

Summary Form for Electronic Document Submittal

Form F

Lead agencies may include 15 hardcopies of this document when submitting electronic copies of Environmental Impact Reports, Negative Declarations, Mitigated Negative Declarations, or Notices of Preparation to the State Clearinghouse (SCH). The SCH also accepts other summaries, such as EIR Executive Summaries prepared pursuant to CEQA Guidelines Section 15123. Please include one copy of the Notice of Completion Form (NOC) with your submission and attach the summary to each electronic copy of the document.

SCH #: _____

Project Title: JCSD 2020 Water Master Plan and 2020 Wastewater Master Plan Facilities

Lead Agency: Jurupa Community Services District

Contact Name: Eddie Rhee

Email: ERhee@JCSD.US Phone Number: (951) 685-7434

Project Location: Cities of Eastvale and Jurupa Valley Riverside
City *County*

Project Description (Proposed actions, location, and/or consequences).

See attachment.

Identify the project's significant or potentially significant effects and briefly describe any proposed mitigation measures that would reduce or avoid that effect.

See attachment.

If applicable, describe any of the project's areas of controversy known to the Lead Agency, including issues raised by agencies and the public.

None identified.

Provide a list of the responsible or trustee agencies for the project.

- City of Eastvale
- City of Jurupa Valley
- South Coast Air Quality Management District
- Riverside County Flood Control and Water Conservation District
- Santa Ana Regional Water Quality Control Board
- California Department of Fish and Wildlife
- California Department of Drinking Water
- California Department of Transportation
- United State Army Corps of Engineers

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Project Description:

This Initial Study analyzes the construction and operation of several proposed Facilities identified in the Jurupa Community Services District (“JCSD” or “the District”) 2020 Water Master Plan and 2020 Wastewater Master Plan Facilities. The Initial Study was prepared to assess at a project level, the potential for any significant environmental effects associated with construction and operation of the 1200 West Emergency Pump Connection, Granite Hill Booster Pump Station, and Pedley Road Trunk Sewer and Waterline Replacement projects (the “Project-Level Facilities”) and to assess at a program-level, impacts resulting from the construction and operation of the 68th Street Extension, Schleisman I-15 Crossing, and the North Indian Hills Trunk Sewer (the “Program-Level Facilities”). All Project-Level Facilities and Program-Level Facilities listed above are collectively referred to as the Project. The JCSD 2020 Water Master Plan and 2020 Wastewater Master Plan Facilities Project includes Facilities within the cities of Eastvale and Jurupa Valley in Riverside County.

Project-Level Facilities

1200 West Emergency Pump Connection

This Project-Level Facility entails the use of a trailer-mounted potable water pump and 12-inch diameter potable water bypass connection piping for quick connection of this portable pump when needed. The bypass connection would be at or near the intersection of Microlite Drive and Scenic Drive in the City of Jurupa Valley and the pipeline would be installed underground within an easement to be obtained by JCSD.

Granite Hill Booster Pump Station

This Project-Level Facility consists of property acquisition, construction, and operation of a potable water pump station to be located in the northern portion of the District north of State Route 60 (SR 60) in the proximity of Granite Hill Drive and Pedley Road.

The final location of this booster pump station has not been selected; therefore, two potential locations were evaluated.

The Granite Hill Booster Pump Station is projected to result in a total potable water flow rate of 10,000 gpm and include four (4) operating pumps, one standby pump, reversible pumping, a static head of 3.5 feet, and a total dynamic head (TDH) of approximately 30 feet. The Granite Hill Booster Pump Station will include four control valves to allow pumping from the 1110 PZ to the 1100 PZ, pumping from the 1100 PZ to the 1100 PZ, and gravity flow between the 1100 PZ and 1110 PZ. The Granite Hill Pump Station will include both above ground and below ground piping with diameters ranging from 12-inch to 30-inch, a surge tank, and standby generator. Prior to the Granite Hill Pump Station being constructed, JCSD may use or lease these sites for equipment storage or construction staging.

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Pedley Road Trunk Sewer and Water Pipelines Replacement

The Pedley Road Trunk Sewer consists of the replacement of approximately 5,200 feet of an existing 8 inch diameter sewer pipeline with 12-inch diameter PVC sewer pipeline from the intersection of Pedley Road/Jurupa Road, north approximately 4,500 feet within Pedley Road to the intersection of Pedley Road/Mission Boulevard and east approximately 700 feet in Mission Boulevard. The District may also replace the existing potable waterlines along this same alignment if they are determined to be aged or in poor condition.

