has been prepared in accordance with the California Environmental Quality Act (CEQA) as amended (Public Resources Code Sections 21000 et seq.) and the CEQA Guidelines (California Code of Regulations, title 14, Sections 15000 et seq.). The Final EIR incorporates, by reference, the Draft EIR (included here as **Appendix A**) prepared by the Eastern Municipal Water District (EMWD) for the Goetz Road Potable Water Storage Tank and Transmission Pipeline Project (Project; State Clearinghouse No. 2015101020) as it was originally published on July 17, 2020.

7.1 CEQA Requirements

The CEQA Guidelines specify that the Final EIR shall consist of the following:

- The Draft EIR or a revision of that draft;
- Comments and recommendations received on the Draft EIR;
- A list of persons, organizations, and public agencies commenting on the Draft EIR;
- The responses of the lead agency to significant environmental points raised in the review and consultation process; and,
- Any other information added by the lead agency.

7.2 Public Participation Process

The Project was originally proposed as a 13.4 MG water storage tank and pipeline project. An Initial Study and Mitigated Negative Declaration was circulated for public review in October 2015. Nine comments were received. Subsequently, a decision was made to prepare an EIR. A Notice of Preparation (NOP) for the EIR was published by EMWD on November 25, 2015. The NOP was circulated to federal, State, and local agencies, as well as other interested parties, for a period of 36 days until December 30, 2015. The NOP presented an overview of the Project, and provided a brief and preliminary list of environmental resources that could be affected. A public scoping meeting was not held. Six comments were received from agencies and local citizens. The Draft EIR Appendix IS/NOP includes a copy of the NOP and as well as all written comments received on the NOP.

Once the Draft EIR was complete, a Notice of Completion was submitted to the Office of Planning and Research (OPR) as required by CEQA Guidelines Section 15085, along with CD copies of the Draft EIR for distribution to public agencies via the State Clearinghouse (CEQA Guidelines Section 15087(f)) (<https://ceqanet.opr.ca.gov/2015101020/3>). At the same time, a

Notice of Availability (NOA) of the Draft EIR was posted with the Riverside County Clerk (CEQA Guidelines Section 15087(d)). The NOA also was published in *The Press-Enterprise* on July 17, 2020 (per CEQA Guidelines Section 15087(a)). Printed copies of the Draft EIR were sent to the following public libraries¹ per CEQA Guidelines Section 15087(g) and the EMWD office: Perris Public Library, 163 E. San Jacinto, Perris, CA 92570; Sun City Public Library, 26982 Cherry Hills, Menifee, CA 92586; EMWD’s Office, 2270 Trumble Road Perris, CA 92572. Additionally, EMWD conducted a mailing of the NOA to interested parties and residents/occupants adjacent to the proposed water storage tank and transmission pipelines. The Draft EIR was also posted on EMWD’s website (<https://www.emwd.org/public-notice>). The Draft EIR was made available for public review from July 17, 2020 to August 31, 2020 for a total of 45 days as required by CEQA Guidelines Section 15105(a). One written comment letter was received by EMWD on the Draft EIR. The comment letter is included in Chapter 8 and the response is included in Chapter 9. No changes have been made to the Draft EIR as a result of comments received.

7.3 Final EIR Certification and Approval

As required by section 15088(b) of the CEQA Guidelines, EMWD will provide the Final EIR, which includes written responses to all comments, to commenters ten days in advance of the meeting at which the Board of Directors will consider certification of the EIR and approval of the Project.

Prior to considering the project for approval, EMWD will review and consider the information presented in the Final EIR and will certify that the Final EIR has been adequately prepared in accordance with CEQA. Once the Final EIR is certified, EMWD’s Board of Directors may proceed to consider project approval (CEQA Guidelines Section 15090; Section 15096(f)). Prior to approving the Project, EMWD must make written findings and adopt statements of overriding considerations for each unmitigated significant environmental effect identified in the Final EIR in accordance with Section 15091 of the CEQA Guidelines.

7.4 Notice of Determination

Pursuant to Section 15094 of the CEQA Guidelines, EMWD will file a Notice of Determination (NOD) with the State Clearinghouse and the Riverside County Clerk within five working days of project approval.

7.5 Mitigation Monitoring and Reporting Program

CEQA requires lead agencies to “adopt a program for monitoring or reporting on the revisions which it has required in the project and the measures it has imposed to mitigate or avoid significant environmental effects.” (CEQA Guidelines Section 15097). The mitigation measures included in the Mitigation Monitoring and Reporting Program (MMRP) are included in Chapter 10 to this Final EIR.

¹ In order to comply with COVID-19 social distancing requirements, in the event of the libraries’ closure, the Draft EIR was available online at the EMWD website.

CHAPTER 8

Comment Letters

This chapter contains the comment letter received on the Goetz Road Potable Water Storage Tank and Transmission Pipeline Project Draft EIR. The letter as well as individual comments within the letter have been given an assigned letter and number for cross-referencing. **Table 8-1** lists the comment letter received on the Draft EIR.

TABLE 8-1
LIST OF COMMENT LETTERS

Letter #	Commenter	Date of Comment
1	Rincon Band of Luiseño Indians	July 22, 2020

Rincon Band of Luiseño Indians

CULTURAL RESOURCES DEPARTMENT

One Government Center Lane | Valley Center | CA 92082
(760) 749-1051 | Fax: (760) 749-8901 | rincon-nsn.gov



July 22, 2020

Sent via email: ceqa@emwd.org
Eastern Municipal Water District
Joseph Broadhead
P.O. Box 8300
Perris, CA 92572

Re: Goetz Road Potable Water Storage Tank and Transmission Pipeline Project

Dear Mr. Broadhead,

This letter is written on behalf of the Rincon Band of Luiseño Indians (“Rincon Band” or “Band”), a federally recognized Indian Tribe and sovereign government. Thank you for providing us with the Notice of Intent to Adopt a Mitigated Negative Declaration (MND) for the above referenced project. The identified location is within the Territory of the Luiseño people, and is also within Rincon’s specific area of Historic interest.

We have reviewed the provided documents and we are in agreement with the measures to mitigate impacts to cultural resources, which include archaeological and Luiseño tribal monitoring, a monitoring report, and protocols for discovery of cultural material and human remains. We do request that the Rincon Band be notified of any changes in project plans. In addition, we request a copy of the final monitoring report, when available.

If you have additional questions or concerns, please do not hesitate to contact our office at your convenience at (760) 297-2635. Thank you for the opportunity to protect and preserve our cultural assets.

