

PLACER COUNTY SMD 3 REGIONAL SEWER PROJECT DRAFT MITIGATION MONITORING AND REPORTING PLAN

PURPOSE OF AND NEED FOR MONITORING

In compliance with the National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA), a Draft Environmental Assessment (EA)/Environmental Impact Report (EIR) has been prepared for the Placer SMD 3 Regional Sewer Project (Proposed Project). The Draft EA/EIR identifies potentially significant impacts that would potentially affect the resource areas listed below, along with mitigation measures to reduce those impacts.

- Aesthetics (Including Visual Resources)
- Air Quality, Greenhouse Gases and Climate
- Biological Resources (Including Vegetation, Wildlife, Fisheries and Special Status Species)
- Cultural Resources
- Geology, Soils and Seismicity
- Hazardous Materials and Environmental Hazards (Including Toxic and Radiological Waste)
- Hydrology and Water Quality
- Land Use, Planning, and Community Effects
- Noise
- Recreation
- Traffic and Circulation
- Utilities and Service Systems
- Socioeconomic Conditions/Environmental Justice

CEQA requires that a lead agency adopt a Mitigation Monitoring and Reporting Plan (MMRP) for the measures the agency has proposed to avoid or mitigate significant environmental effects (State CEQA Guidelines Section 15097). The purpose of the MMRP is to ensure that the mitigation measures identified in the EA/EIR are implemented and to identify who is responsible for their implementation.

MITIGATION MONITORING AND REPORTING PROGRAM

Public Resources Code Section 21081.6 specifies that when a public agency makes findings required by paragraph (1) of subdivision (a) of Section 21081, it “shall adopt a reporting or monitoring program for the changes made to the project or conditions of project approval, adopted in order to mitigate or avoid significant effects on the environment.” Public Resources Code Section 21081.6 further specifies that the MMRP “ensure compliance during project implementation.”

This MMRP for the Proposed Project identifies mitigation measures, the parties responsible for implementing and monitoring the measures, the timing of each measure, and a summary of the actions necessary to implement and monitor each measure. This MMRP is intended to ensure the effective

implementation of mitigation measures that are within the County's authority to implement, including monitoring where identified, throughout all phases of development and operation of the Proposed Project. Where the responsibility of implementing the mitigation is listed as belonging to Placer County, the County may choose to delegate that responsibility to the construction contractor or other qualified individual as deemed appropriate by the County and any other regulatory agency.

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Measure	Timing	Implementation Responsibility	Monitoring/ Reporting Responsibility	Notes
Aesthetics				
<p>Mitigation Measure 3.1-2: Implement Best Management Practices when Installing New or Upgraded Lighting.</p> <p>Design plans shall configure exterior light fixtures to emphasize lower intensity light. Lighting shall be directed downward in order to minimize glare on adjacent uses and minimize impacts to night sky views. All exterior lighting shall be a “full cut-off” design so that the light source is fully screened from off-site. Any freestanding lights shall be fixed (non-tilting) to prevent glare, and a flat lens shall be used (no drop lenses).</p>	Prior to and during construction	Placer County	Placer County	
Air Quality				
<p>Mitigation Measure 3.2-1: Prepare and Implement a Construction Emissions/Dust Plan.</p> <p>The Contractor shall prepare, and the County shall submit, a construction Emissions/Dust Plan to the PCAPCD. Approval of the Plan from PCAPCD shall be obtained prior to breaking ground. At a minimum, the Plan shall require implementation of the following measures:</p> <ul style="list-style-type: none"> ▪ A comprehensive inventory (e.g. make, model, year, emission rating) of all heavy-duty off-road equipment (50 horsepower or greater) that will be used in aggregate of 40 or more hours for the construction project. If any new equipment is added after submission of the Plan, the primary contractor shall contact the PCAPCD prior to the new equipment being utilized. At least three business days prior to the use of subject heavy-duty off-road equipment, the primary contractor shall provide the PCAPCD with the anticipated construction timeline including start date, name, and phone number of the property owner, project manager, and on-site foreman. ▪ Construction contractors shall utilize existing power sources (e.g., power poles) or clean fuel (e.g., gasoline, biodiesel, 	Prior to and during construction	Placer County	Placer County	Construction Emissions/Dust Plan to be submitted to the PCAPCD prior to construction. Placer County will ensure compliance during construction.

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<p>natural gas) generators rather than temporary diesel power generators.</p> <ul style="list-style-type: none"> ▪ Construction contractors shall minimize idling time during construction to a maximum of five minutes for all diesel powered equipment whenever feasible. ▪ Construction contractors shall suspend all grading operations when winds are greater than 25 miles per hour. 				
<p>Mitigation Measure 3.2-3a: Monitor Force Main Construction Activities Between Shady Lane and Lake Circle to Identify NOA.</p> <p>The County shall retain a qualified geologist or geotechnical engineer to monitor construction of the force main alignment between Shady Lake Lane and Lake Circle to determine the presence or absence of NOA. If NOA is not identified by the qualified geologist, then no further mitigation is required.</p>	<p>Prior to and during construction</p>	<p>Placer County</p>	<p>Placer County</p>	<p>A qualified geologist or geotechnical engineer shall be obtained prior to construction and monitoring shall be conducted during construction.</p>
<p>Mitigation Measure 3.2-3b: Implement Asbestos Dust Mitigation Plan (ADMP) if NOA is Identified.</p> <p>If the construction monitoring results in the positive identification of NOA, or if NOA is encountered at anytime during construction, the County shall implement the following:</p> <ul style="list-style-type: none"> ▪ The County shall prepare, and submit to PCAPCD for review and approval, an Asbestos Dust Mitigation Plan (ADMP) pursuant to CCR Title 17 Section 93105. The ADMP shall address the following: <ul style="list-style-type: none"> ○ Track-out prevention and control measures ○ Keeping active storage piles adequately wetted or covered with tarps ○ Control for disturbed surface areas and storage piles that will remain inactive for more than seven (7) days ○ Control for traffic on on-site unpaved roads, parking lots, and staging areas ○ Control for earthmoving activities ○ Control for off-site transport ○ Post-construction stabilization of disturbed areas ○ Air monitoring for asbestos (If required by the PCAPCD) ○ Frequency of reporting 	<p>Prior to and during construction</p>	<p>Placer County</p>	<p>Placer County</p>	<p>Asbestos Dust Mitigation Plan (ADMP) to be submitted to the PCAPCD prior to construction. Placer County will ensure compliance during construction.</p>