Construction of the Pedley Road Trunk Sewer and Water Pipelines Replacement is assumed to take place within existing road ROW, in a trench approximately eight feet wide. No ROW acquisition is required for this component. All staging areas will be within the paved road or road shoulder ROW along the pipeline alignment.

Program-Level Facilities

68th Street Extension

This Program-Level Facility consists of a potable water transmission pipeline generally located south of the Wineville Avenue/Bellegrave Avenue intersection. The 68th Street Extension pipeline is proposed to be an approximately 4,250 linear feet (LF), 18-inch diameter CMLC pipeline. The 68th Street Extension will be located within 68th Street, Pat's Ranch Road, Tributary Way, and an easement south of Tributary Way east of Interstate 15 (I-15).

Construction of the 68th Street Extension is assumed to take place within a 25-foot wide construction footprint, in a trench approximately six to seven feet wide. No ROW acquisition is required for this component. All staging areas will be within with the paved road or road shoulder ROW along the pipeline alignment.

Schleisman I-15 Crossing

This Program-Level Facility consists of an approximately 24,350 LF, 30-inch diameter, CML/CMC potable water transmission pipeline. This water pipeline is proposed to commence at the intersection of Schleisman Road/Harrison Avenue, continue east to Hamner Avenue and continue east crossing I-15. From I-15, the pipeline will continue east and northeast in an sewer easement and/or Tributary Way and Confluence Drive to the intersection of Confluence Drive/68th Street, east in 68th Street to the intersection of 68th Street/Lucretia Avenue, north in Lucretia Avenue to the intersection of Lucretia Avenue/66th Street, east in 66th Street to the intersection of 66th Street/Etiwanda Avenue, north in Etiwanda Avenue to the intersection of Etiwanda Avenue/Limonite Avenue.

Construction of the Schleisman I-15 Crossing is assumed to take place within a 25-foot-wide construction footprint, in a trench approximately six to seven feet wide. No ROW acquisition is required although easements may be needed for this component. All staging areas will be within the paved road or road shoulder ROW along the pipeline alignment.

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North Indian Hills Trunk Sewer

This Program-Level Facility consists of the upsizing of approximately 1,000 LF of 8-inch diameter sewer pipeline, with 10-inch diameter PVC plastic pipeline. The North Indian Hills Trunk Sewer is located within an easement between Kirby Drive and Jurupa Road.

Construction of the North Indian Hills Trunk Sewer is assumed to take place within a 25-foot wide construction footprint, in a trench approximately six to seven feet wide in an easement between Kirby Drive and Jurupa Road. No ROW acquisition is required for this Program-Level Facility. All staging areas will be along the pipeline alignment.

Mitigation Measures:

Potential Impacts to biological resources, cultural resources, geology and soils, and tribal cultural resources will be results to less than significant with implementation of mitigation measures MM BIO-1, MM BIO-2, MM BIO-3, MM BIO-4, MM BIO-5, MM BIO-6, MM BIO-7, MM BIO-8a, MM BIO-8b, MM CR-1, MM CR-2, MM CR-3, MM CR-4, MM CR-5, MM GEO-1, MM GEO-2, MM GEO-3, MM GEO-4, MM GEO-5, MM GEO-6, and MM GEO-7. No impacts were found to be significant and unavoidable.

Mitigation Measure	Project-Level Facilities			Program-Level Facilities		
	1200 W Emergency Pump Station	Granite Hill Booster Pump Station	Pedley Road Trunk Sewer and Water Pipelines Replacement	68 th Street Extension	Schliesman I-15 Crossing	N. Indian Hills Trunk Sewer
MM BIO-1: Workers Environmental Awareness Program for the Granite Hill Booster Pump Station, Pedley Road Trunk Sewer and Water Pipelines Replacement, 68th Street Extension, Schliesman I-15 Crossing, and North Indian Hills Truck Sewer	N/A	Applicable	Applicable	Applicable	Applicable	Applicable
MM BIO-2: Nesting Bird Survey for the Granite Hill Booster Pump Station, Pedley Road Trunk Sewer and Water Pipelines	N/A	Applicable	Applicable	Applicable	Applicable	Applicable