Sincerely,

Cheryl Madrigal
Tribal Historic Preservation Officer
Cultural Resources Manager

Bo Mazzetti
Chairman

Tishmall Turner
Vice Chair

Laurie E. Gonzalez
Council Member

Alfonso Kolb, Sr.
Council Member

John Constantino
Council Member

CHAPTER 9

Response to Comments

This chapter contains EMWD’s responses to ‘significant environmental points’ that were raised in comments received on the Goetz Road Potable Water Storage Tank and Transmission Pipeline Project Draft EIR, per CEQA Guidelines Section 15132(d). Each individual comment has been given an assigned number which can be cross-referenced to each comment letter included in Chapter 8.

Letter 1 Response

Rincon Band of Luiseño Indians July 22, 2020

1-1

The commenter states that the Project is located in the Territory of the Luiseño people and within the Rincon Band of Luiseño Indians’ (Rincon Band’s) specific area of historic interest. The commenter also states that the Tribe concurs with the mitigation measures included within the Draft EIR pertaining to cultural resources.

EMWD thanks the Rincon Band for their comments and appreciates the Tribe’s concurrence with Draft EIR Mitigation Measures CUL-1 through CUL-5. It should be noted that while the comment references a Mitigated Negative Declaration, the Project’s environmental document is an Environmental Impact Report. EMWD will continue to keep the Rincon Band aware of any changes to the project, and will submit the final monitoring report to the Tribe after construction is complete.

CHAPTER 10

Mitigation Monitoring and Reporting Program

The Mitigation Monitoring and Reporting Program (MMRP) for the Goetz Road Potable Water Storage Tank and Transmission Pipeline Project (Project) has been prepared in accordance with Public Resources Code Section 21081.6 and State CEQA Guidelines Section 15097. Eastern Municipal Water District (EMWD) will use this MMRP to track compliance with the Project mitigation measures. EMWD will consider the MMRP during the certification hearing for the Final EIR. The MMRP incorporates all mitigation measures adopted for the Project.

This MMRP summarizes potentially significant impacts and mitigation commitments identified in the EIR. **Table 10-1** provides the MMRP which includes all mitigation measures, monitoring process, monitoring timing, and responsible agency/entity for implementation. Impacts and mitigation measures are presented in the same order as in the EIR. The columns in the table provide the following information:

- **Mitigation Measures:** This column lists the action(s) that will be taken to reduce the impact.
- **Monitoring Process:** This column outlines the appropriate steps to implement and verify compliance with the mitigation measures.
- **Monitoring Timing:** This column indicates the general schedule for conducting each monitoring task, either prior to reconstruction, during construction, and/or after construction.
- **Responsible Agency/Entity:** This column lists the agency/entity responsible for ensuring implementation of the mitigation measure.

TABLE 10-1
MITIGATION MONITORING AND REPORTING PROGRAM FOR THE GOETZ ROAD POTABLE WATER STORAGE TANK AND TRANSMISSION PIPELINE PROJECT

Mitigation Measures	Monitoring Process	Monitoring Timing	Responsible Agency/Entity	Verification of Compliance (Date/Responsible Person)
Aesthetics				
<p>AES-1: During Project design, EMWD shall prepare a landscape plan that includes measures to provide vegetation screening to assist in shielding the proposed water storage tank and other on-site facilities from surrounding views. The landscaping plan would provide for tall growth trees and multi-level vegetation in between the storage tank and Goetz Road, Sotelo Road, and Our Way to buffer the water storage tank from adjacent public vantage points. The landscape plan shall also include restoration of disturbed areas by replanting trees and/or reseeding with a native seed mix typical of the surrounding area.</p>	<ul style="list-style-type: none"> • Include mitigation measure in design specifications and construction contractor specifications • Ensure landscaping plan has been implemented (tall growth trees and multi-level vegetation; restoration) • Retain a copy of design specifications and construction monitoring report in project file 	<ul style="list-style-type: none"> • During preparation of design contractor specifications and construction contractor specifications (mitigation measure in specifications) • During/after construction (implementation) • After construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer, Design Contractor, and Construction Contractor • EMWD Planner • EMWD Engineer 	
<p>AES-2: Aboveground buildings/structures shall be finished with a non-reflective material and painted with an earth-tone color to blend in with the surrounding landscape and vegetation.</p>	<ul style="list-style-type: none"> • Include mitigation measure in design specifications and construction contractor specifications • Ensure aboveground buildings/structures are finished with non-reflective material and painted in earth-tone colors • Retain a copy of design specifications and construction monitoring report in project file 	<ul style="list-style-type: none"> • During preparation of design contractor specifications and construction contractor specifications (mitigation measure in specifications) • After construction (implementation) • After construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer, Design Contractor, and Construction Contractor • EMWD Planner • EMWD Engineer 	
<p>AES-3: All new permanent exterior lighting associated with the proposed water storage tank shall be shielded and directed downward to avoid light spill onto neighboring parcels and visibility from surrounding public vantage points.</p>	<ul style="list-style-type: none"> • Include mitigation measure in design specifications and construction contractor specifications • Ensure all lighting is directed away from neighboring parcels • Retain a copy of design specifications in project file 	<ul style="list-style-type: none"> • During preparation of design contractor specifications (mitigation measure in specifications) • Periodic verification during operation (implementation) • During operation (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer, Design Contractor, and Construction Contractor • EMWD Planner • EMWD Engineer 	

Mitigation Measures	Monitoring Process	Monitoring Timing	Responsible Agency/Entity	Verification of Compliance (Date/Responsible Person)
<p>AES-4: The proposed water storage tank aboveground facilities shall be designed to include non-glare exterior materials and coatings to minimize glare or reflection. The paint used for this purpose should be low-luster (low reflectivity) so as to reduce glare.</p>	<ul style="list-style-type: none"> • Include mitigation measure in design specifications and construction contractor specifications • Ensure water tank is painted with non-glare materials • Retain a copy of design specifications and construction monitoring report in project file 	<ul style="list-style-type: none"> • During preparation of design contractor specifications and construction contractor specifications (mitigation measure in specifications) • After construction (implementation) • After construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer, Design Contractor, and Construction Contractor • EMWD Planner • EMWD Engineer 	
Air Quality				
<p>AQ-1: Prior to ground disturbing activities, EMWD shall require all diesel-fueled scrapers, graders, and pavers greater than 50 horsepower (hp) to meet USEPA Tier 3 off-road emission standards or equivalent. All other equipment greater than 50 hp shall meet the USEPA Tier 4 final off-road emission standards or equivalent. All equipment greater than 50 hp shall be outfitted with Best Available Control Technology (BACT) devices including a California Air Resources Board certified Level 3 Diesel Particulate Filter (DPF) or equivalent. Certification for all equipment, including certification of DPF installation for any Tier 3 equipment used, shall be maintained onsite. Additionally, the contractor may also limit the concurrent use of off-road construction vehicles used to install the pipeline and the tank and re-calculate the emissions to demonstrate the combined fleet would emit less than 100 pounds per day of NOx.</p>	<ul style="list-style-type: none"> • Include mitigation measure in construction contracting specifications • Conduct periodic monitoring of equipment as specified in measure • Retain construction monitoring report in project file 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specifications) • During construction (monitoring) • During/after construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer and Construction Contractor • EMWD Planner • EMWD Engineer 	
<p>AQ-2: Prior to ground disturbance, EMWD shall require certain types of off-road equipment to be electrified. Equipment that is to be electrified should, at a minimum, include all air compressors, all cranes, all plate compactors, and welders. Electricity or temporary electricity from SCE shall be used to provide electricity where feasible. If infeasible to connect to SCE for electricity during construction activities, a non-diesel powered generator shall be used. In addition, for sweepers and scrubbers, in lieu of meeting the Tier 3 or Tier 4 Final emissions standards requirements in Mitigation Measure AQ-1,</p>	<ul style="list-style-type: none"> • Include mitigation measure in construction contracting specifications • Conduct periodic monitoring of equipment as specified in measure • Retain construction monitoring report in project file 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specifications) • During construction (monitoring) • During/after construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer and Construction Contractor • EMWD Planner • EMWD Engineer 	

