

Mitigation Monitoring and Reporting Program for the Sonoma Valley County Sanitation District System Protection Plan at Kohler & Sonoma Creek Crossings Project

The Sonoma Valley County Sanitation District (SVCSDD) is the project proponent and lead agency in accordance with the California Environmental Quality Act (CEQA) for the Sonoma Valley County Sanitation District System Protection Plan at Kohler & Sonoma Creek Crossings Project (Project). Sonoma County Water Agency (Sonoma Water) manages the SVCSDD. SVCSDD had a consultant prepare an Initial Study and Mitigated Negative Declaration of Environmental Impact (IS/MND) for the Project. Mitigation measures were determined necessary to reduce potentially significant impacts to a less-than-significant level for several environmental factors, including biological resources, cultural resources, geology and soils, hazards and hazardous materials, noise, and tribal cultural resources. Mitigation measures for geology and soils and hazards and hazardous materials also reduced potentially significant impacts to a less-than-significant level for hydrology and water quality.

CEQA and the State CEQA Guidelines (Public Resources Code Section 21081.6 and State CEQA Guidelines Section 15097) require that a mitigation monitoring and reporting program (MMRP) be adopted upon certification of a mitigated negative declaration to ensure that the mitigation measures are implemented. This MMRP has been prepared to ensure compliance with CEQA and that all required mitigation measures are implemented and completed in a satisfactory manner before, during, and after project construction, operation, and maintenance, as applicable. The Project IS/MND was certified and MMRP adopted by SVCSDD's Board of Directors on April 30, 2024. A record of the MMRP will be maintained at the office of the Clerk of the Board, 575 Administration Drive, Room 100A, Santa Rosa, CA 95403.

The MMRP is organized in a table format that includes the following:

- **Mitigation Measure**, the verbatim text of the mitigation measure specified in the Project IS/MND.
- **Action**, the discrete action(s) to be implemented to ensure compliance with the mitigation measure.
- **Implementing Party**, the individual and/or entity responsible for implementing the mitigation measure.
- **Timing**, the time frame in which the mitigation will be implemented.
- **Responsible Party**, the individual or entity that will monitor the measure and ensure that it complies with this MMRP.
- **Verification**, date and signature by the Responsible Party confirming an action was completed by one of the following:
 - Technical Writing,
 - Construction Inspection,
 - Engineering,
 - Operations and Maintenance (O&M),
 - Environmental Resources (ER), or
 - ER Project Manager (PM).

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Mitigation Measure	Action	Implementing Party	Timing	Responsible Party	Verification (Signature, Date of Compliance)
Biological Resources					
<p>Mitigation Measure BIO-1: Biological Worker Training Program The Sonoma Valley County Sanitation District (SVCS D) shall require contractors and internal staff participate in a biological resources training program.</p> <p>Prior to beginning construction activities, all personnel involved in the activities shall participate in a biological resources educational training session conducted by a qualified biologist. A qualified biologist (including those specializing in botany, wildlife, and fisheries) is an individual who shall have a minimum of five years of academic training and professional experience in biological sciences and related resource management activities with a minimum of two years conducting surveys for each species that may be present within the Proposed Project site. Resumes must be submitted to California Department of Fish and Wildlife, U.S. Fish and Wildlife Service and/or National Marine Fisheries Service, as appropriate, for 30 days prior to commencement of biological surveys. This training must include instruction on how to identify bird nests, recognize special-status species and sensitive habitats, regulatory protections, and the appropriate protocol if any special species or nests are found during Proposed Project implementation. Personnel who miss the first training session must participate in a make-up session before conducting construction activities.</p>	<p>Include item in the project contract specifications</p> <p>Schedule time for training with contractor</p> <p>Schedule time for training with maintenance staff</p> <p>Conduct training</p>	<p>Technical Writing</p> <p>Construction Inspection</p> <p>O&M</p> <p>ER</p>	<p>Contractor agreement</p> <p>Prior to construction and maintenance</p> <p>Prior to maintenance</p> <p>Prior to construction and maintenance</p>	<p>Technical Writing</p> <p>Construction Inspection</p> <p>O&M</p> <p>PM</p>	