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<ul style="list-style-type: none"> ▪ If NOA is present in concentrations greater than the permissible exposure limits of the Department of Labor, Occupational Safety and Health Administration (0.1 fiber per cubic centimeter (f/cc) of air averaged over an eight hour work shift or 1.0 f/cc averaged over a 30 minute sampling period) then the County shall cease construction immediately and implement the ADMP including applicable construction worker protection measures as defined under Title 8 of the California Code of Regulations, Section 1529 (g), and any additional measures required under the California Occupational Safety and Health Administration, to reduce exposure of construction workers to airborne NOA. ▪ The County shall not use the NOA containing material as surfacing material. The NOA containing material can be reused at the site for subgrade material covered by other non-asbestos-containing material. 				
<p>Mitigation Measure 3.2-7a: Utilize Alternative Fuel Sources.</p> <p>Through contractual obligations, the County shall require that five percent of construction equipment and vehicle use alternative fuel sources, such as electricity or biodiesel.</p>	During construction	Placer County	Placer County	
<p>Mitigation Measure 3.2-7b: Recycle Construction Waste.</p> <p>Through contractual obligations, the County shall require that construction waste be recycled to the maximum extent feasible, with the goal of exceeding a 50 percent diversion rate. This shall include recycling all demolition and excavation materials suitable for reuse.</p>	During construction	Placer County	Placer County	
Biological Resources (Including Vegetation, Wildlife, Fisheries and Special Status Species)				
<p>Mitigation Measure 3.3-1a: Conduct Construction Crew Training and Implement Avoidance Measures for Activities within 30-feet of VELB Habitat.</p> <p>In accordance with Section 7 of the FESA, the USACE shall consult with the USFWS to develop appropriate protective, minimization, and mitigation measures to avoid impacts to VELB. At a minimum, the</p>	Prior to and during construction	Placer County	Placer County	

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<p>following measures shall be implemented:</p> <ol style="list-style-type: none"> 1) High visibility construction fencing shall be placed around the four elderberry shrubs along the proposed force main route (ELDs 3, 7, 8, and 12) and the one elderberry shrub within the WWTP site (ELD 1a). In addition, high visibility construction fencing shall be placed at the edge of the construction footprint in all areas along the proposed pipeline route located within 30 feet of the four elderberry shrubs (ELDs 3, 7, 8, and 12). The fencing shall extend in an approximately 30-foot radius centered on each elderberry shrub, as allowed by the road, to denote the limit of disturbance and beginning of the avoidance areas along the proposed pipeline route. Avoidance areas are defined as all areas within the 30-foot fenced buffer surrounding the elderberry bushes. A biologist shall be present during the installation of the construction fencing around all five elderberry shrubs. The construction fencing will not be removed until construction activities in the vicinity of the avoidance areas have been completed. 2) Two signs will be erected approximately 20 feet apart along the high visibility construction fencing within each of the five avoidance areas with the following information: "This area is habitat of the valley elderberry longhorn beetle, a threatened species, and must not be disturbed. This species is protected by the FESA, as amended. Violators are subject to prosecution, fines, and imprisonment." The signs should be clearly readable from a distance of 20 feet, and must be maintained for the duration of construction. 3) A qualified biologist approved by the USFWS will conduct an environmental awareness training to instruct all construction personnel crews about the status of the VELB and the need to protect its elderberry host plant. The training will include identification of special status species, required practices before the start of construction, general measures that are being implemented to conserve these species as they relate to the Proposed Project, penalties for noncompliance, and boundaries of the study area and of the permitted disturbance zones. Supporting materials containing training information will be prepared and distributed. Upon completion of training, all 				
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<p>construction personnel will sign a form stating that they have attended the training and understand all the conservation measures. Training will be conducted in languages other than English, as appropriate. Proof of this instruction will be kept on file with the contractor. The County will provide the USFWS with a copy of the training materials and copies of the signed forms by project staff indicating that training has been completed within 30 days of the completion of the first training session. The biologist will request that a representative volunteer train and provide training materials to any new crew members that were not present at the first environmental awareness training. Copies of signed forms will be submitted monthly as additional training occurs for new employees.</p> <p>4) Staging areas will be located at least 30 feet from the five elderberry shrubs. Temporary stockpiling of excavated or imported material will occur only in approved construction staging areas. Excess excavated soil will be used onsite or disposed of at a regional landfill or other appropriate facility.</p> <p>5) Standard precautions will be employed by the construction contractor to prevent the accidental release of fuel, oil, lubricant, or other hazardous materials.</p> <p>6) A litter control program will be instituted. The contractor will provide closed garbage containers for the disposal of all food-related trash items (e.g., wrappers, cans, bottles, food scraps). All garbage will be removed daily.</p> <p>7) Roadways and areas disturbed by project activities within the 60-foot buffer to the north and south of the five elderberry shrubs within the study area will be watered at least twice a day to minimize dust emissions.</p>				
<p>Mitigation Measure 3.3-1b: Implement Biological Monitoring and Avoidance Measures for Activities within 20 feet of VELB Habitat.</p> <p>The following mitigation measures will be implemented to minimize adverse effects to VELB habitat within 20 feet of the proposed pipeline route:</p> <p>1) A biologist will monitor all construction activities occurring within 20 feet of ELD 7 to ensure that it is not harmed.</p>	<p>Prior to and during construction</p>	<p>Placer County</p>	<p>Placer County</p>	