Mitigation Measures	Monitoring Process	Monitoring Timing	Responsible Agency/Entity	Verification of Compliance (Date/Responsible Person)
<p>such equipment may be alternative-fueled, such as CNG or other non-diesel fuel such as electricity, if Tier 3 or Tier 4 Final sweepers and scrubbers cannot be readily obtained.</p>				
Biological Resources				
<p>BIO-1: Special-Status and Narrow Endemic Plant Surveys. Prior to initiation of construction activities, focused surveys for special-status and MSHCP narrow endemic plant species shall be conducted within area that contain suitable habitat that will be directly disturbed. This includes the portion of the Proposed project that traverses through the Cimarron Ridge Development Project that were disturbed over four years ago that may now contain suitable habitat. The focused surveys must be conducted by a qualified botanist in accordance with the MCHCP requirements for conducting surveys for narrow and endemic plants, the 2001 CNPS Botanical Survey Guidelines (CNPS 2001), 2002 USFWS General Rare Plant Survey Guidelines (USFWS 2002) and <i>Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Sensitive Natural Communities</i> (CDFW, March 20, 2018).</p>	<ul style="list-style-type: none"> • Include mitigation measure in construction contracting specifications • Retain a qualified biologist to conduct survey • Retain copies of all surveys and reports in project file 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specifications) • Prior to ground-disturbing activity (survey) • Before construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer and Construction Contractor • EMWD Planner • EMWD Engineer 	
<p>BIO-2: Avoidance of Special-Status Plants. If narrow endemic species are observed during the focused surveys and found to be potentially impacted by the Project, the locations of special-status plants and/or MSHCP narrow endemic species within 25-feet of construction areas shall be identified and mapped. Individual plants shall be flagged for avoidance and an avoidance buffer of at least 10-feet comprised of temporary fence material shall be established around the plant(s). If avoidance is not feasible, no impacts may occur to the plants until avoidance or mitigation strategies are determined through consultation with the CDFW and/or RCA, such as relocation or restoration based on an approved Restoration Plan. If take of a federal- or State-listed species if unavoidable, take authorization shall be obtained from USFWS and/or CDFW prior to impacting the plant(s).</p>	<ul style="list-style-type: none"> • Include mitigation measure in construction contracting specifications • If species are found, identify and map all species within 25-feet of construction areas (flagging, 10-foot buffer) • Consult with CDFW and/or RCA and USFWS if special-status plants cannot be avoided • Retain copies of all surveys and reports in project file 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specifications) • Prior to construction (buffer establishment) • Prior to construction (agency consultation) • During/after construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer and Construction Contractor • EMWD Planner • EMWD Planner • EMWD Engineer 	

Mitigation Measures	Monitoring Process	Monitoring Timing	Responsible Agency/Entity	Verification of Compliance (Date/Responsible Person)
<p>BIO-3: Environmental Awareness Training. Prior to commencement of construction activities, a qualified biologist shall prepare a WEAP that provides a description of potentially-occurring special-status species that could be affected. The WEAP shall include information on identifying special-status species, and measures to avoid special-status species during construction activities, such as establishing an onsite speed limit of 15 miles per hour, covering trenches and open pits at the end of each workday, installing wildlife escape ramps in open trenches or pits, and daily trash and debris disposal from the Project site. The WEAP training shall be provided to all construction personnel by a qualified biologist. Completion of the WEAP training shall be documented for all construction personnel on a sign-in sheet that shall be onsite at all time during construction activities.</p>	<ul style="list-style-type: none"> • Include mitigation measure in construction contracting specifications • Retain a qualified biologist to prepare WEAP and conduct WEAP training • Retain documentation demonstrating the attendance of all construction personnel in training 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specifications) • Prior to ground-disturbing activities (WEAP) • During construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer and Construction Contractor • EMWD Planner • EMWD Engineer 	
<p>BIO-4: Preconstruction Habitat Assessment. Prior to initiating construction activities, a habitat assessment shall be conducted within the portions of the Project site that are located within the Cimarron Ridge Development Project that have not been assessed in over four years. The assessment shall be focused on identifying presence of suitable habitat for special-status plant and animal species identified in Tables 3.3-1 and 3.3-2. If suitable habitat is determined to present within areas that will be disturbed during construction activities, Mitigation Measure BIO-5 shall be implemented.</p>	<ul style="list-style-type: none"> • Include mitigation measure in construction contracting specifications • Retain a qualified biologist to conduct a habitat assessment of Project locations within the Cimarron Ridge Development Project • Retain copies of all surveys and reports in project file 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specifications) • Prior to ground-disturbing activity (survey) • During/after construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer and Construction Contractor • EMWD Planner • EMWD Engineer 	
<p>BIO-5: Pre-Construction Wildlife Surveys: If suitable habitat for special-status species is determined to be present within areas that will be disturbed during construction activities, preconstruction surveys for special-status wildlife shall be conducted by a qualified biologist prior to the start of ground-disturbing activities. The pre-construction survey shall focus on those species having potential to occur, including American badger, San Diego black-tailed jackrabbit, coast horned lizard, orange-throated whiptail and red diamond rattlesnake, Dulzura pocket mouse, northwestern San Diego pocket mouse,</p>	<ul style="list-style-type: none"> • Include mitigation measure in construction contracting specifications • Retain a qualified biologist to conduct survey; for Stephens's kangaroo rat retain a USFWS-permitted (10(a)(1)(A)) biologist • If special-status species cannot be avoided, consult with CDFW and/or USFWS 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specifications) • Prior to ground-disturbing activity (survey) • Prior to ground-disturbing activity (consult with agencies) 	<ul style="list-style-type: none"> • EMWD Engineer and Construction Contractor • EMWD Planner • EMWD Planner • EMWD Engineer 	