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<p>Mitigation Measure BIO-2: Protect Federally Listed Salmonids The Sonoma Valley County Sanitation District (SVCS D) shall obtain and comply with a Section 404 Clean Water Act permit from the U.S. Army Corps of Engineers (USACE). SVCS D shall comply with the requirements of any federal Endangered Species Act (ESA) Biological Opinion (BO) issued for the project by the National Marine Fisheries Service (NMFS) for salmonids. If the California Department of Fish and Wildlife (CDFW) finds that the BO does not satisfy California ESA requirements, SVCS D shall obtain and comply with a State Incidental Take Permit under Section 2081(b) of the California Fish and Game Code.</p> <p>In addition, SVCS D shall ensure that all dewatering, relocation, seining, and electrofishing guideline activities comply with the terms and conditions of the NMFS BO that will include, but are not limited to, the following actions. Dewatering activities shall be in accordance with most recent NMFS criteria to limit the effects of species relocation (NMFS 2018; USFWS and NOAA 2022). Electrofishing can be used as an alternative fish capture method in accordance with Guidelines for Electrofishing Waters Containing Salmonids Listed Under the Endangered Species Act (NMFS 2000). If electrofishing is utilized, the qualified biologist overseeing the aquatic species relocation shall have the appropriate training and experience. A qualified fisheries biologist shall perform all seining, electrofishing, and fish relocation activities. A qualified fisheries biologist is an individual who must have a minimum of five years of academic training and professional experience in biological sciences and related resource management activities with a minimum of two years conducting surveys or relocating salmonids. Resumes must be</p>	Obtain applicable permits and comply with requirements	ER	Prior to Construction and Maintenance	PM	

Mitigation Measure	Action	Implementing Party	Timing	Responsible Party	Verification (Signature, Date of Compliance)
submitted to National Marine Fisheries Service 30 days prior to commencement relocation activities. Sonoma Water may also utilize appropriately experienced and/or trained environmental staff. Resumes shall be submitted to CDFW, USFWS and/or NMFS, as appropriate, for approval prior to commencement of biological surveys	Submit resumes	ER	Prior to Construction	PM	
<p>Mitigation Measure BIO-3: Protect California Freshwater Shrimp</p> <p>The Sonoma Valley County Sanitation District (SVCSD) shall ensure that all dewatering activities comply with the terms and conditions of the project-specific USFWS BO for California freshwater shrimp and the Incidental Take Permit from the California Department of Fish and Wildlife. These measures are likely to include the following based on the USFWS 2022 Programmatic Biological Opinion for California freshwater shrimp; additional measures may be required by California Department of Fish and Wildlife:</p> <ol style="list-style-type: none"> 1. The work area shall be isolated and all the flowing water upstream of the work site shall be temporarily excluded from entering the work area. 2. Pump intake structures used for dewatering will be placed away from complex vegetated banks and completely screened with wire mesh not larger than five millimeters to prevent shrimp from entering the pump system. Water will be released or pumped downstream, at an appropriate rate, to maintain downstream flows during construction. 3. Debris, soil, silt, excessive bark, rubbish, creosote-treated wood, raw cement/ concrete or washings thereof, asphalt, paint or other coating material, oil or 	<p>Include items 1-4 and 10 (last bullet) in the project contract specifications</p> <p>Items 1 - 10 comply with requirements</p>	<p>Technical Writing</p> <p>ER</p>	<p>Contractor Agreement</p> <p>Prior to Construction</p>	<p>Technical Writing</p> <p>PM</p>	

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<p>other petroleum products, or any other substances which could be hazardous to aquatic life, resulting from projected related activities, will be prevented from contaminating the soil and/or entering the water. Any of these materials, placed within or where they may enter the stream, must be removed immediately. During project activities, all trash that may attract potential predators of California freshwater shrimp will be properly contained, removed from the work site, and disposed of daily.</p> <p>4. No work is permitted during wet weather or where saturated ground conditions exist; if a 60 percent chance of 0.5 inches of rain, or more, within a 24-hour period is forecast, then operations will cease until 24 hours after the rain has ceased.</p> <p>5. At least 15 days prior to the onset of activities, the name(s) and credentials of biologists who will conduct the California freshwater shrimp activities specified in the following measures will be submitted to the USFWS and CDFW. No project activities would begin until written approval from both CDFW and USFWS that the biologist(s) is qualified to conduct the work is received. A qualified biologist is an individual who shall have a minimum of five years of academic training and professional experience in biological sciences and related resource management activities with a minimum of two years conducting surveys for California freshwater shrimp. Resumes must be submitted to CDFW and U.S. Fish and Wildlife Service 30 days prior to commencement of biological surveys.</p>	Item 5 - submit resumes	ER	Prior to Construction	PM	