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<p>2) The contractor will ensure that dust control measures (e.g., watering) are implemented in the vicinity of ELD 7. To further minimize adverse effects associated with dust accumulation, ELD 7 will be covered by a protective cloth (i.e., burlap or weed mat) during all ground-disturbing activities occurring within 20 feet of ELD 7. The cloth will be removed daily and immediately after ground-disturbing activities are completed. The cloth will extend from the ground upwards a minimum of six feet along the elderberry shrub.</p> <p>3) No insecticides, herbicides, fertilizers, or other chemicals that might harm VELB or the elderberry shrub will be used within the study area.</p> <p>4) The County will provide a written description of how the construction areas are to be restored, protected, and maintained after construction is completed.</p> <p>5) Equipment operators will refrain from working within the dripline of ELD 7 to the maximum extent practicable.</p> <p>6) Staging areas shall be located at least 100 feet from ponds, perennial streams, and riparian vegetation surrounding the ponds and perennial streams.</p> <p>7) Any disturbed areas will be revegetated with native plants and restored to pre-project conditions in the Fall following construction. The installation of the proposed pipeline route will not result in damage to ELD 7.</p>				
<p>Mitigation Measure 3.3-2: Implement Mitigation Measures 3.7-1a, Obtain Coverage Under the SWRCB NPDES General Permit and Implement Water Quality BMPs to Prevent Sedimentation and Erosion, and Mitigation Measure 3.7-1b, Prepare and Implement a Spill Prevention and Frac-out Contingency Plan and 3.7-1b.</p>	<p>Prior to and during construction</p>	<p>Placer County</p>	<p>Placer County</p>	
<p>Mitigation Measure 3.3-3a: Conduct Construction Crew Training, Pre-Construction Survey and Biological Monitoring for Western Pond Turtle.</p> <p>The following mitigation measures will be implemented to avoid or minimize impacts to WPT:</p> <p>1) Prior to commencement of any groundbreaking activities, all</p>	<p>Prior to and during construction</p>	<p>Placer County</p>	<p>Placer County</p>	

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<p>construction personnel will receive training on WPT. The training will be presented in a similar manner as identified for VELB.</p> <p>2) A qualified biologist shall conduct a preconstruction survey within 14 days prior to commencement of construction activities anticipated to occur within 100 feet from riparian vegetation surrounding ponds and streams. A report shall be submitted to the County to document the results of the preconstruction survey.</p> <p>3) Prior to commencement of daily construction activities within a 100-foot buffer of riparian vegetation surrounding the ponds and perennial streams, a qualified biologist will conduct a preconstruction survey for WPT. If WPT is present, the biologist will be allowed sufficient time to move the species from the work site before work activities begin.</p> <p>4) A biological monitor shall be present during all construction activities within a 100-foot buffer of riparian vegetation surrounding the ponds and perennial streams.</p> <p>5) Because WPT may take refuge in cavity-like and den-like structures such as pipes and may enter stored pipes and become trapped, all construction pipes, culverts, or similar structures that are stored at a construction site for one or more overnight periods will be either securely capped prior to storage or thoroughly inspected by the biological monitor for these animals before the pipe is subsequently buried, capped, or otherwise used or moved in any way.</p>				
<p>Mitigation Measure 3.3-3b: Conduct Pre-construction Survey and Avoidance Measures for Pallid Bat.</p> <p>The following mitigation measures will be implemented to avoid or minimize impact to roosting Pallid bats:</p> <p>1) If any trees are proposed for removal, a qualified wildlife biologist shall conduct a focused survey for roosting Pallid bats no more than 14 days prior to the anticipated date of tree removal. Trees that contain cavities will be thoroughly investigated for evidence of bat activity. A report shall be prepared and submitted to the County following the preconstruction survey to document the results. If the preconstruction survey determines that there is no</p>	<p>Prior to construction</p>	<p>Placer County</p>	<p>Placer County</p>	

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<p>evidence of roosts, then no additional mitigation will be required.</p> <p>2) If special status bats are found roosting within any trees slated for removal, the areas shall be demarcated by exclusionary fencing and avoided until a qualified biologist can assure that the bats have vacated the roost.</p> <p>3) The qualified biologist will conduct a focused survey for roosting Pallid bats no more than 14 days prior to the anticipated date of work in the vicinity of the bridges crossing Miners Ravine. Should active roosts be observed, the biologist shall determine when the bat has vacated the bridge to forage (either at dawn or at dusk) and exclusionary fencing shall be installed during the active period when the bat is not roosting beneath the bridge. This mitigation measure applies specifically to Alternatives B and C.</p>				
<p>Mitigation Measure 3.3-3c: Conduct Construction and Vegetation/Tree Removal Activities during the Non-Breeding Season for Migratory Birds and Raptors, and Survey and Avoid Nesting Sites during Construction.</p> <p>The following mitigation measures will be implemented to avoid or minimize impacts to migratory birds and other birds of prey:</p> <p>1) To avoid removing any active special-status species or other non-special status bird and raptor nests, construction and vegetation/tree removal activities will be conducted during the non-breeding season for these species (generally between September 1 and March 1).</p> <p>2) If tree and shrub trimming and removal activities are conducted during breeding season (generally between March 1 and September 1), a qualified biologist shall conduct a preconstruction survey within 14 days prior to commencement of any construction activities to determine if active nests are present. A report shall be prepared and submitted to the County following the preconstruction survey to document the results. If surveys show that there is no evidence of nests, then no additional mitigation will be required provided construction commences within 14 days prior to the preconstruction survey.</p> <p>3) If any active nests are located within the vicinity of the project site, a no-disturbance buffer zone shall be established around the</p>	<p>During construction</p>	<p>Placer County</p>	<p>Placer County</p>	