Mitigation Measures	Monitoring Process	Monitoring Timing	Responsible Agency/Entity	Verification of Compliance (Date/Responsible Person)
Stephens's kangaroo rat and Los Angeles pocket mouse. For listed species, including Stephens's kangaroo rat, surveys shall be conducted by a USFWS-permitted (10(a)(1)(A)) biologist in accordance with USFWS survey protocols. If a special-status species is identified to be present during the preconstruction survey, and impacts cannot be avoided, consultation with CDFW and/or USFWS shall be conducted to determine avoidance or mitigation measures. Construction activities shall not commence until take authorization by CDFW and/or USFWS is provided.	<ul style="list-style-type: none"> Retain copies of all surveys and reports in project file 	<ul style="list-style-type: none"> During/after construction (retain documentation) 		
BIO-6: Wildlife Avoidance Plan: If a special-status species is determined to be present within areas that will be directly impacted by Project-related construction activities, a Wildlife Avoidance Plan shall be prepared by a qualified biologist that identifies measures to avoid species-status wildlife, such as establishment of avoidance buffers, exclusionary fencing, monitoring, and relocation. The Plan shall be approved by CDFW prior to initiation of construction activities. The Plan shall identify biologist qualifications, handling methods, and identification of relocation sites.	<ul style="list-style-type: none"> Include mitigation measure in construction contracting specifications If special-status species are present in Project areas, retain a qualified biologist to prepare a Wildlife Avoidance Plan that is approved by CDFW Retain copies of all surveys and reports in project file 	<ul style="list-style-type: none"> During preparation of construction contractor specifications (mitigation measure in specifications) Prior to ground-disturbing activities (prepare plan) During/after construction (retain documentation) 	<ul style="list-style-type: none"> EMWD Engineer and Construction Contractor EMWD Planner EMWD Engineer EMWD Planner EMWD Engineer 	
BIO-7: Habitat Assessment and Protocol Surveys for Burrowing Owl. Prior to commencement of construction activities, focused surveys for burrowing owl shall be conducted in areas that contain suitable habitat for the species that would be directly impacted, such as portions of the Project that occur with the Cimarron Ridge Development Project that have not been assessed since 2015. If suitable habitat is determined to be present in such areas, a protocol survey shall be conducted by a qualified biologist following the CDFW Staff Report on Burrowing Owl Mitigation (CDFW 2012) on EMWD-owned parcels, and following the Burrowing Owl Survey Instructions for the Western Riverside Multiple Species Habitat Conservation Plan Area (RCA 2006) on all other properties containing suitable habitat that are not owned by EMWD.	<ul style="list-style-type: none"> Include mitigation measure in construction contracting specifications Retain a qualified biologist to conduct focused protocol survey for burrowing owl in areas with suitable habitat If burrowing owl is observed, implement avoidance measures (which could include avoidance of the breeding season, establishment of a 300-foot buffer, exclusion/ relocation) If burrowing owl would be impacted by construction, prepare a Burrow Exclusion Plan approved by CDFW 	<ul style="list-style-type: none"> During preparation of construction contractor specifications (mitigation measure in specifications) Prior to ground-disturbing activities (survey) Prior to and during ground-disturbing activities (avoidance measures) Prior to and during ground-disturbing activities (exclusion plan and consultation) 	<ul style="list-style-type: none"> EMWD Engineer and Construction Contractor EMWD Planner EMWD Planner EMWD Planner 	

Mitigation Measures	Monitoring Process	Monitoring Timing	Responsible Agency/Entity	Verification of Compliance (Date/Responsible Person)
<p>If a burrowing owl is observed during the focused surveys where construction activities would occur, avoidance and mitigation measures shall be established and approved by CDFW and/or RCA, respectively, prior to commencement of construction activities. Avoidance of burrowing owls can be achieved by avoiding construction activities during the breeding season (February 1 to August 31), establishing a minimum 300-foot buffer around an active burrow comprised of orange mesh drift fencing or temporary chain-link fencing, or excluding and relocating owls based on coordination with CDFW. If a burrowing owl may be impacted during construction activities, a Burrow Exclusion Plan approved by CDFW and/or RCA shall be prepared by a qualified biologist that identifies methods for excluding burrowing owls from the site, relocation methods, and identification of recipient sites. Permanent impacts to land that supports burrowing owls may require conservation of mitigation lands to offset the impact to burrowing owl and its habitat. The conservation of mitigation lands will be determined through consultation with CDFW and/or the RCA depending on the ownership of the occupied land, which shall be established and approved prior to commencement of construction activities.</p>	<p>and/or RCA and consult with agencies</p> <ul style="list-style-type: none"> Retain copies of all surveys and reports in project file 	<ul style="list-style-type: none"> During/after construction (retain documentation) 	<ul style="list-style-type: none"> EMWD Engineer 	
<p>BIO-8: Nesting Bird and Raptor Avoidance. To avoid potential impacts to nesting birds, including California horned lark, vegetation removal and/or ground disturbance shall be timed to occur between September 1 and January 31, which is outside of the typical nesting season for birds in the region. If vegetation removal and/or ground disturbances must occur during the typical nesting season (February 1 – August 31), a qualified biologist shall conduct a preconstruction survey for active nests within areas that will be subject to vegetation removal and/or ground disturbances, including an approximate 300-foot buffer to identify active nests that could be indirectly impacted during construction by noises and vibrations generated from construction equipment. Buffer distances may be adjusted at the discretion of a qualified biologist based on the location of the nest,</p>	<ul style="list-style-type: none"> Include mitigation measure in construction contracting specifications If construction occurs between February and August, retain a qualified biologist to conduct nesting bird survey If active nests are found, establish 300-foot buffer around active nests within which construction activities should be avoided Retain copies of all surveys and reports in project file 	<ul style="list-style-type: none"> During preparation of construction contractor specifications (mitigation measure in specifications) Prior to construction (survey) Prior to construction (buffer establishment) Prior/during construction (retain documentation) 	<ul style="list-style-type: none"> EMWD Engineer and Construction Contractor EMWD Planner EMWD Planner EMWD Engineer 	