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<p>6. The CDFW and USFWS-Approved Biologist shall be given the authority to freely communicate verbally, by telephone, electronic mail, or in writing at any time with construction personnel, any other person(s) at the Project Site, otherwise associated with the project, USFWS, CDFW, or their designated agents. The monitor and the CDFW and USFWS-approved biologist will have the authority to halt any action that might result in impacts that exceed the levels anticipated by CDFW and USFWS during review of the proposed action. If the biologist exercises this authority, USFWS shall be notified by telephone and electronic mail within twenty-four (24) hours.</p> <p>7. Before any construction activities begin on the project, a CDFW and USFWS-Approved Biologist will conduct a training session for all construction personnel (See Mitigation Measure BIO-1). At a minimum, the training will include a description of the California freshwater shrimp and its habitat, the importance of the California freshwater shrimp and its habitat, the general measures that are being implemented to conserve the California freshwater shrimp as they relate to the project, and the boundaries within which the project may be accomplished. Personnel will also be instructed on the penalties for not complying with avoidance and minimization measures. If new construction personnel are added to the project, the contractor will ensure that the personnel receive the training before starting work.</p> <p>8. A CDFW and USFWS-approved biologist will be present at the work site until such time as all California</p>					

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<p>freshwater shrimp are removed, instruction of workers is complete, and creek dewatering or diversion has been completed. After this time, the CDFW and USFWS-approved biologist will designate a person to monitor on-site compliance with all minimization measures. The CDFW and USFWS-approved biologist will ensure that this individual receives training in the identification of California freshwater shrimp and their habitat.</p> <p>9. Only CDFW and USFWS-approved biologists will participate in the capture, handling, and monitoring of California freshwater shrimp. The CDFW and USFWS-approved biologist will report the number of captures, releases, injuries, and mortalities to CDFW and USFWS within 30-days of the activities.</p> <p>10. Prior to the installation of any water diversion structures, removal of existing fill, and placement of new fill, the CDFW and USFWS-approved biologist will perform surveys for any shrimp trapped in the project area, collect, and transfer them to the nearest suitable habitat outside of the work area. During holding and transportation, shrimp will be held in stream water collected from the site. The following procedures will be used to relocate California freshwater shrimp:</p> <ul style="list-style-type: none"> • Prior to dewatering and after barrier seines have been placed up- and downstream of the project area (to prevent additional aquatic species from entering the work area), all California freshwater shrimp will be relocated from the dewatering area. Shrimp will be removed from the dewatering area with the use of submerged hand-held nets (e.g., heavy-duty 	Item 9 - reporting	ER	Within 30 Days of Activity	PM	

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<p>aquatic dip nets [12-inch D-frame net] or small minnow dip nets). All suitable habitat will be sampled by netting all roots and vegetation along the side of the stream, under large wood structures, etc. Any shrimp captured should be immediately transferred to an aerated container (see below). A second sweep through the sampled area should occur immediately to collect any shrimp that might have moved into open water when they were dislodged by the passage of the net. Following each sweep, the contents of the net should be emptied into an aerated container (see below). No California freshwater shrimp will be placed in buckets containing other aquatic species. Any potential predators captured should be placed in separate containers to avoid predation of California freshwater shrimp.</p> <ul style="list-style-type: none"> All shrimp will be kept in containers such as 5-gallon utility buckets, 7.3 quart or 5-gallon Cool Bubbles Insulated Bait Saver™ buckets, or plastic terrariums, as appropriate. All containers should be outfitted with lids to prevent shrimp from jumping out of the container. All containers should be outfitted with aerators (e.g., Marin Metals Product™ Bubbles air pump) and kept in the shade with cool fresh water until the animals can be processed. Water temperatures in the containers should be kept cool and in the shade. 					