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<p>nests to avoid disturbance or destruction of the nest. The distance around the no-disturbance buffer will be determined by the biologist in coordination with CDFG and will depend on the level of noise or construction activity, the level of ambient noise in the vicinity of the nest, and line-of-sight between the nest and disturbance. The biologist should delimit the buffer zone with construction tape or pin flags. The no-disturbance buffer will remain in place until after the nesting season (March 1 through September 1) or until the biologist determines that the young have fledged. A report shall be prepared and submitted to the County and CDFG following the fledging of the nestlings to document the results.</p>				
<p>Mitigation Measure 3.3-4a: Identify and Install Construction Fencing Around Sensitive Habitats.</p> <p>Prior to construction, a qualified biologist shall conduct a preconstruction survey and identify all areas to be avoided including riparian habitat, protected trees, drainages, and other areas to the contractor. The contractor shall install high visibility construction fencing to identify the environmentally sensitive areas that are to be avoided.</p>	<p>Prior to construction</p>	<p>Placer County</p>	<p>Placer County</p>	
<p>Mitigation Measure 3.3-4b: Obtain Streambed Alteration Agreement and Replace Impacted Riparian Habitat.</p> <p>Prior to construction activities that would impact riparian habitat, the County shall apply for a Section 1602 Streambed Alteration Agreement from CDFG. The application shall identify any riparian vegetation anticipated to be temporarily disturbed or permanently removed while installing the proposed pipeline within the riparian corridor. As a condition of the permit, impacted riparian habitat shall be restored, replaced, or enhanced at a 2:1 ratio, at minimum, in the same habitat type in the vicinity of the location in which it was disturbed or removed. Riparian habitat restoration, replacement or enhancement plans shall be provided to CDFG and USFWS for review prior to construction. This plan shall establish the duration of monitoring to ensure plant survival, control of noxious weeds, and irrigation protocols, if required. The final ratio will be determined in</p>	<p>Prior to construction</p>	<p>Placer County</p>	<p>Placer County</p>	

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the Section 1602 Streambed Alteration Agreement obtained by the CDFG.				
<p>Mitigation Measure 3.3-5: Prepare Arborist Report and Identify Protected Trees and Replace or Compensate as Recommended.</p> <ul style="list-style-type: none"> ▪ Once the construction footprint is finalized, the County shall flag any trees slated for removal prior to groundbreaking activities. A qualified arborist shall survey trees anticipated for removal, identify any protected trees within the Proposed Project footprint and prepare an Arborist Report. The Arborist Report shall identify all native trees with a DBH of six inches or greater or a combined multiple trunk DBH of at least ten inches within the project footprint. ▪ Each protected tree that is impacted shall be replaced within the vicinity of the proposed pipeline route at a 2:1 ratio of planted to impacted trees or shall be mitigated with the payment of an in-lieu fee of \$100/inch of tree removal. ▪ Replacement trees shall be planted from the same genetic stock in appropriate soils within appropriate habitats as defined in the Arborist Report. An irrigation plan should be developed prior to planting the trees to ensure successful tree establishment. The overall vigor, crown width, and height of these trees shall be monitored for five years. Dead or diseased trees shall be replaced to ensure that an overall survival rate of 80 percent is achieved at the end of the five-year monitoring period 	Prior to and during construction	Placer County	Placer County	
<p>Mitigation Measures 3.3-7: Implement Biological Resources Mitigation Measures 3.3-1 through 3.3-5.</p>	Prior to and during construction	Placer County	Placer County	
Cultural Resources				
<p>Mitigation Measure 3.4-1a: Stop Work and Implement Appropriate Measures for Discovery of Unknown Historic Properties.</p> <p>With the absence of historic properties in the APE, mitigation measures/BMPs for known cultural resources are not warranted. In</p>	During construction	Placer County	Placer County	

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<p>the event of an unanticipated discovery, all work within the vicinity shall cease until compliance with 36 CFR 800.13(b) Discoveries without prior planning is achieved. Procedures for inadvertent discovery include the following:</p> <ul style="list-style-type: none"> • All work within 100 feet of the find shall be halted until a professional archaeologist can evaluate the significance of the find in accordance with NRHP and CRHR criteria. • If any find is determined to be significant by USACE and SHPO then a Memorandum of Agreement (MOA) shall be prepared between USACE and the SHPO to resolve the adverse effects. The Applicant shall provide a Treatment Plan, prepared by an archeologist who meets the Secretary of the Interior’s Standards, outlining data recovery measures to be followed. The Treatment Plan shall be submitted to the County, USACE, and SHPO for review and approval in accordance with the MOA, and shall be implemented prior to resuming construction. <p>All significant cultural or paleontological materials recovered shall be subject to scientific analysis, professional curation, and a report prepared by the professional archaeologist, or paleontologist, according to current professional standards.</p>				
<p>Mitigation Measure 3.4-1b: Stop Work and Implement Appropriate Measures for Discovery of Human Remains.</p> <p>If human remains are encountered during construction activities, work shall halt immediately in the vicinity and the Placer County Coroner should be notified in accordance with California Health and Safety Code Section 7050.5. If human remains are of Native American origin, the Coroner must, in accordance with PRC Section 5097, notify NAHC within 24 hours of this identification. The most likely descendants (MLD) of the deceased will be contacted by the NAHC, and work will not resume until the appointed MLD has made a recommendation for the treatment of, with appropriate dignity, the human remains and any associated grave goods, as provided in Public Resources Code, Section 5097.98. Work may resume if NAHC is unable to identify an MLD or the descendant fails to make a recommendation within 48 hours.</p>	<p>During construction</p>	<p>Placer County</p>	<p>Placer County</p>	