Mitigation Measures	Monitoring Process	Monitoring Timing	Responsible Agency/Entity	Verification of Compliance (Date/Responsible Person)
<p>species, surrounding land uses, and the type of constriction that will be occurring in the area.</p> <p>Construction activities shall be avoided within the buffer, unless otherwise approved by a qualified biologist. The buffer shall be delineated with exclusionary fencing or flagging to prevent the nest from being inadvertently impacted, and shall remain in place until the nest is no longer active as determined by the biologist.</p>				
<p>BIO-9: Western Riverside MSHCP. Focused rare plant and burrowing owl surveys shall be conducted to verify if any narrow endemic plant species and burrowing owl are present that may be effected by construction activities. In accordance with the MSHCP, the Project shall demonstrate consistency on non-EMWD owned properties through the preparation of a MSHCP Consistency Analysis Report. A DBESP Report will be required if rare plants or burrowing owls are detected and impacts are unavoidable. The DBESP will need to include a discussion of why avoidance is not feasible, including minimization measures for addressing potential indirect impacts, mitigation that will offset the Project's impacts, and a determination that mitigation proposed is biologically equivalent or superior. A DBESP, should it be required, must be prepared when the project is finalized and any replacement land required shall be determined prior to the issuance of a grading permit. Both the Consistency Analysis and DBESP will be reviewed and approved by the RCA and/or wildlife agencies prior to issuance of a grading permit.</p> <p>In addition, the Project shall follow guidelines listed under Section 7.5.3 of the MSHCP as well as standard BMPs listed under Appendix C of the MSHCP during construction and operations activities. The following guidelines and BMPs shall be implemented in accordance with MSCHP Section 7.5.3.</p> <ul style="list-style-type: none"> Timing of construction activities will consider seasonal requirements for breeding birds and migratory non-resident species. Habitat clearing 	<ul style="list-style-type: none"> Include mitigation measure in construction contracting specifications Prepare a DBESP Report if rare plants or burrowing owls are detected and impacts are unavoidable (see BIO-1, BIO-2, and BIO-7) Implement BMPs Retain copies of all surveys and reports in project file 	<ul style="list-style-type: none"> During preparation of construction contractor specifications (mitigation measure in specifications) Prior to issuance of a grading permit (report) During construction (BMPs) Prior/during construction (retain documentation) 	<ul style="list-style-type: none"> EMWD Engineer and Construction Contractor EMWD Planner EMWD Planner EMWD Engineer 	

Mitigation Measures	Monitoring Process	Monitoring Timing	Responsible Agency/Entity	Verification of Compliance (Date/ Responsible Person)
<p>will be avoided during species active breeding season defined as March 1 to June 30.</p> <ul style="list-style-type: none"> • The footprint of disturbance will be minimized to the maximum extent Feasible. Access to sites will occur on pre-existing access routes to the greatest extent possible. • Equipment storage, fueling and staging areas will be sited on non-sensitive upland Habitat types with minimal risk of direct discharge into riparian areas or other sensitive Habitat types. • Exotic species removed during construction will be properly handled to prevent sprouting or regrowth. • Training of construction personnel will be provided. • Ongoing monitoring and reporting will occur for the duration of the construction activity to ensure implementation of best management practices. • When work is conducted during the fire season (as identified by the Riverside County Fire Department) adjacent to coastal sage scrub or chaparral vegetation, appropriate fire-fighting equipment (e.g., extinguishers, shovels, water tankers) shall be available on the site during all phases of project construction to help minimize the chance of human-caused wildfires. Shields, protective mats, and/or other fire preventative methods shall be used during grinding, welding, and other spark-inducing activities. Personnel trained in fire hazards, preventative actions, and responses to fires shall advise contractors regarding fire risk from all construction-related activities. • Active construction areas shall be watered regularly to control dust and minimize impacts to adjacent vegetation. • All equipment maintenance, staging, and dispensing of fuel, oil, coolant, or any other toxic substances shall occur only in designated areas within the proposed grading limits of the project site. These designated areas shall be clearly 				

Mitigation Measures	Monitoring Process	Monitoring Timing	Responsible Agency/Entity	Verification of Compliance (Date/Responsible Person)
<p>marked and located in such a manner as to contain run-off.</p> <ul style="list-style-type: none"> Waste, dirt, rubble, or trash shall not be deposited in the Conservation Area or on native habitat. <p>The following BMPs that are applicable to the Project shall be implemented in accordance with Appendix C of the MSHCP:</p> <ul style="list-style-type: none"> A condition shall be placed on grading permits requiring a qualified biologist to conduct a training session for project personnel prior to grading. The training shall include a description of the species of concern and its habitats, the general provisions of the Endangered Species Act (Act) and the MSHCP, the need to adhere to the provisions of the Act and the MSHCP, the penalties associated with violating the provisions of the Act, the general measures that are being implemented to conserve the species of concern as they relate to the project, and the access routes to and project site boundaries within which the project activities must be accomplished. The footprint of disturbance shall be minimized to the maximum extent feasible. Access to sites shall be via pre-existing access routes to the greatest extent possible. Projects that cannot be conducted without placing equipment or personnel in sensitive habitats should be timed to avoid the breeding season of riparian identified in MSHCP Global Species Objective No. 7. Equipment storage, fueling, and staging areas shall be located on upland sites with minimal risks of direct drainage into riparian areas or other sensitive habitats. These designated areas shall be located in such a manner as to prevent any runoff from entering sensitive habitat. Necessary precautions shall be taken to prevent the release of cement or other toxic substances into surface waters. Project related spills of hazardous materials shall be reported to 				

Mitigation Measures	Monitoring Process	Monitoring Timing	Responsible Agency/Entity	Verification of Compliance (Date/Responsible Person)
<p>appropriate entities including but not limited to applicable jurisdictional city, USFWS, and CDFW, RWQCB and shall be cleaned up immediately and contaminated soils removed to approved disposal areas.</p> <ul style="list-style-type: none"> • The qualified project biologist shall monitor construction activities for the duration of the project to ensure that practicable measures are being employed to avoid incidental disturbance of habitat and species of concern outside the project footprint. • The removal of native vegetation shall be avoided and minimized to the maximum extent practicable. Temporary impacts shall be returned to pre-existing contours and revegetated with appropriate native species. • Exotic species that prey upon or displace target species of concern should be permanently removed from the site to the extent feasible. • To avoid attracting predators of the species of concern, the project site shall be kept as clean of debris as possible. All food related trash items shall be enclosed in sealed containers and regularly removed from the site(s). • Construction employees shall strictly limit their activities, vehicles, equipment, and construction materials to the proposed project footprint and designated staging areas and routes of travel. The construction area(s) shall be the minimal area necessary to complete the project and shall be specified in the construction plans. Construction limits will be fenced with orange snow screen. Exclusion fencing should be maintained until the completion of all construction activities. Employees shall be instructed that their activities are restricted to the construction areas. • The Permittee shall have the right to access and inspect any sites of approved projects including any restoration/enhancement area for 				