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<ul style="list-style-type: none"> • Captured California freshwater shrimp will be immediately relocated out of the work area in the net or placed in buckets containing stream water, and moved directly to the nearest suitable habitat in the same branch of the creek. To minimize holding time, suitable habitat will be identified prior to capturing California freshwater shrimp. Suitable habitat is defined as creek sections that will remain wet for the entirety of the summer and provide the following criteria throughout the summer: <ul style="list-style-type: none"> - Water depths of 1 foot or more with large woody debris protruding into the channel. - Streambanks with presence of hair like fine roots, or coarse roots >0.5 cm in diameter that extend into the wetted channel. - Undercut banks (>6 inches) along the stream containing blackberries, dogwood or an abundance of herbaceous vegetation with roots or vegetation that extends into the water. - Once the CDFW and USFWS-Approved Biologist has determined that all shrimp have been effectively relocated, barrier seines or exclusion fencing with mesh no greater than 5 millimeters will be installed to prevent shrimp from moving back in, as appropriate. 					

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<p>Mitigation Measure BIO-4: Protect Special-status Amphibians and Reptiles</p> <p>The Sonoma Valley County Sanitation District (SVCS D) shall ensure aquatic wildlife species are protected during project construction through surveys, worker education, and aquatic species relocation as follows:</p> <ul style="list-style-type: none"> • A qualified biologist(s) shall oversee the implementation of the following protection measures. SVCS D may also utilize appropriately experienced and/or trained environmental staff. A qualified biologist (including those specializing in botany, wildlife, and fisheries) is an individual who shall have a minimum of five years of academic training and professional experience in biological sciences and related resource management activities with a minimum of two years conducting surveys for each species that may be present within the Proposed Project site. Resumes shall be submitted to California Department of Fish and Wildlife, U.S. Fish and Wildlife Service, and/or National Marine Fisheries Service, as appropriate, for approval prior to commencement of biological surveys. The qualified biologist(s) should have all the necessary permits and experience as determined by the regulatory agencies. • A pre-construction survey shall be conducted no more than 48 hours prior to commencement of construction activities by a qualified biologist. If special-status species are observed within the work area or immediate surroundings, these areas shall be avoided until the animal(s) has (have) vacated 	Bullets 1-4	ER	Prior to Construction and Maintenance	PM	

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<p>the area and/or the animal(s) are relocated out of the project area by a qualified biologist with regulatory agency approval.</p> <ul style="list-style-type: none"> • The work area shall be surveyed weekly during construction to ensure that no special-status species are impacted by construction activities. If species are observed within the project site or immediate surroundings, these areas shall be avoided until individuals have vacated the area or relocated out of the project area. If special-status species have re-entered the previously cleared work site, a qualified biologist shall remove special-status species from the work area and guide placement of exclusion fencing, if needed, to avoid species re-entry into the work area. The qualified biologist or designated trained monitor will notify the onsite construction inspector to stop work if a protected species is encountered until such a time as the animal may be moved to an area outside of the project area. • A qualified biologist shall complete a preconstruction training session for all construction crew staff see Mitigation Measure BIO-1. The training shall include a discussion of the sensitive biological resources within the project site and the potential presence of special-status species. This shall include a discussion of special-status species' habitats, protection measures to ensure species are not impacted by project activities, project boundaries, biological conditions 					

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<p>outlined in the project permits, and procedures to follow if sensitive wildlife species are found.</p> <ul style="list-style-type: none"> • SVCSO shall prepare a Special-Status Aquatic Species Relocation Plan prior to relocating aquatic species out of construction or maintenance areas. The Special-Status Aquatic Species Relocation Plan shall be submitted to California Department of Fish and Wildlife for approval prior to commencement of relocating aquatic species out of construction or maintenance areas. The relocation plan at a minimum shall include the following: <ol style="list-style-type: none"> 1. Qualifications of individuals conducting relocation activities, including documented experience with successful relocations for the relevant species and all required authorizations. A qualified biologist (including those specializing in botany, wildlife, and fisheries) is an individual who shall have a minimum of five years of academic training and professional experience in biological sciences and related resource management activities with a minimum of two years conducting surveys for each species that may be present within the Proposed Project site; 2. Life stages (juveniles and adults) of the aquatic species that would be relocated if they are present, and life stages at which relocation may not be feasible, for example, for eggs and associated avoidance measures; 	<p>Bullet 5 - prepare and implement relocation plan</p>	<p>ER</p>	<p>Prior to Construction and Maintenance</p>	<p>PM</p>	