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<p>Mitigation Measure 3.4-1c. Stop Work if Paleontological Resources are Identified and Implement Appropriate Measures.</p> <p>If any paleontological resources (i.e., fossils) are found once project construction is underway, all work in the immediate vicinity must stop and the County will be immediately notified. A qualified paleontologist will be retained to evaluate the find and recommend appropriate mitigation measures for the inadvertently discovered paleontological resources. These measures will be implemented to ensure that the impacts on these resources would be avoided.</p>	<p>During construction</p>	<p>Placer County</p>	<p>Placer County</p>	
<p>Geology, Soils, and Seismicity</p>				
<p>Mitigation Measure 3.5-3: Implement Mitigation Measure 3.7-1a</p> <p>Obtain coverage under the SWRCB NPDES General Permit and implement Water Quality BMPs to prevent sedimentation and erosion.</p>	<p>Prior to and during construction</p>	<p>Placer County</p>	<p>Placer County</p>	<p>The SWRCB NPDES General Permit shall be obtained prior to construction and BMPs shall be implemented during construction</p>
<p>Mitigation Measure 3.5-4: Implement Mitigation Measure 3.7-1a</p> <p>Obtain coverage under the SWRCB NPDES General Permit and implement Water Quality BMPs to prevent sedimentation and erosion.</p>	<p>Prior to and during construction</p>	<p>Placer County</p>	<p>Placer County</p>	<p>The SWRCB NPDES General Permit shall be obtained prior to construction and BMPs shall be implemented during construction</p>
<p>Hazardous Materials and Environmental Hazards (Including Toxic and Radiologic Waste)</p>				
<p>Mitigation Measure 3.6-1: Prepare and Implement an Accidental-Spill Prevention and Response Plan.</p> <p>The County shall ensure through the enforcement of contractual obligations that all contractors prepare and provide on-site an accidental-spill prevention and response plan. The spill prevention and response plan shall be included as a component of the Storm Water Pollution Prevention Plan prepared in accordance with Mitigation Measure 3.7-1a, and will include a list of all hazardous materials used and/or stored on the project site during construction activities. The plan shall additionally include appropriate information</p>	<p>Prior to and during construction</p>	<p>Placer County</p>	<p>Placer County</p>	<p>The spill prevention and response plan shall be developed prior to construction and implemented during construction.</p>

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<p>about initial spill response, containment, and cleanup strategies. Additionally, a list of appropriate County contact information will be included within the spill prevention and response plan.</p> <p>The Federal reportable spill quantity for petroleum products, as defined in 40 Code of Federal Regulations [CFR] 110 is any oil spill that 1) violates applicable water quality standards, 2) causes a film or a sheen upon or discoloration of the water surface, or 3) causes a sludge or emulsion to be deposited beneath the surface of the water or adjoining shorelines. If a spill is reportable, the contractor will notify the Placer County Environmental Health Services Department, which has spill response and cleanup ordinances to govern emergency spill response. A written description of reportable releases must be submitted to CVRWQCB. This submittal must include a description of the release, an explanation of why the spill occurred, and a description of the steps taken to prevent and control future releases. The releases will be documented on a spill report form.</p> <p>If an appreciable spill has occurred and results determine that project activities have adversely affected surface or groundwater quality, the County will be responsible for ensuring that a registered environmental assessor will perform a detailed analysis to identify the likely cause of contamination. This analysis will conform to American Society for Testing and Materials standards and will include recommendations for reducing or eliminating the source or mechanisms of contamination. Based on this analysis, the County or its contractors will select and implement measures to control contamination, with a performance standard that groundwater quality must be returned to baseline conditions</p>				
<p>Mitigation Measure 3.6-2: Supervise and Document the Evaluation, Remediation, Treatment, and/or Disposal of Hazardous Materials.</p> <p>In the event that suspected hazardous materials are encountered during construction activities, all work would be halted until a professional hazardous materials specialist or an equivalent qualified</p>	<p>During construction</p>	<p>Placer County</p>	<p>Placer County</p>	

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<p>individual can identify the materials. If the materials are determined to be hazardous, the materials would be remediated and/or disposed of following applicable regulatory agency regulations and/or guidelines. All evaluation, remediation, treatment and/or disposal of hazardous waste would be supervised and documented by a qualified hazardous waste specialist. All necessary precautions shall be taken to protect the health and safety of site workers, and the applicant shall prepare and adhere to a plan for workers safety following all relevant OSHA requirements.</p>				
<p>Mitigation Measure 3.6-3a: Conduct Soil Sampling Prior to Excavation within the Sand Filter, Sludge Drying Beds, and Trickling Filter to Determine Presence of Hazardous Materials.</p> <p>Prior to construction activities involving material removal within the sand filter, sludge drying beds, and trickling filter, soil sampling must be performed by the County to test for the presence of mercury, RCRA priority metals, and volatile organic pollutant levels that exceed California Office of Environmental Health Hazard Assessment (OEHHA) soil screening levels (OEHHA, 2010) and the subsequent need for the County to dispose of the materials as hazardous materials. Samples shall be analyzed based upon OEHHA soil screening levels.</p>	<p>Prior to construction</p>	<p>Placer County</p>	<p>Placer County</p>	
<p>Mitigation Measure 3.6-3b: Implement Mitigation Measure 3.6-2 - Supervise and Document the Evaluation, Remediation, Treatment, and/or Disposal of Hazardous Materials.</p> <p>Should the result of soil sampling indicate the presence of hazardous materials, the County shall implement Mitigation Measure 3.6-2 to supervise and document the evaluation, remediation, treatment, and/or disposal of hazardous materials. Any contaminated soil or materials would be disposed of at a site approved for that purpose based on the results of the sampling. Uncontaminated soil and materials may be utilized as fill material on the WWTP site.</p>	<p>Prior to and during construction</p>	<p>Placer County</p>	<p>Placer County</p>	
<p>Mitigation Measure 3.6-3c: Perform an Asbestos Survey prior to Demolition of Structures.</p>	<p>Prior to and during</p>	<p>Placer County</p>	<p>Placer County</p>	