Mitigation Measures	Monitoring Process	Monitoring Timing	Responsible Agency/Entity	Verification of Compliance (Date/Responsible Person)
<p>compliance with project approval conditions including these BMPs.</p>				
<p>BIO-10: SKR HCP. A USFWS-permitted biologist shall conduct preconstruction surveys for the Stephens's kangaroo rat in areas determined to provide suitable habitat that would be disturbed during construction activities. Burrows determined to be occupied by Stephens's kangaroo rat presents shall be avoided with the establishment of a minimum 50-foot buffer zone approved by USFWS and CDFW. The buffer zone shall be enclosed with orange drift fencing material or temporary chain-link fence to limit access where occupied burrows occur. Where avoidance of Stephens's kangaroo rat is infeasible, prior to construction-related activities, EMWD shall consult with the RCA, CDFW and/or USFWS to determine adequate compensatory mitigation, such as purchasing credits at an approved mitigation bank or restoration.</p>	<ul style="list-style-type: none"> • Include mitigation measure in construction contracting specifications • Retain a USFWS-permitted biologist to conduct preconstruction surveys for the Stephens's kangaroo rat • If burrows are occupied, establish 50-foot buffer zone and appropriate flagging measures • If avoidance of species is infeasible, consult with the RCA, CDFW and/or USFWS to determine adequate compensatory mitigation • Retain copies of all surveys and reports in project file 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specifications) • Prior to construction activities (survey) • Prior to and during construction activities (buffer) • Prior to construction activities (consultation) • During/after construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer and Construction Contractor • EMWD Planner • EMWD Planner • EMWD Planner • EMWD Engineer 	
Cultural Resources				
<p>CUL-1: Prior to earth moving activities, a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (U.S. Department of the Interior 2008) shall conduct cultural resources sensitivity training for all construction personnel. Construction personnel shall be informed of the types of cultural resources that may be encountered, and of the proper procedures to be enacted in the event of an inadvertent discovery of archaeological resources or human remains. EMWD shall ensure that construction personnel are made available for and attend the training and retain documentation demonstrating attendance.</p>	<ul style="list-style-type: none"> • Include mitigation measure in construction contracting specifications • Retain a qualified archaeologist to conduct cultural resources sensitivity training for all construction personnel • Retain documentation demonstrating the attendance of all construction personnel in training 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specifications) • Prior to ground-disturbing activities (sensitivity training) • During construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer and Construction Contractor • EMWD Planner • EMWD Engineer 	

Mitigation Measures	Monitoring Process	Monitoring Timing	Responsible Agency/Entity	Verification of Compliance (Date/Responsible Person)
<p>CUL-2: Prior to the start of any ground-disturbing activities, EMWD shall retain an archaeological monitor and a Consulting Tribe (s) monitor to observe all ground-disturbing activities. Archaeological monitoring shall be conducted by a monitor familiar with the types of archaeological resources that could be encountered and shall work under the direct supervision of the qualified archaeologist. Monitoring may be reduced or discontinued by the qualified archaeologist, in coordination with EMWD, based on observations of subsurface soil stratigraphy. Both the archaeological and Tribal monitors shall be empowered to halt or redirect ground-disturbing activities away from the vicinity of a discovery until the qualified archaeologist has evaluated the discovery and determined appropriate treatment in coordination with the Tribe. The monitors shall keep daily logs detailing the types of activities and soils observed, and any discoveries. After monitoring has been completed, the qualified archaeologist shall prepare a monitoring report that details the results of monitoring. The report shall be submitted to EMWD</p>	<ul style="list-style-type: none"> • Include mitigation measure in construction contracting specifications • Retain an archaeological monitor to conduct monitoring of all ground disturbance • Require daily logs and a final monitoring report, that shall be submitted to EMWD, Native American groups, and EIC. 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specifications) • Prior to ground-disturbing activities (retain monitor) • After construction (daily logs, monitoring report, etc.) 	<ul style="list-style-type: none"> • EMWD Engineer and Construction Contractor • EMWD Planner • EMWD Engineer 	
<p>CUL-3: Prior to the start of any ground-disturbing activities, EMWD shall retain a Native American monitor to observe all ground-disturbing activities. The monitor shall be obtained from a Tribe that is traditionally and culturally affiliated with the area, according to the NAHC list. The monitor shall be empowered to halt or redirect ground-disturbing activities away from the vicinity of a discovery until the qualified archaeologist has evaluated the discovery and determined appropriate treatment. Monitoring may be reduced or discontinued, in coordination with EMWD and the qualified archaeologist, based on observations of subsurface soil stratigraphy.</p>	<ul style="list-style-type: none"> • Include mitigation measure in construction contracting specifications • Retain a Native American monitor to conduct monitoring of all ground disturbance • Retain documentation demonstrating the attendance of all construction personnel in training 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specification) • Prior to ground-disturbing activities (retain monitor) • After construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer and Construction Contractor • EMWD Planner • EMWD Engineer 	

Mitigation Measures	Monitoring Process	Monitoring Timing	Responsible Agency/Entity	Verification of Compliance (Date/Responsible Person)
<p>CUL-4: In the event of the discovery of archaeological materials, EMWD or its contractor shall immediately cease all work activities in the area (within approximately 100 feet) of the discovery until it can be evaluated by the qualified archaeologist. Prehistoric archaeological materials might include obsidian and chert flaked-stone tools (e.g., projectile points, knives, scrapers) or tool-making debris; culturally darkened soil (“midden”) containing heat-affected rocks, artifacts, or shellfish remains; and stone milling equipment (e.g., mortars, pestles, handstones, or milling slabs); and battered stone tools, such as hammerstones and pitted stones. Historic-period materials might include stone or concrete footings and walls; filled wells or privies; and deposits of metal, glass, and/or ceramic refuse. Construction shall not resume until the qualified archaeologist has conferred with EMWD on the significance of the resource.</p> <p>If it is determined that the discovered archaeological resource constitutes a historical resource under CEQA, avoidance and preservation in place shall be the preferred manner of mitigation. Preservation in place maintains the important relationship between artifacts and their archaeological context and also serves to avoid conflict with traditional and religious values of groups who may ascribe meaning to the resource. Preservation in place may be accomplished by, but is not limited to, avoidance, incorporating the resource into open space, capping, or deeding the site into a permanent conservation easement. In the event that preservation in place is demonstrated to be infeasible and data recovery through excavation is the only feasible mitigation available, an Archaeological Resources Treatment Plan that provides for the adequate recovery of the scientifically consequential information contained in the archaeological resource shall be prepared and implemented by the qualified archaeologist in consultation with EMWD. The appropriate Native American representatives shall be consulted in determining treatment for prehistoric or Native American resources to ensure cultural values ascribed to the resource, beyond that which is</p>	<ul style="list-style-type: none"> • Include mitigation measure in construction contracting specifications • Halt work within 100 feet if an archaeological resource is found • If any resources are found, retain a qualified archaeologist to prepare an Archaeological Resources Treatment Plan, and consult with appropriate native American representatives • If any resources are found, document and retain records regarding discovery of archaeological resources 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specifications) • During construction (halt work) • During construction (prepare plan) • During/after construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer and Construction Contractor • EMWD Planner and Construction Contractor • EMWD Planner • EMWD Engineer 	