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Replacement, 68th Street Extension, Schliesman I-215 Crossing, and North Indian Hills trunk Sewer.						
MM BIO-3: Biological Resource Assessment(s) for Program-Level Facilities	N/A	N/A	N/A	Applicable	Applicable	Applicable
MM BIO 4: Special Status Plant Surveys for the Schleisman I-15 Crossing Facility	N/A	N/A	N/A	N/A	Applicable	N/A
MM BIO-5: Southern California Legless Lizard Pre-construction Survey for the Schleisman I-15 Crossing Facility	N/A	N/A	N/A	N/A	Applicable	N/A
MM BIO-6: South Coast Gartersnake Pre-construction Survey for the Schleisman I-15 Crossing Facility	N/A	N/A	N/A	N/A	Applicable	N/A
MM BIO-7: Burrowing Owl Take Avoidance Survey(s) for the 68 th Street Extension and Schleisman I-15 Crossing	N/A	N/A	N/A	Applicable	Applicable	N/A
MM BIO-8a or MM BIO-8b: Riparian and Wetland Habitats Assessment for the Schleisman I-15 Crossing	N/A	N/A	N/A	N/A	Applicable	N/A
MM CR-1: Cultural Resources Assessment and Evaluation (i.e., Archaeological and Built Environment) for the 68th Street Extension,	N/A	N/A	N/A	Applicable	Applicable	Applicable

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	1200 W Emergency Pump Station	Granite Hill Booster Pump Station	Pedley Road Trunk Sewer and Water Pipelines Replacement	68 th Street Extension	Schliesman I-15 Crossing	N. Indian Hills Trunk Sewer
Schliesman I-15 Crossing, and North Indian Hills Trunk Sewer.						
MM CR-2: Retain Qualified archaeologist for Granite Hill Booster Pump Station.	N/A	Applicable	N/A	N/A	N/A	N/A
MM CR-3: Workers Environmental Awareness Program(s) for Granite Hill Booster Pump Station and, Pedley Road Trunk Sewer and Water Pipelines Replacement.	N/A	Applicable	Applicable	N/A	N/A	N/A
MM CR-4: Archaeological Resources Monitoring Plan for the Granite Hill Booster Pump Station	N/A	Applicable	N/A	N/A	N/A	N/A
MM CR-5: Archaeological Monitoring for Granite Hill Booster Pump Station.	N/A	Applicable	N/A	N/A	N/A	N/A
MM GEO-1: Project-Level Facilities and Program-Level Facilities Erosion Control Plan	Applicable if no SWPP prepared	Applicable if no SWPP prepared	Applicable if no SWPP prepared	Applicable if no SWPP prepared	Applicable if no SWPP prepared	Applicable if no SWPP prepared
MM GEO-2: Retain a Qualified Professional Paleontologist for the Granite Hill Booster Pump Station, 68 th Street Extension, and the Schliesman I-15 Crossing	N/A	Applicable	N/A	Applicable	Applicable	N/A
MM GEO-3: Prepare a Paleontological Resources Impact Management Program for the Granite Hill Booster Pump Station, 68 th Street	N/A	Applicable	N/A	Applicable	Applicable	N/A

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	1200 W Emergency Pump Station	Granite Hill Booster Pump Station	Pedley Road Trunk Sewer and Water Pipelines Replacement	68 th Street Extension	Schliesman I-15 Crossing	N. Indian Hills Trunk Sewer
Extension, and the Schliesman I-15 Crossing						
MM GEO-4: Conduct Worker Environmental Awareness Training for the Granite Hill Booster Pump Station, Pedley Road Trunk Sewer and Water Pipelines Replacement, 68th Street Extension, Schliesman I-15 Crossing, and North Indian Hills Trunk Sewer	N/A	Applicable	Applicable	Applicable	Applicable	N/A
MM GEO-5: Monitor for Paleontological Resources for the Granite Hill Booster Pump Station, 68th Street Extension, and Schliesman I-15 Crossing	N/A	Applicable	N/A	Applicable	Applicable	N/A
MM GEO-6: Treat Fossil Discoveries from the Granite Hill Booster Pump Station, 68th Street Extension, and Schliesman I-15 Crossing	N/A	Applicable	N/A	Applicable	Applicable	N/A
MM GEO-7: Prepare a Paleontological Resources Monitoring Report for the Granite Hill Booster Pump Station, 68th Street Extension, and Schliesman I-15 Crossing	N/A	Applicable	N/A	Applicable	Applicable	N/A

MM BIO-1: Workers Environmental Awareness Program(s) for the Granite Hill Booster Pump Station, Pedley Road Trunk Sewer and Water Pipelines Replacement, 68th Street