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<ul style="list-style-type: none"> 3. Survey methods for identifying special-status species in the project area, which are anticipated to include dipnetting, seining, and electrofishing; 4. Capture and relocation methods, including dipnetting, seining, and electrofishing, including following the Restraint and Handling of Live Amphibians Standard Operation Procedures, prepared by USGS, dated February 16, 2001; 5. Identification and description of the relocation area using the following criteria for selecting relocation sites: proximity to the work area, similar water temperature as capture location, ample habitat availability prior to release of captured aquatic species, and low likelihood of animals reentering work site; 6. Description of potential impacts from the proposed electrofishing to non-fish species, and methods for minimizing such impacts; 7. Monitoring of water quality and health of relocated animals; 8. Method for ensuring relocated animals do not return to the Project area, such as location of block nets or cofferdams, which will be determined in the field based on wetted conditions onsite at the time of project construction; and 					

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<p>9. The Special-Status Aquatic Species Relocation Plan shall be submitted to California Department of Fish and Wildlife for approval prior to commencement of relocating aquatic species out of construction or maintenance areas.</p>					
<p>Mitigation Measure BIO-5: Special-status and Nesting Bird Protection The Sonoma Valley County Sanitation District (SVCS) shall ensure nesting birds are protected during project construction through implementation of the following measures:</p> <ul style="list-style-type: none"> • If construction or maintenance activities must be scheduled during the nesting season (February 15 through August 15 for most birds), a qualified biologist, familiar with the species and habitats in the area, will conduct pre-construction surveys for raptors within suitable habitat within 500 feet of construction and maintenance activities and passerine nesting birds within 50 feet of construction and maintenance activities. The surveys shall be conducted no more than one week before initiation of construction or maintenance activities. If no active nests are detected during surveys, activities may proceed. Vegetation removal activities will be conducted under the guidance of a qualified biologist or designated trained monitor. • If active nests are identified in the project area, non-disturbance buffers shall be established at a distance of 500 feet for raptors and 50 feet for all other bird species. Buffer distance may be adjusted with CDFW approval if the adjustment will not disturb birds. If active nests are found within 500 feet of a work area, a qualified biologist shall be on 	<p>Bullet 1 - schedule time for nest survey with ER</p> <p>Bullet 1 – conduct nesting bird survey</p> <p>Bullet 2 - establish nest buffers</p>	<p>Construction Inspection</p> <p>ER</p> <p>ER</p>	<p>1 week prior to construction and maintenance</p> <p>1 week prior to construction and maintenance</p> <p>During construction and maintenance</p>	<p>Construction Inspection</p> <p>PM</p> <p>PM</p>	

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<p>On-site and off-site enhancement may include one or more of the following: increasing native plant species abundance within the area impacted, managing invasive plants, installing native wetland vegetation on or offsite, and/or acquiring credit from an approved wetland mitigation bank. The appropriate mitigation ratio shall be negotiated with the USACE and SFBWQCB. The enhancement effort shall require implementation of a five-year monitoring program with applicable performance standards negotiated with the resource agencies, which will include criteria such as establishing 80 percent survival rate of restoration plantings, increase in vegetative cover by native plant species, and a self-sustaining habitat condition.</p>	<p>Prepare and implement monitoring program</p>	<p>ER</p>	<p>Prior to construction</p>	<p>PM</p>	
Cultural Resources					
<p>Mitigation Measure CUL-1: Protection of Inadvertent Discovery of Historical and Archaeological Resources and Worker Awareness Training. The Sonoma Valley County Sanitation District (SVCSD) shall ensure the following measures are implemented during the Proposed Project to protect historic and archaeological resources:</p> <ol style="list-style-type: none"> 1. The contractor shall comply with SVCSD’s Standard Contract Documents regarding the discovery of cultural resources, including Native American cultural resources and items of historical and archaeological interest. The SVCSD Construction Inspector and construction personnel will be notified of the possibility of encountering cultural resources during project construction. 	<p>Include items 1-2 in the project contract specifications</p>	<p>Technical Writing</p>	<p>Contractor Agreement</p>	<p>Technical Writing</p>	