Mitigation Measures	Monitoring Process	Monitoring Timing	Responsible Agency/Entity	Verification of Compliance (Date/Responsible Person)
<p>scientifically important, are considered. In the event that on-site reburial is not feasible, EMWD will enter into a curation agreement with an appropriate qualified repository within Riverside County that meets federal standards per 36 Code of Federal Regulations 800 Part 79, if one will accept the collection, and therefore would be curated and made available to other archaeologists/ researchers for further study. If the collection is not accepted by a curation center with federal standards the collection(s) may be curated at a local facility, donated to tribes, or local historical societies. The collections and associated records shall be transferred, including title, to an appropriate curation facility within Riverside County, to be accompanied by payment of the fees necessary for permanent curation. All reports, DPR 523 forms, and catalogs, shall be filed with the EIC.</p>				
<p>CUL-5: If Native American human remains are encountered, Public Resources Code Section 5097.98 and California Health and Safety Code Section 7050.5 will be followed. If human remains are encountered no further disturbance shall occur until the Riverside County Coroner has made the necessary findings as to origin. Further, pursuant to California Public Resources Code Section 5097.98(b), remains shall be left in place and free from disturbance until a final decision as to the treatment and disposition has been made. If the Riverside County Coroner determines the remains to be Native American, the coroner shall contact the NAHC within 24 hours. Subsequently, the NAHC shall identify the person or persons it believes to be the "most likely descendant." The most likely descendant shall then make recommendations and engage in consultations concerning the treatment of the remains as provided in Public Resources Code Section 5097.98.</p>	<ul style="list-style-type: none"> • Include mitigation measure in construction contracting specifications • If human remains are found, coordinate with Riverside County Coroner, and contact the NAHC if applicable • NAHC shall notify most likely descendant, if applicable • Document and retain records regarding discovery of human remains in project file 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specifications) • During construction (contact agencies) • During construction (contact agencies) • During/after construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer and Construction Contractor • EMWD Planner • NAHC • EMWD Engineer 	

Mitigation Measures	Monitoring Process	Monitoring Timing	Responsible Agency/Entity	Verification of Compliance (Date/Responsible Person)
Geology, Soils, and Seismicity				
<p>GEO-1: A qualified paleontologist meeting the Society of Vertebrate Paleontology (SVP) Standards (SVP 2010) (Qualified Paleontologist) shall be retained prior to the approval of demolition or grading permits to produce a Paleontological Resource Monitoring and Mitigation Plan for the Project. The Plan shall include monitoring specifications based on location and sediments within the Project Site and the type of ground disturbance planned for each portion of the alignment. The plan will also include mapping of the alignment to visually highlight the locations requiring monitoring. The plan will further identify locations for sediment sampling and procedures for communication and collection and recordation protocol of findings. The Qualified Paleontologist shall provide technical and compliance oversight of all work as it relates to paleontological resources, shall attend the Project kick-off meeting and Project progress meetings on a regular basis, and shall report to the Project area in the event potential paleontological resources are encountered.</p>	<ul style="list-style-type: none"> • Include mitigation measure in construction contracting specifications • Retain a Qualified Paleontologist to prepare a Paleontological Resource Monitoring and Mitigation Plan • Retain copies of all surveys and reports in project file 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specifications) • Prior to the approval of demolition or grading permits (prepare plan) • Before construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer and Construction Contractor • EMWD Planner • EMWD Engineer 	
<p>GEO-2: The Qualified Paleontologist shall conduct construction worker paleontological resources sensitivity training prior to the start of ground disturbing activities (including vegetation removal, pavement removal, etc.). In the event construction crews are phased, additional trainings shall be conducted for new construction personnel. The training session shall focus on the recognition of the types of paleontological resources that could be encountered within the Project area and the procedures to be followed if they are found. Documentation shall be retained by the Qualified Paleontologist demonstrating that the appropriate construction personnel attended the training.</p>	<ul style="list-style-type: none"> • Include mitigation measure in construction contractor specifications • Retain a Qualified Paleontologist to conduct paleontological sensitivity training for all construction personnel • Retain documentation demonstrating the attendance of all construction personnel in training 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specifications) • Prior to ground-disturbing activities (sensitivity training) 	<ul style="list-style-type: none"> • EMWD Engineer and Construction Contractor • EMWD Planner • EMWD Engineer 	

Mitigation Measures	Monitoring Process	Monitoring Timing	Responsible Agency/Entity	Verification of Compliance (Date/Responsible Person)
<p>GEO-3: Paleontological resources monitoring shall be performed by a qualified paleontological monitor (meeting the standards of the SVP 2010) under the direction of the Qualified Paleontologist within the Qvof alluvial fan sediments. Paleontological resources monitoring shall be conducted for all ground disturbing activities in previously undisturbed alluvial fan sediments as described and mapped in the monitoring and mitigation plan. Sediment samples shall be tested for the presence of microvertebrate fossils. However, depending on the conditions encountered, full-time monitoring within these sediments can be reduced to part-time inspections or ceased entirely if determined adequate by the Qualified Paleontologist. The Qualified Paleontologist shall spot check the excavation on an intermittent basis and recommend whether the depth of required monitoring should be revised based on his/her observations. Monitors shall have the authority to temporarily halt or divert work away from exposed fossils or potential fossils. Monitors shall prepare daily logs detailing the types of activities and soils observed, and any discoveries.</p>	<ul style="list-style-type: none"> • Include mitigation measure in construction contractor specifications • Retain a Qualified Paleontologist to conduct monitoring during construction within the Qvof alluvial fan sediments • Retain copies of all surveys and reports in project file 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specifications) • During ground-disturbing activities (monitoring) • During/after construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer and Construction Contractor • EMWD Planner • EMWD Engineer 	
<p>GEO-4: Any significant fossils collected during project-related excavations shall be prepared to the point of identification and curated into an accredited repository with retrievable storage. The Qualified Paleontologist shall prepare a final monitoring and mitigation report for submittal to EMWD in order to document the results of the monitoring effort and any discoveries. If there are significant discoveries, fossil locality information and final disposition will be included with the final report which will be submitted to the appropriate repository and EMWD.</p>	<ul style="list-style-type: none"> • Include mitigation measure in construction contracting specifications • Retain a Qualified Paleontologist to prepare a final monitoring and mitigation report for submittal to EMWD • Retain construction monitoring report in project file 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specifications) • After construction (prepare report) • After construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer and Construction Contractor • EMWD Planner • EMWD Engineer 	