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Street Extension, Schliesman I-15 Crossing, and North Indian Hills Truck Sewer. Prior to construction of the *Granite Hill Booster Pump Station, the Pedley Road Trunk Sewer and Water Pipelines Replacement, 68th Street Extension, Schliesman I-15 Crossing, or North Indian Hills Trunk Sewer*, a qualified biologist shall prepare a Worker Environmental Awareness Program (WEAP) that will provide information regarding the sensitive habitats and special status species with the potential to occur within the area of each Facility, avoidance and minimization measures that must be complied with, and a point of contact if protected species are observed. The biologist or designee(s) shall present the WEAP to the construction contractor and each of the construction crews working on each Facility at a preconstruction meeting. No individual shall be permitted to work on the *Granite Hill Booster Pump Station, the Pedley Road Trunk Sewer and Water Pipelines Replacement, 68th Street Extension, Schliesman I-15 Crossing, or North Indian Hills Trunk Sewer* sites until they have completed WEAP training. In lieu of in-person training, the WEAP may be recorded and presented to any contractor or crew member not present at the initial in-person training. This training may be conducted concurrently with other environmental (e.g. cultural resources) or safety training.

MM BIO-2: Nesting Bird Survey for the Granite Hill Booster Pump Station, Pedley Road Trunk Sewer and Water Pipelines Replacement, 68th Street Extension, Schliesman I-215 Crossing, and North Indian Hills trunk Sewer. If vegetation removal or construction activities must occur at the *Granite Hill Booster Pump Station site, or along the alignments for the Pedley Road Trunk Sewer and Water Pipelines Replacement, 68th Street Extension, Schliesman I-15 Crossing, or North Indian Hills Trunk Sewer Facilities*, during the bird breeding season, which is February 1 – August 31, pre-construction nesting bird surveys for active nests shall be conducted by a qualified biologist no sooner than 14 days prior to the start of work.

The qualified biologist shall establish a species-specific no-disturbance buffer around any active nest. The buffer shall be demarcated with temporary high visibility fencing installed under the supervision of the qualified biologist. The initial buffer for active nests shall be 500 feet for raptors and 250 feet for non-raptors. No Facility-related activities shall occur within the no-disturbance buffer area until the qualified biologist determines whether the young have fledged or observes the birds' behavior is not disturbed by the construction activity. The initial buffer distance may be reduced if determined appropriate by the qualified biologist.

MM BIO-3: Biological Resources Assessments for Program-Level Facilities. To confirm and, if necessary, amplify the findings of the *Biological Resources Technical Report for the Jurupa Community Services District 2020 Water and Sewer Master Plan, Riverside County, California* regarding the Program-Level Facilities, general biological resources assessments shall be conducted by a qualified biologist prior to approval of any proposed Program-Level Facility. These general biological resources assessments shall identify sensitive plant or animal species that occur on each Facility site, other protected natural resources including sensitive vegetation communities, streams, rivers, vernal pools and wetlands, and potential impacts to these sensitive resources resulting from implementation of the Program-Level Facility being evaluated. If new or clarified mitigation measure(s) are identified to reduce potential impacts to

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less than significant for a specific Program-Level Facility, the new or clarified mitigation measure(s) shall be implemented.

MM BIO 4: Special Status Plant Surveys for the Schleisman I-15 Crossing Facility. If the results of the Biological Resources Assessment for the Schleisman I-15 Crossing Facility completed per mitigation measure **MM BIO-3** indicate the presence of suitable habitat to support smooth tarplant (*Centromadia pungens ssp. laevis*), paniculate tarplant (*Deinandra paniculata*), and/or Santa Ana River woollystar (*Eriastrum densifolium ssp. sanctorum*) within the disturbance area of this Facility, a qualified biologist shall conduct a rare plant survey during the optimal blooming period for these species. If any of these special-status plant species are found during this survey, the biologist shall supervise the installation of environmentally sensitive area fencing or visual indicators at a 50-foot radius around individuals and groups of plants to ensure they are not destroyed during Facility-related activities. Pursuant to Section 1913(c) of the California Fish and Game Code, if plants cannot be avoided, California Department of Fish and Wildlife will be notified and provided the opportunity to salvage any of the plants that would require removal.

MM BIO-5: Southern California Legless Lizard Preconstruction Survey for the Schleisman I-15 Crossing. If the results of the Biological Resources Assessment for the Schleisman I-15 Crossing Facility completed as part of mitigation measure **MM BIO-3**, indicate the presence of suitable habitat for the Southern California legless lizard within the disturbance footprint of this Facility, a qualified biological shall conduct a pre-construction survey of all suitable areas of the disturbance footprint within seven (7) days prior to the start of any ground disturbing construction activities for this Facility. The qualified biologist shall mark potentially occupied features for avoidance and work with construction crews to avoid occupied features to the maximum extent feasible. If individual Southern California legless lizards are detected, all Facility-related construction activities that have the potential to impact the identified individuals shall be halted in that area until cleared by the qualified biologist.