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<p>the services of a qualified professional archaeologist who meets the U.S. Secretary of Interior’s professional standards (48 Fed. Reg. 44716, 44738-44739 and Appendix A to 36 CFR 61) to evaluate the significance of the items prior to resuming any activities that could impact the site.</p> <p>b. In the case of an inadvertent archaeological discovery, if it is determined that the find is potentially eligible for listing in the California Register of Historical Resources and/or National Register of Historic Places, and the site cannot be avoided, additional mitigation measures shall be implemented. Mitigation measures may include (but are not limited to): avoidance; capping the site; deeding the site into a permanent conservation easement; or data recovery excavation. Mitigation measures for archaeological resources shall be developed in consultation with responsible agencies, and the culturally affiliated Native American tribe<u>Federated Indians of Graton Rancheria</u>. If data recovery excavation is necessary, SVCSD shall provide an Archaeological Resource Management and Data Recovery Plan, prepared by a qualified archaeologist <u>and the Federated Indians of Graton Rancheria</u>, outlining recovery of the resource, analysis, and reporting of the find. The Archaeological Resource Management and Data Recovery Plan shall be approved by SVCSD and affected Native American tribe<u>the Federated Indians of Graton Rancheria</u>. Implementation of the Archaeological Resource Management and Data Recovery Plan shall be conducted prior to work being resumed.</p>					

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<p>Mitigation Measure CUL-2: Protection of Inadvertent Discovery of Human Remains</p> <p>The Sonoma Valley Sanitation District shall ensure the project specifications require the contractor to comply with Public Resources Code 5097.98 and Health and Human Safety Code 7050.5, as they pertain to the discovery of human remains. If human remains are encountered, the contractor shall halt work in the vicinity of the find, and contact the Sonoma Valley County Sanitation District’s Construction Inspector and the Sonoma County Coroner in accordance with Public Resources Code Section 5097.98 and Health and Safety Code Section 7050.5. Work shall cease in the immediate area until the Section 5097.8 process is concluded.</p>	Include measure in the project contract specifications	Technical Writing	Contractor Agreement	Technical Writing	
Geology and Soils					
<p>Mitigation Measure GEO-1: Minimize Erosion, Sedimentation, and Discharge to Surface and Groundwater</p> <p>The SVCSO will require contractors, through project contract specifications within Sonoma Water, and Sonoma Water maintenance staff to implement the following in accordance with Caltrans BMP Manual (Caltrans 2017), if not otherwise included in the project’s Storm Water Pollution Prevention Plan (SWPPP).</p> <ol style="list-style-type: none"> 1. Soil disturbance shall be kept to the minimum footprint necessary to complete the project and existing vegetation should be preserved to the extent feasible. 2. Staging will occur on work areas, access roads, surface streets, designated stockpile areas, or other disturbed areas that are already compacted and only support ruderal vegetation. Similarly, all equipment and materials will be contained within the existing service 	<p>Include measure in the project contract specifications</p> <p>Items 1-13 protections</p>	<p>Technical Writing</p> <p>Construction Inspection</p>	<p>Contractor agreement</p> <p>During construction and maintenance</p>	<p>Technical Writing</p> <p>Construction Inspection</p>	

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<p>roads, paved roads, or other pre-determined staging and stockpile areas. Stockpiling of materials, including portable equipment, vehicles and supplies (e.g., chemicals), shall be restricted to the designated construction staging areas.</p> <p>3. All project-related items, including equipment, stockpiled material, temporary erosion control treatments, and trash, will be removed within 72 hours of project completion.</p> <p>4. As necessary, to prevent sediment-laden water from being released during transport of spoils to onsite disposal locations, truck beds will be lined with an impervious material (e.g., plastic), or the tailgate blocked with wattles, hay bales, or other appropriate filtration material. Trucks may drain excess water by slightly tilting the loads and allowing the water to drain out through the applied filter, only within the active work area where the sediment is being loaded into the trucks.</p> <p>5. No runoff from the staging areas will be allowed to enter waters of the State, including the creeks or storm drains, without being subjected to adequate filtration (e.g., vegetated buffer, hay wattles or bales, silt screens). The discharge of decant water from any onsite temporary sediment stockpile, or storage areas, to waters of the State, including surface waters or surface water drainage courses, outside of the active project site, is prohibited.</p> <p>6. During the dry season (June 15 to October 15), if stockpiled soils will remain exposed and unworked for more than 7 days then erosion control measures will be</p>					