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<p>Prior to demolition of WWTP structures and removal of any segments of the SMD 3 pipeline, the County shall hire a Certified Asbestos Consultant (CAC) to perform an asbestos survey (Alternative C only) to determine if ACMs and lead-based paints are present in building materials. If the results of the asbestos survey indicate ACMs and/or lead-based paint are present within the structures that will be demolished, then the County shall require through contractual obligations that the following mitigation measure will be implemented: All construction activities shall comply with all requirements and regulations promulgated through the PCAPCD Asbestos Dust Mitigation Plan. These provisions focus on limiting the emission of asbestos to the atmosphere and require an appropriate waste disposal procedure.</p> <p>Construction activities involving the demolition of structures containing lead based paints shall conform to DHHS recommendations and Cal/OSHA requirements. Recommendations could include construction BMPs such as applying water to the structures and pipelines before, during, and after demolition.</p>	<p>construction</p>			
<p>Mitigation Measure 3.6-4: Implement Fire Hazard Control BMPs during Construction.</p> <p>The County shall ensure through contractual obligations that the following BMPs are implemented during construction:</p> <ul style="list-style-type: none"> • During construction, staging areas, welding areas, or areas slated for use of spark-producing equipment shall be cleared of dried vegetation or other materials that could serve as fire fuel. To the extent feasible, the contractor shall keep these areas clear of combustible materials in order to maintain a fire break. • Any construction equipment that normally includes a spark arrester shall be equipped with an arrester in good working order. This includes, but is not limited to, vehicles, heavy equipment, and chainsaws. 	<p>During construction</p>	<p>Placer County</p>	<p>Placer County</p>	
<p>Mitigation Measure 3.6-7: Implement Project Specific Mitigation for Hazardous Materials. Implement Mitigation Measures 3.6-1</p>	<p>Prior to and during</p>	<p>Placer County</p>	<p>Placer County</p>	

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through 3.6-4.	construction			
Hydrology and Water Resources				
<p>Mitigation Measure 3.7-1a: Obtain Coverage Under the SWRCB NPDES General Permit and Implement Water Quality BMPs to Prevent Sedimentation and Erosion.</p> <p>The County shall comply with the SWRCB NPDES General Permit for Discharges of Storm Water Runoff Associated with Construction Activity (General Permit), Adopted Order 2009-0009-DWQ. The SWRCB requires that all construction sites have adequate control measures to reduce the discharge of sediment and other pollutants to streams to ensure compliance with Sections 303 and 402 of the Clean Water Act. In addition, the General Permit includes post-construction performance standards requiring all construction sites match pre-project hydrology to ensure that the physical and biological integrity of aquatic ecosystems are sustained. To comply with the NPDES permit, the County will file a Notice of Intent with the SWRCB on the SMARTS system and prepare a Storm Water Pollution Prevention Plan (SWPPP) prior to construction, which includes a detailed, site-specific listing of the potential sources of stormwater pollution; pollution prevention measures (erosion and sediment control measures and measures to control non-stormwater discharges and hazardous spills through preparation of an Accidental Spill Prevention and Response Plan – refer to Mitigation Measure 3.6-1); a description of the type and location of erosion and sediment control BMPs to be implemented at the project site, and a BMP monitoring and maintenance schedule to determine the amount of pollutants leaving the Proposed Project site. A copy of the SWPPP must be current and remain on the project site. Control measures are required prior to and throughout the rainy season. Water quality BMPs identified in the SWPPP could include but are not limited to the following:</p> <ul style="list-style-type: none"> ▪ Areas where ground disturbance would occur shall be identified in advance of construction and limited to only approved areas. ▪ All vehicular construction traffic shall be confined to the 	Prior to and during construction	Placer County	Placer County	