A qualified biological monitor holding a Scientific Collection Permit for Southern California legless lizard shall be present during ground-disturbing activities. The biological monitor shall examine areas of active surface disturbance periodically for the presence of Southern California legless lizard. In addition, open trenches, holes, or other excavated areas will be examined at least twice per day and immediately prior to backfilling. If avoidance is not feasible or a Southern California legless lizard becomes trapped within the work area, the biological monitor may capture the lizard by hand and relocate it to suitable habitat outside of the impact areas. Dead or injured Southern California legless lizards shall be reported to the California Department of Fish and Game.

MM BIO-6 South Coast Gartersnake Preconstruction Survey for the Schleisman I-15 Crossing. If the results of the Biological Resources Assessment for the Schleisman I-15 Crossing Facility completed as part of mitigation measure **MM BIO-3**, indicate the presence of suitable habitat for the south coast garter snake a preconstruction survey of all suitable areas

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within the disturbance footprint shall be conducted within seven (7) days prior to the start of any ground disturbing construction activities for this Facility. The qualified biologist shall mark potentially occupied features for avoidance and work with construction crews to avoid occupied features to the maximum extent feasible. If individual south coast gartersnakes are detected, all Facility-related construction activities that have the potential to impact the identified individuals shall be halted in that area until cleared by the qualified biologist.

A qualified biological monitor holding a Scientific Collection Permit for south coast gartersnake shall be present during ground-disturbing activities. The biological monitor shall examine areas of active surface disturbance periodically for the presence of south coast gartersnake. In addition, open trenches, holes, or other excavated areas will be examined at least twice per day and immediately prior to backfilling. If avoidance is not feasible or a south coast gartersnake becomes trapped within the work area, the biological monitor may capture the lizard by hand and relocate it to suitable habitat outside of the impact areas. Dead or injured south coast gartersnakes shall be reported to the California Department of Fish and Game.

MM BIO 7: Burrowing Owl Take Avoidance Survey(s) for the 68th Street Extension and Schleisman I-15 Crossing. If the results of the Biological Resources Assessment for the 68th Street Extension and the Schleisman I-15 Crossing Facilities completed as part of mitigation measure **MM BIO-3**, indicate the presence of suitable habitat for the burrowing owl, a qualified biologist shall conduct a take avoidance survey for burrowing owls no less than 14 days prior to any ground disturbing construction activities. The survey shall follow the methodology outlined in the 2012 California Department of Fish and *Wildlife Staff Report on Burrowing Owl Mitigation*.

If burrows are detected during the take avoidance survey(s), the qualified biologist and JCSD shall begin coordination with CDFW and USFWS and shall prepare a Burrowing Owl Avoidance and Monitoring Plan that shall be submitted to CDFW for review and approval prior to commencing Facility-related activities. The Burrowing Owl Plan shall describe proposed avoidance and monitoring actions, including measures necessary to avoid take of burrowing owl individuals, nests, and eggs. The Burrowing Owl Plan shall include the number and location of occupied burrow sites (occupied site means at least one burrowing owl or its sign has been observed within the last three years; may be indicated by owl sign including feathers, pellets, prey remains, eggshell fragments, or excrement at or near a burrow entrance or perch site), acres of burrowing owl habitat that will be impacted, details of site monitoring, and details on proposed buffers and other avoidance measures.

If burrows are detected but determined to be inactive or it is outside the burrowing owl breeding season (February 1 – August 31), exclusion methods shall be implemented to prevent owls from occupying the burrows during Project activities. If active burrows are identified, a no work buffer shall be placed around the burrow and JCSD must notify CDFW within 48 hours of the discovery. The buffer shall be 200 meters between April 1 – Oct 15 and 50 meters between Oct 16 – Mar 31. The buffer shall be demarcated with temporary high visibility fencing installed

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under the supervision of a biologist. Additional biological monitoring or other avoidance measures if required by CDFW shall be implemented.

If passive relocation actions outside the breeding season (September 1 – February 14) are determined to be necessary, coordination with CDFW shall occur prior to the initiation of relocation activities.

If impacts to occupied burrowing owl habitat or burrow(s) or burrowing owl individuals, nests, or eggs cannot be avoided, appropriate CESA authorization (i.e., Incidental Take Permit under Fish and Game Code section 2081) shall be obtained from CDFW prior to commencement of Project activities that would impact any occupied habitat, individuals, nests, or eggs. Construction may occur or continue in areas where no occupied habitat, individuals, nests, or eggs would be impacted.