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<p>utilized. During the wet season (October 16 to June 15), no stockpiled soils will remain exposed, unless surrounded by properly installed and maintained silt fencing or other means of erosion control.</p> <p>7. Work will avoid significant rainfall events. Significant rainfall is defined as 0.1 inch of rain in a 24-hour period. Work will resume when conditions allow and as specified in the SWPPP and Construction General Permit for the Proposed Project.</p> <p>8. In anticipation of the first significant rainfall event, exposed soils will be stabilized according to requirements of the SWPPP and Construction General Permit.</p> <p>9. Following completion of construction or maintenance activities, upland soils should be seeded and stabilized using erosion control fabric, straw, and/or hydroseeding using California certified weed free native seeds appropriate for the site.</p> <p>10. Erosion control fabrics shall consist of natural fibers that will biodegrade over time. No plastic or other non-porous material will be used as part of a permanent erosion control approach. Plastic sheeting may be used to temporarily protect a slope from runoff.</p> <p>11. Erosion control measures shall be installed according to manufacturer's specifications.</p> <p>12. Appropriate measures include, but are not limited to, the following (measures utilized would be implemented in accordance with the Caltrans BMP Manual (Caltrans 2017)):</p> <p>a. Silt fences</p>					

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<ul style="list-style-type: none"> b. Straw bale barriers c. Brush or rock filters d. Storm drain inlet protection e. Sediment traps f. Sediment basins g. Erosion control blankets and mats h. Straw wattles i. Soil stabilization (i.e., tackified straw with native seed, jute or geotextile blankets, broadcast and hydroseeding, etc.) <p>13. All temporary construction-related erosion control methods (e.g., silt fences) shall be removed at the completion of construction, or as directed by a qualified erosion control specialist.</p>					
Hazards and Hazardous Materials					
<p>Mitigation Measure HAZ-1: Spill Prevention and Response The SVCSD shall require contractors, through project specifications, to prepare a Storm Water Pollution Prevent Plan (SWPPP). The SWPPP shall comply with Caltrans Storm Water Pollution Prevention Plan and Water Pollution Control Program Preparation Manual and the Caltrans Construction Site Best Management Practices Manual. The SVCSD will require contractors, through project contract specifications, and maintenance staff to follow the SWPPP during all project activities as well as implement the following measures:</p> <ul style="list-style-type: none"> 1. All field personnel shall be appropriately trained in spill prevention, hazardous material control, and cleanup of accidental spills. 2. Equipment and materials for cleanup of spills will be available on site and spills and leaks will be cleaned up 	<p>Include measure in the project contract specifications</p> <p>Items 1-6 spill prevention</p>	<p>Technical Writing</p> <p>Construction Inspection</p>	<p>Contractor Agreement</p> <p>During Construction and Maintenance</p>	<p>Technical Writing</p> <p>Construction Inspection</p>	

Mitigation Measure	Action	Implementing Party	Timing	Responsible Party	Verification (Signature, Date of Compliance)
<p>immediately and disposed of in accordance with local, State, and federal regulations.</p> <p>3. Spill prevention kits shall always be in close proximity when using hazardous materials (e.g., crew trucks and other logical locations). Spill clean-up materials will be stockpiled where they are readily accessible. All field personnel shall be advised of these locations and trained in their appropriate use.</p> <p>4. During construction and maintenance activities, Sonoma Water staff and contractor(s) will routinely inspect the work site to verify that items 1-3 above are properly implemented and maintained.</p> <p>5. Absorbent materials will be used on small spills located on impervious surface rather than hosing down the spill; wash waters shall not discharge to the storm drainage system or surface waters. For small spills on pervious surfaces such as soils, wet materials will be excavated and properly disposed rather than burying it. The absorbent materials will be collected and disposed of properly and promptly.</p> <p>6. Vehicle and equipment maintenance activities will be conducted offsite or in a designated, protected area away from flowing water equipped with secondary containment and designed to avoid a direct connection to underlying soil, surface water, or the storm drainage system for stationary equipment that must be fueled.</p>					