Mitigation Measures	Monitoring Process	Monitoring Timing	Responsible Agency/Entity	Verification of Compliance (Date/Responsible Person)
Hazards and Hazardous Materials				
<p>HAZ-1: Implement Fire Hazard Reduction Measures. During construction of facilities located in areas designated high or very high fire hazard severity zone by CALFIRE, EMWD shall require that all staging areas, welding areas, or areas slated for development using spark-producing equipment shall be cleared of dried vegetation or other material that could ignite. Any construction equipment that includes a spark arrestor shall be equipped with a spark arrestor in good working order. During the construction of the Proposed Project facilities, contractors shall require all vehicles and crews to have access to functional fire extinguishers at all times. In addition, construction crews shall have a spotter during welding activities to look out for potentially dangerous situations, including accidental sparks.</p>	<ul style="list-style-type: none"> • Include mitigation measure in construction contracting specifications • In high or very high fire hazard severity areas, conduct periodic monitoring to ensure all work areas shall be cleared of vegetation • Conduct periodic monitoring of construction equipment as specified in measure • Retain construction monitoring report in project file 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specifications) • During construction (monitoring) • During construction (monitoring) • During/after construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer and Construction Contractor • EMWD Planner • EMWD Planner • EMWD Engineer 	
Implementation of TRAF-1 (see below).	<ul style="list-style-type: none"> • See below. 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • 	
Noise				
<p>Mitigation Measure NOISE-1: The following mitigation measures are recommended to minimize the noise impacts near the water storage tank site:</p> <ul style="list-style-type: none"> • For water storage tank construction activities, the contractor shall provide a minimum 8-foot-tall temporary noise barrier around the tank site between the adjacent receivers to the north, west, and south with a performance standard of achieving a minimum 10 dBA noise level reduction at the residential receptors to the north, south, and west. • Notice should be sent out to residences within 1,000 feet of the water storage tank site at least 10 days prior to the occurrence of blasting. 	<ul style="list-style-type: none"> • Include mitigation measure in construction contracting specifications • Conduct periodic monitoring to ensure noise generated from construction of the storage tank is attenuated to at least a 10 dBA reduction from noise barrier • Notify residents within 1,000 feet of water storage tank of blasting activities • Retain construction monitoring report in project file 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specifications) • During construction (monitoring) • 10 days before construction (notification) • After construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer and Construction Contractor • EMWD Planner • EMWD Planner • EMWD Engineer 	

Mitigation Measures	Monitoring Process	Monitoring Timing	Responsible Agency/Entity	Verification of Compliance (Date/Responsible Person)
<p>Mitigation Measure NOISE-2: In coordination with the City of Perris and City of Menifee, construction contractors shall implement the following:</p> <ul style="list-style-type: none"> • Signs shall be posted at the construction sites that include permitted construction days and hours, a day and evening contact number for the job site, and an EMWD contact number in the event of problems. • An on-site complaint and enforcement manager shall respond to and track complaints and questions related to noise. 	<ul style="list-style-type: none"> • Include mitigation measure in construction contracting specifications • Conduct periodic monitoring to ensure signs are posted at construction sites with required noise-related information • Conduct periodic monitoring of on-site enforcement manager • Retain construction monitoring report in project file 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specifications) • During construction (monitoring) • During construction (enforcement manager) • During/after construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer and Construction Contractor • EMWD Planner • EMWD Planner • EMWD Engineer 	
<p>Mitigation Measure NOISE-3: To reduce noise impacts due to construction, EMWD shall require construction contractors to implement the following BMP measures:</p> <ul style="list-style-type: none"> • During construction, the contractor shall outfit all equipment, fixed or mobile, with properly operating and maintained exhaust and intake mufflers, consistent with manufacturers' standards. • Impact tools (e.g., jack hammers, pavement breakers) used for construction shall be hydraulically or electrically powered wherever possible to avoid noise associated with compressed air exhaust from pneumatically powered tools. Where use of pneumatic tools is unavoidable, an exhaust muffler on the compressed air exhaust shall be used. External jackets on the tools themselves shall be used where feasible. <p>Stationary noise sources that could affect adjacent receptors shall be located as far from adjacent receptors as possible.</p>	<ul style="list-style-type: none"> • Include mitigation measure in design specifications • Conduct periodic monitoring of BMPs • Retain a copy of design specifications in project file 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specifications) • During construction (monitoring) • During/after construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer and Design Contractor • EMWD Planner • EMWD Engineer 	

Mitigation Measures	Monitoring Process	Monitoring Timing	Responsible Agency/Entity	Verification of Compliance (Date/Responsible Person)
Transportation				
<p>TRA-1: Prior to the start of construction, EMWD shall require the construction contractor to prepare and have approved a Traffic Control Plan. The Traffic Control Plan will show all signage, striping, delineated detours, flagging operations, and any other devices that will be used during construction to guide motorists, bicyclists, and pedestrians safely through the construction area and allow for adequate access and circulation to the satisfaction of the City of Perris, City of Menifee, and Riverside County, as applicable. The Traffic Control Plan shall be prepared in accordance with the City of Perris' and City of Menifee's traffic control guidelines and will be prepared to ensure that access will be maintained to individual properties, and that emergency access will not be restricted. Additionally, the Traffic Control Plan will ensure that congestion and traffic delays are not substantially increased as a result of the construction activities. Further, the Traffic Control Plan will include detours or alternative routes for bicyclists using on-street bicycle lanes as well as for pedestrians using adjacent sidewalks.</p> <p>EMWD shall provide written notice at least two weeks prior to the start of construction to owners/occupants along streets to be affected during construction.</p> <p>During construction, EMWD will maintain continuous vehicular and pedestrian access to any affected residential driveways from the public street to the private property line, except where necessary construction precludes such continuous access for reasonable periods of time. Access will be reestablished at the end of the workday. If a driveway needs to be closed or interfered with as described above, EMWD shall notify the owner or occupant of the closure of the driveway at least five working days prior to the closure. The Traffic Control Plan shall include provisions to ensure that the construction of the Project does not interfere unnecessarily with the work of other agencies such as mail delivery, school buses, and municipal waste services.</p>	<ul style="list-style-type: none"> • Include mitigation measure in construction contracting specifications • Prepare Traffic Control Plan • Provide written notice at least two weeks prior to the start of construction to owners/occupants along roadways to be affected during construction • Conduct periodic monitoring of Traffic Control Plan requirements during construction, including notification to owners/occupants affected by road closures • Retain copy of Traffic Control Plan in project file 	<ul style="list-style-type: none"> • During preparation of construction contractor specifications (mitigation measure in specifications) • Prior to construction (Traffic Control Plan) • Prior to construction (notification) • During construction (monitoring) • During/after construction (retain documentation) 	<ul style="list-style-type: none"> • EMWD Engineer and Construction Contractor • EMWD Engineer and Construction Contractor • EMWD Planner • EMWD Planner • EMWD Engineer 	

Mitigation Measures	Monitoring Process	Monitoring Timing	Responsible Agency/Entity	Verification of Compliance (Date/ Responsible Person)
<p>EMWD shall also notify local emergency responders of any planned partial or full lane closures or blocked access to roadways or driveways required for project construction. Emergency responders include fire departments, police departments, and ambulances that have jurisdiction within the project area. Written notification and disclosure of lane closure location must be provided at least 30 days prior to the planned closure to allow emergency response providers adequate time to prepare for lane closures.</p>				