MM BIO-8a or MM BIO-8b: Riparian and Wetland Habitats Assessment for the Schleisman I-15 Crossing. One of the following measures)MM BIO-8a of MM BIO-8b shall be implemented to reduce potential impacts riparian and wetland habitats associated with the *Schleisman I-15 Crossing* to less than significant.

MM BIO-8a. Avoid all impacts to the Santa Ana River, including riparian habitats. To attain full avoidance of the Santa Ana River, construction and ground disturbance shall not occur within 125 feet of the centerline of the channel. The limits of riparian habitat shall be flagged and construction fencing erected to clearly denote the limits of construction. No overnight staging of equipment or materials shall occur within the protected “no work” zone as delineated by the fencing. Storing, fueling, and equipment maintenance shall not occur in locations where spilled materials could potentially enter the Santa Ana River and its associated riparian habitat. Spill kits/absorbent clean-up materials shall be available on-site. All equipment and vehicles shall be checked and maintained daily to prevent spills of fuel, oil, and other hazardous materials. A designated staging area shall be established for vehicle/equipment parking and storage of fuel, lubricants, and solvents a minimum of 100 feet outside of the protected zone. All fueling and maintenance activities shall take place in the designated staging area.

OR

MM BIO-8b If the results of the Biological Resources Assessment for *the Schleisman I-15 Crossing Facility* completed as part of mitigation measure **MM BIO-3**, indicate this Facility would directly impact riparian or wetland habitat associated with the Santa Ana River, the following measures shall be required:

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- i. A wetland delineation shall be implemented to determine the jurisdictional boundaries of the Santa Ana River. The delineation shall determine the limits of potentially regulated aquatic resources, the riparian features, and an appropriate buffer for protection (the “protected zone”). The wetland delineation shall identify all appropriate jurisdictional agencies and shall be used in securing all applicable permits. If permits are required, all environmental requirements of the regulatory permits shall be implemented, and the executed permits shall be kept on site. At the discretion of the regulatory agencies, the requirements of the permits may supplement or exceed the requirements of this measure.
- ii. Construction of the Schleisman I-15 Crossing shall incorporate the conditions for all relevant permits and mitigation requirements, and permit conditions shall be conveyed to construction crews prior to construction.

MM CR-1: Cultural Resources Assessment and Evaluation (i.e., Archaeological and Built Environment) for the 68th Street Extension, Schliesman I-15 Crossing, and North Indian Hills Trunk Sewer. Prior to any construction or ground disturbance activities associated with the *68th Street Extension, Schliesman I-15 Crossing, and North Indian Hills Trunk Sewer* Facility-specific cultural resources assessment(s) and evaluation(s) shall be conducted to determine the presence or absence of cultural resources. A technical report or reports shall be prepared that discuss the proposed Facility (or Facilities), regulatory framework, research methodology, setting, findings, the proposed Facility (or Facilities) potential to adversely affect historical and cultural resources, and will provide recommendations for further work or measures to avoid impacts for each Facility, as appropriate. The format and content of the report shall follow the OHP’s ARMR: Recommended Contents and Format (OHP 1990). Any cultural resources identified will be documented on appropriate DPR 523 series forms. The final draft of the report will be submitted to the Southern California Information Center (SCIC). The recommendations of the technical report to reduce impacts to cultural resources to less than significant shall be implemented.

MM CR-2: Retain Qualified Archaeologist for Granite Hill Booster Pump Station. Prior to any construction or excavation at the *Granite Hill Booster Pump Station, JCSD*, or its designee, shall retain a qualified archaeologist, identified as an archaeologist who meets the Secretary of the Interior’s Professional Qualifications Standards for historical archaeology to carry out and ensure proper implementation of the regulatory compliance measures for archaeological resources. In the event that archaeological resources are exposed during construction, work in the immediate vicinity of the find (within 8 meters [25 feet]) shall stop until the qualified archaeologist can evaluate the significance of the find. Construction activities may continue in other areas. If the previously undocumented resource is determined by the qualified

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archaeologist to constitute a “historical resource” pursuant to CEQA Guidelines in 14 CCR 15064.5(a) or a “unique archaeological resource” pursuant to PRC Section 1083.2(g), the qualified archaeologist will coordinate with JCSD to develop a formal treatment plan that would reduce impacts to the resource(s). The treatment plan established for the resource(s) will be prepared in accordance with CEQA Guidelines in 14 CCR 15064.5(f) for historical resources and PRC Section 21083.2(b) for unique archaeological resources.