Mitigation Measure	Action	Implementing Party	Timing	Responsible Party	Verification (Signature, Date of Compliance)
Noise					
<p>Mitigation Measure NOI-1: Minimize Construction Noise The SVCSD shall ensure the following construction noise reduction measures are implemented during construction and maintenance of the Proposed Project:</p> <ul style="list-style-type: none"> • Noise-generating activities construction and maintenance activities shall be limited to 7:00 a.m. to 7:00 p.m. Monday through Friday and 8:00 a.m. to 6:00 p.m. on Saturdays. No construction or maintenance shall be scheduled on Sundays or holidays. • Power equipment (vehicles, heavy equipment, and hand equipment) will be equipped with manufacturer’s sound-control devices, or alternate sound control that is no less effective than those provided as original equipment. Equipment will be operated and maintained to meet applicable standards for construction noise generation. No equipment will be operated with an unmuffled exhaust. All internal combustion engine driven equipment shall be equipped with intake and exhaust mufflers, which are in good condition and appropriate for the equipment. • Unnecessary idling of internal combustion engines shall be strictly prohibited. • Staging of construction equipment and all stationary noise-generating construction equipment, such as air compressors and portable power generators, shall be staged as far as practical from residences. 	<p>Include measure in the project contract specifications</p> <p>Bullets 1-4</p>	<p>Technical Writing</p> <p>Construction Inspection</p>	<p>Contractor Agreement</p> <p>During Construction and Maintenance</p>	<p>Technical Writing</p> <p>Construction Inspection</p>	

Mitigation Measure	Action	Implementing Party	Timing	Responsible Party	Verification (Signature, Date of Compliance)
Tribal Cultural Resources					
<p>Mitigation Measure TCR-1: Tribal Monitor During Ground-disturbing Activities and Inadvertent Discovery of Tribal Cultural Resources</p> <p>The Sonoma Valley County Sanitation District shall ensure a qualified archaeologist and a representative from a culturally affiliated tribe <u>the Federated Indians of Graton Rancheria (Tribe)</u> are present to monitor ground-disturbing activities.</p> <p><u>If during ground-disturbing activities, a tribal cultural resource is inadvertently encountered, the contractor shall halt work within 50 feet of the find to allow the Tribal Monitor from the Federated Indians of Graton Rancheria to assess the find. If the resource is an archaeological discovery eligible for listing in the California Register of Historical Resources and/or National Register of Historic Places, Mitigation Measure CUL-1 shall apply. If human remains or grave/burial goods are identified, Mitigation Measure CUL-2 shall apply. If the Tribal Monitor determines the find is a tribal resource, the monitor shall notify Sonoma Water’s Construction Inspector. Sonoma Water shall engage in consultation with the Tribe to develop a plan to avoid or minimize the potential for significant adverse impacts to tribal cultural resources, which may include, but is not limited to, one or more of the following:</u></p> <ul style="list-style-type: none"> <u>avoidance and preservation in place during construction activities;</u> <u>the Tribe will recover and retain the resource in the form and manner deemed appropriate by the Tribe for cultural purposes;</u> 	<p>Include measure in project contract specifications</p> <p>Provide work schedule to PM</p> <p><u>Arrange tribal monitor</u></p>	<p>Technical Writing</p> <p>Construction Inspection</p> <p><u>ER</u></p>	<p>Contractor Agreement</p> <p>Prior to Construction and Maintenance</p> <p><u>Prior to Construction and Maintenance</u></p>	<p>Technical Writing</p> <p>Construction Inspection</p> <p><u>PM</u></p>	

Mitigation Measure	Action	Implementing Party	Timing	Responsible Party	Verification (Signature, Date of Compliance)
<ul style="list-style-type: none"> • <u>treating the resource with culturally appropriate dignity taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:</u> <ul style="list-style-type: none"> ○ <u>protecting the cultural character and integrity of the resource, including identifying appropriate reburial locations</u> ○ <u>protecting the traditional use of the resource</u> ○ <u>protecting the confidentiality of the resource</u> 					