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<p>designated access routes and staging areas. See Figure 2-3 for the locations of potential staging areas. Access routes will be located within 20 feet of either side of the proposed force main alignment shown in Figures 2-2, 2-4 and 2-5.</p> <ul style="list-style-type: none"> ▪ All equipment maintenance and cleaning shall be confined to staging areas. Staging areas utilized for equipment maintenance and cleaning shall be located a minimum of 50 feet from streams and waterways. ▪ All supervisory construction personnel shall be informed of environmental concerns, permit conditions, and final project specifications. ▪ Restore disturbed areas to pre-construction contours to the fullest extent possible. ▪ Hay/straw bales and silt fences would be used to control erosion during stormwater runoff events. ▪ Salvage, store, and use the highest quality soil for native re-vegetation/seeding. ▪ Leave drainage gaps in topsoil and spoil piles to accommodate surface water runoff. ▪ Sediment control measures shall be in place prior to the onset of the rainy season and will be maintained until disturbed areas have been re-vegetated. Erosion control structures must be in place and operational at the end of each day if work activities are to occur during the rainy season. ▪ Fiber rolls shall be placed along the perimeter of disturbed areas to ensure sediment and other potential contaminants of concern are not transported off-site or to open trenches. Locations of fiber rolls will be field adjusted as needed and according to the advice of the certified SWPPP inspector. ▪ Vehicles and equipment stored in the construction staging area shall be inspected regularly for signs of leakage. Leak-prone equipment will be staged over an impervious surface or other suitable means will be provided to ensure containment of any leaks. Vehicle/equipment wash waters or solvents will not be discharged to surface waters or drainage areas. ▪ During the USEPA identified rainy season, soil stockpiles and material stockpiles will be covered and protected from the wind and precipitation. Plastic sheeting will be used to cover the stockpiles and straw wattles will be placed at the base for 				
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<p>perimeter control.</p> <ul style="list-style-type: none"> All contractors shall immediately control the source of any leak and immediately contain any spill utilizing appropriate spill containment and countermeasures. All leaks and spills shall be reported to the designated representative of the lead contractor and shall be evaluated to determine if the spill or leak meets mandatory SWPPP reporting requirements. Contaminated media shall be collected and disposed of at an off-site facility approved to accept such media. 				
<p>Mitigation Measure 3.7-1b: Prepare and Implement a Spill Prevention and Fracout Contingency Plan.</p> <p>The County shall prepare a Spill Prevention and Fracout Contingency Plan to ensure that measures are in place to monitor, identify, prevent and, if necessary, contain and remediate any acute effects caused from directional drilling under Miners Ravine. This Spill Prevention and Fracout Contingency Plan will include an action plan for containment of slurry from directional drilling operations in the instance that a fracout occurs in Miners Ravine and will identify which local, state and Federal agencies to notify. At a minimum, the plan shall include the following:</p> <ul style="list-style-type: none"> Identification of riparian and environmentally sensitive areas and design protocols to protect these areas, General procedures for effective management of spill response with geographic boundaries of the Plan, including identification of responsible project personnel and timely detection of frac-outs, Barriers (straw bales or sedimentation fences) will be erected between the bore site and the nearby sensitive resources prior to drilling, as appropriate, to prevent released material from reaching the resource, Specific spill response procedures that provide guidance for response planning and operations, including the proper use and storage of specialized containment equipment. Insurance that proper notification is made to appropriate parties within 24 hours and that documentation of frac-out is completed. Monitoring for the duration of the drilling activities by a qualified biologist. 	<p>Prior to and during construction</p>	<p>Placer County</p>	<p>Placer County</p>	<p>This mitigation only applies to Alternative B and C.</p>

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<p>Mitigation Measure 3.7-3: Implement Mitigation Measure 3.6-3a, Conduct Soil Sampling Prior to Excavation within the Sand Filter/Bioretenion Basin to Determine Presence of Hazardous Materials, and Mitigation Measure 3.6-3b, Supervise and Document the Evaluation, Remediation, Treatment, and/or Disposal of Hazardous Materials.</p>	Prior to and during construction	Placer County	Placer County	
Land Use				
<p>Mitigation Measure 3.8-1: Minimize Potential Impacts to Biological Resources.</p> <p>Implement Mitigation Measures identified in Section 3.3 to minimize potential impacts to biological resources consistent with the Draft Conservation Plan.</p>	Prior to and during construction	Placer County	Placer County	
Noise				
<p>Mitigation Measure 3.9-1: Implement Noise-Reducing Construction BMPs.</p> <p>The County shall ensure through contractual obligations that the following measures are implemented during construction:</p> <ul style="list-style-type: none"> ▪ Construction activities should be limited to the hours of 6 am to 8 pm Monday through Friday and 8 am to 8 pm Saturday and Sunday. ▪ Stationary equipment and staging areas shall be located as far as practical from noise-sensitive receptors to minimize noise disturbance. Noise sensitive receptors are defined to include residential housing, schools, health care facilities, and outdoor activity areas. Equipment shall not be left idling for more than 5 minutes. ▪ All construction vehicles or equipment, fixed or mobile, shall be equipped with properly operating and maintained mufflers and acoustical shields or shrouds, in accordance with manufacturers' specifications. 	During construction	Placer County	Placer County	

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<ul style="list-style-type: none"> ▪ To the extent feasible, existing barrier features (structures) shall be used to block sound transmission between noise sources and noise sensitive land uses. ▪ The County will designate a disturbance coordinator, such as an employee of the general contractor or the project manager for the County, post the coordinator’s contact telephone number conspicuously around the project site, and provide the number to nearby sensitive receptors. The disturbance coordinator shall receive all public complaints, be responsible for determining the cause of the complaints, and implement any feasible measures to alleviate the problem. 				
<p>Mitigation Measure 3.9-3: Prepare and Implement a Blasting Plan.</p> <p>As part of the project plans and specifications, the County will require the contractor to retain a qualified blasting specialist to develop a site-specific blasting program report to assess, control, and monitor airblast and ground vibration from blasting. The report will be reviewed and approved by the County prior to issuance of a blasting permit. The report will include, at minimum, the following measures:</p> <ul style="list-style-type: none"> ▪ The contractor will use current state-of-the-art technology to keep blast-related vibration at offsite residential, other occupied structures and well sites as low as possible, consistent with blasting safety. In no instance will blast vibration, measured on the ground adjacent to a residential, other occupied structure, or well site be allowed to exceed the frequency-dependent limits specified of 0.5 inches per second (in/sec) for surface structures, and 2.0 in/sec for buried pipelines or other buried structures. ▪ The project contractor will use current state-of-the-art technology to keep airblast at offsite residential and other occupied structures as low as possible. In no instance will airblast, measured at a residence or other occupied structure, be allowed to exceed the 0.012-pounds-per-square inch (133-decibcal) limit. Air blast at the property line or right-of-way boundary shall not exceed 0.013 psi (140 dBL). ▪ The project contractor will monitor and record airblast and 	<p>Prior to and during construction</p>	<p>Placer County</p>	<p>Placer County</p>	