MM CR-3: Workers Environmental Awareness Program(s) for Granite Hill Booster Pump Station and Pedley Road Trunk Sewer and Water Pipelines Replacement. Prior to construction of the *Granite Hill Booster Pump Station or the Pedley Road Trunk Sewer and Water Pipelines Replacement*, a qualified archaeologist meeting the Secretary of the Interior Standards in Archaeology shall prepare a Worker Environmental Awareness Program (WEAP) which includes cultural resource awareness and sensitivity training. Prior to any construction or ground disturbance activities for the *Granite Hill Booster Pump Station or the Pedley Road*, the WEAP shall be provided to all construction crew members. No individual shall be permitted to work at *Granite Hill Booster Pump Station or the Pedley Road Trunk Sewer and Water Pipelines Replacement* sites until they have completed WEAP training that includes cultural resource awareness and sensitivity training. In lieu of in-person training, the WEAP training may be recorded and presented to any contractor or crew member not present at the initial in-person training. This training may be conducted concurrently with other environmental (e.g. biological resources) or safety training.

MM CR-4: Archaeological Resources Monitoring Plan for the Granite Hill Booster Pump Station. Prior to construction or any excavation at the Granite Hill Booster Pump Station site, JCSD, or its designee, shall retain a qualified archaeologist meeting the Secretary of the Interior Standards in Archaeology to prepare an archaeological resources monitoring plan (Monitoring Plan). The Monitoring Plan shall be prepared in compliance with PRC Section 5024.1, 14 CCR 15064.5 of the CEQA Guidelines, and PRC Sections 21083.2 and 21084.1. To satisfy these requirements, the Monitoring Plan shall include, but not be limited to, monitoring protocol for ground disturbing activities, and discovery and processing protocol for inadvertent discoveries of archaeological resources. The Monitoring Plan shall identify the process for contacting Tribal groups in the event of inadvertent discovery of archaeological resources or human remains potentially affiliated with Native Americans.

MM CR-5: Archaeological Monitoring for Granite Hill Booster Pump Station. A qualified archaeological monitor shall be present during initial ground disturbance and excavation activities for the *Granite Hill Booster Pump Station* per the Monitoring Plan developed under mitigation measure **MM CR-4**. The archaeological monitor shall have the authority to temporarily halt or redirect construction activities in soils that are likely to contain archaeological resources. In the event that archaeological resources are exposed during construction, work in the immediate vicinity of the find (within 8 meters [25 feet]) shall stop until the qualified archaeologist can evaluate the significance of the find. Construction activities may continue in other areas. If the previously undocumented resource is determined by the qualified

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archaeologist to constitute a “historical resource” pursuant to CEQA Guidelines in 14 CCR 15064.5(a) or a “unique archaeological resource” pursuant to PRC Section 21083.2(g), the qualified archaeologist will coordinate with JCSD to develop a formal treatment plan that would reduce impacts to the resource(s). The treatment plan established for the resource(s) will be prepared in accordance with CEQA Guidelines in 14 CCR 15064.5(f) for historical resources and PRC Section 21083.2(b) for unique archaeological resources. At the conclusion of monitoring, a technical report will be prepared that summarizes the results and findings. The format and content of the report shall follow the OHP’s ARMR: Recommended Contents and Format (OHP 1990). Any archaeological resources identified will be documented on appropriate DPR 523 series forms. The final draft of the report will be submitted to the Southern California Information Center (SCIC).

MM GEO-1: Project-Level Facilities and Program-Level Facilities Erosion Control Plan.

Prior to the construction of any portion of the Project-Level or Program-Level Facilities for which a SWPPP has not been prepared or is not required, JCSD shall cause to be prepared an erosion control plan. The erosion control plan shall identify erosion control Best Management Practices (BMPs) including but not limited to, soils binders, mulching, permanent seeding, sodding, or other BMPs which will provide adequate protection against wind and water erosion. The erosion control plan may be prepared by the Construction Contractor or designee; however, it must be approved by JCSD prior to the start of construction. The erosion control plan shall be retained at the construction site and available for inspection upon request.

MM GEO-2: Retain a Qualified Professional Paleontologist for the Granite Hill Booster Pump Station, 68th Street Extension, and Schleisman I-15 Crossing.

Prior to any construction or excavation for the *Grantie Hill Booster Pump Station, 68th Street Extension, or Schleisman I-15 Crossing*, JCSD or its designee the project applicant shall retain a Qualified Professional Paleontologist, who meets the Society of Vertebrate Paleontology (SVP) qualifications for Principal Investigator or Project Paleontologist, to carry out all regulatory compliance measures and protocols related to paleontological resources.