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<p>vibration for blasts within 1,000 feet of residences and other occupied structures to verify that measured levels are within the recommended limits at those locations. The contractor will use blasting seismographs containing three channels that record in three mutually perpendicular axes and which have a fourth channel for recording airblast. The frequency response of the instrumentation shall be from 2 to 250 Hertz, with a minimum sampling rate of 1,000 samples per second per channel. The recorded data must be such that the frequency of the vibrations can be determined readily. If blasting is found to exceed specified levels, blasting will cease, and alternative blasting or excavation methods shall be employed that result in the specified levels not being exceeded.</p> <p>Airblast and vibration monitoring shall take place at the nearest offsite residential or other occupied structure. If vibration levels are expected to be lower than those required to trigger the seismograph at that location, or if permission cannot be obtained to record at that location, recording will be accomplished at some closer site in line with the structure. Specific locations and distances where airblast and vibration are measured will be documented in detail along with measured airblast and vibration amplitudes.</p>				
<p>Mitigation Measure 3.9-4: Install a Noise Attenuation Enclosure.</p> <p>A custom noise attenuation enclosure shall be installed around the stand-by generator that reduces the noise level to or below the County's nighttime noise threshold of 45 hourly-Leq, dB at 150 feet. The County shall conduct a post-project noise assessment of the effectiveness of the noise attenuation enclosure.</p>	<p>During construction</p>	<p>Placer County</p>	<p>Placer County</p>	
<p>Recreation</p>				
<p>Mitigation Measure 3.10-1: Maintain Visitor Access and Parking for the Miners Ravine Nature Reserve.</p> <p>The following provision shall be included within the Traffic Control Plan developed pursuant to Mitigation Measure 3.11-1a: a portion of the Miners Ravine Nature Reserve parking lot shall be reserved for</p>	<p>During construction</p>	<p>Placer County</p>	<p>Placer County</p>	

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<p>visitor parking, and access to the Reserve shall be maintained at all times.</p>				
<p>Traffic and Circulation</p>				
<p>Mitigation Measure 3.11-1a: Prepare and Implement a Traffic Control/Traffic Management Plan.</p> <p>The County’s construction contractor shall prepare and implement a Traffic Control/Traffic Management Plan subject to approval by the Placer County Department of Public Works prior to construction in County public road ROW. The traffic control plan shall be submitted to the Placer County Department of Public Works no less than 45 days prior to construction in the County public road right-of-way. The traffic control plan shall be prepared in accordance with professional traffic engineering standards and in compliance with the requirements of Placer County’s encroachment permit requirements. The traffic control plan shall require that at least one lane will remain open during construction and that there will be no road closure. The traffic control plan may include, but not be limited to, the following measures:</p> <ul style="list-style-type: none"> ▪ Identify all access and parking restriction, pavement markings and signage requirements (e.g., speed limit, temporary loading zones). ▪ Identify specific construction methods to maintain traffic flows on affected streets. ▪ Maintain the maximum amount of travel lane capacity during non-construction periods and provide flagger control at sensitive sites to manage traffic control and flows. ▪ Limit the construction work zones to widths that, at a minimum, shall maintain alternate one-way traffic flow past the construction zones. ▪ Limit one-way traffic control to off-peak hours (8:30 am to 3:30 pm). ▪ Post advanced warning of construction activities to allow 	<p>Prior to and during construction</p>	<p>Placer County</p>	<p>Placer County</p>	

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<p>motorists to select alternative routes in advance.</p> <ul style="list-style-type: none"> ▪ Prepare appropriate warning signage and lighting for construction zones. ▪ Require construction crew vehicles to park within designated staging areas. ▪ Maintain steel trench plates at construction sites to restore access across open trenches to minimize disruption of access to driveways and adjacent land uses. Construction trenches in the street shall not be left open after work hours. ▪ Restore streets disturbed by the Proposed Project to their original condition or better, and sweep the roads at the end of each day. ▪ Require coordination of all construction activities with local emergency service providers at least one month in advance. Emergency service providers shall be notified of the timing, location, and duration of construction activities. All roads shall remain passable to emergency service vehicles at all times. 				
<p>Mitigation Measure 3.11-1b: Inform the Public of Lane Closures and Detours.</p> <p>The County shall inform the public and local bicycling clubs of scheduled lane closures and/or detours (if required) through public outreach such as attendance at the Municipal Advisory Council (MAC) and postings in the local newspapers.</p>	<p>Prior to and during construction</p>	<p>Placer County</p>	<p>Placer County</p>	
<p>Mitigation Measure 3.11-3: Implement Mitigation Measure 3.11-1a, Prepare and Implement a Traffic Control/Traffic Management Plan, and Mitigation Measure 3.11-1b, Inform the Public of Lane Closures and Detours.</p>	<p>Prior to and during construction</p>	<p>Placer County</p>	<p>Placer County</p>	
<p>Mitigation Measure 3.11-4: Implement Mitigation Measure 3.11-1a, Prepare and Implement a Traffic Control/Traffic Management Plan, and Mitigation Measure 3.11-1b, Inform the Public of Lane Closures and Detours.</p>	<p>Prior to and during construction</p>	<p>Placer County</p>	<p>Placer County</p>	
<p>Mitigation Measure 3.11-4: Implement Mitigation Measure 3.11-1a, Prepare and Implement a Traffic Control/Traffic Management Plan, and Mitigation Measure 3.11-1b, Inform the Public of Lane</p>	<p>Prior to and during construction</p>	<p>Placer County</p>	<p>Placer County</p>	

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Closures and Detours.				
Utilities and Service Systems				
<p>Mitigation Measure 3.12-3a: Divert a Minimum of 50 Percent of the Solid Waste.</p> <p>The County shall ensure, through project planning and contractual obligations, that a minimum of 50 percent of the solid waste generated during construction of the project is diverted from landfills in accordance with AB 939.</p>	During construction	Placer County	Placer County	