MM GEO-3: Prepare a Paleontological Resources Impact Management Program for the Granite Hill Booster Pump Station, 68th Street Extension, and Schleisman I-15 Crossing.

Before Prior to any construction or excavation starts for the *Granite Hill Booster Pump Station, 68th Street Extension, or Schleisman I-15 Crossing*, the Project Paleontologist retained under **mitigation measure MM GEO-2** shall prepare a Paleontological Resources Impact Management Program(s) (PRIMP(s)). The PRIMP(s) shall contain specific monitoring and management requirements including construction worker training; protocols to follow in the event of an unanticipated discovery; and procedures for monitoring, fossil and data collection, and fossil treatment. The PRIMP(s) shall identify curation facilities for any significant fossils that may be salvaged and require a final report summarizing the results of the program. The PRIMP shall adhere to and incorporate the performance standards and practices from the 2010 SVP *Standard Procedures for the Assessment and Mitigation of Adverse Impacts to Paleontological*

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Resources. The Project Paleontologist shall submit the final PRIMP to JCSD for their records before project excavation activities start.

MM GEO-4: Conduct Worker Environmental Awareness Training for the Granite Hill Booster Pump Station, Pedley Road Trunk Sewer and Water Pipelines Replacement, 68th Street Extension, Schleisman I-15 Crossing, and North Indian Hills Trunk Sewer. Prior to any construction or excavation for the *Granite Hill Booster Pump Station, Pedley Road Trunk Sewer and Water Pipelines Replacement, 68th Street Extension, Schlesiman I-15 Crossing, and North Indian Hills Trunk Sewer*, the Project Paleontologist shall develop worker environmental awareness program (WEAP) training to educate the construction crew on the legal requirements for preserving fossil resources as well as the procedures to follow in the event of a fossil discovery. This training program shall be presented by the Project Paleontologist (or their representative) to the crew prior to any ground-disturbing activities.

MM GEO-5: Monitor for Paleontological Resources for the Granite Hill Booster Pump Station, 68th Street Extension, and Schleisman I-15 Crossing. Full-time paleontological monitoring shall occur during ground-disturbing activities that impact undisturbed native sediments of the old alluvial-fan deposits, unit 1 for the *Granite Hill Booster Pump Station, 68th Street Extension, or Schlesiman I-15 Crossing*. Monitoring shall not be required when ground-disturbing activities would impact only biotite schist and gneiss or previously disturbed sediments and/or artificial fill regardless of depth. Monitoring shall be conducted by a qualified paleontological monitor who meets the standards of the SVP and who shall be supervised by the Project Paleontologist. The Project Paleontologist may periodically inspect construction activities and increase, decrease, or cease monitoring in response to subsurface conditions, as appropriate.

MM GEO-6: Treat Fossil Discoveries for the Granite Hill Booster Pump Station, 68th Street Extension, and Schleisman I-15 Crossing. In the event of a fossil discovery at the *Granite Hill Booster Pump Station, 68th Street Extension, or Schlesiman I-15 Crossing*, whether by the qualified paleontological monitor or a member of the construction crew, the qualified paleontological monitor shall have the authority to temporarily divert construction activity, and all work shall cease in a 50-foot radius of the discovery. The Project Paleontologist will evaluate the scientific significance of the find and, if appropriate, collect the fossil specimen(s) and all associated data. Paleontological monitors shall record pertinent geological information and collect sediment samples from the fossil localities. Recovered fossils shall be prepared to the point of curation, identified by qualified experts, listed in a database to facilitate analysis, and deposited in a designated paleontological curation facility. The Project Paleontologist shall obtain a curatorial arrangement with an accredited repository, and scientifically significant fossils may be donated to this institution.

MM GEO-7: Prepare a Paleontological Resources Monitoring Report for the Granite Hill Booster Pump Station, 68th Street Extension, and Schleisman I-15 Crossing. At the conclusion of ground-disturbing activities for the *Granite Hill Booster Pump Station, 68th Street Extension, or Schlesiman I-15 Crossing*, the Project Paleontologist shall prepare a final report

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that documents the methods and results of all efforts completed under the PRIMP, including monitoring efforts; treatment of paleontological resources; results of specimen processing, analysis, and research; and final curation arrangements, as applicable. The report shall be completed after the completion of paleontological monitoring for the project. If paleontological resources are curated, the final monitoring report and any associated data pertinent to the curated specimen(s) shall be submitted to the designated repository. A copy of the final monitoring report shall be filed with JCSD.