



Well 205 Groundwater Treatment Project

Mitigation Monitoring and Reporting Program

prepared by

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Mitigation Monitoring and Reporting Program

CEQA requires that a reporting or monitoring program be adopted for the conditions of project approval that are necessary to mitigate or avoid significant effects on the environment (Public Resources Code 21081.6). This mitigation monitoring and reporting program is intended to track and ensure compliance with adopted mitigation measures during the project implementation phase. For each mitigation measure recommended in the Final Initial Study – Mitigated Negative Declaration, specifications are made herein that identify the action required, the monitoring that must occur, and the agency or department responsible for oversight.

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Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Compliance Verification Initial	Compliance Verification Date	Compliance Verification Comments
Biological Resources							
BIO-1: General Best Management Practices							
<p>The following general requirements shall be followed by construction personnel:</p> <ul style="list-style-type: none"> ▪ The contractor shall clearly delineate the construction limits and prohibit any construction-related traffic outside those boundaries. ▪ Project-related vehicles shall observe a 10-mile-per-hour speed limit within the unpaved limits of construction. ▪ All open trenches or excavations shall be fenced and/or sloped to prevent entrapment of wildlife species. ▪ All food-related trash items such as wrappers, cans, bottles, and food scraps generated during project construction shall be disposed of in closed containers only and removed daily from the project site. ▪ No deliberate feeding of wildlife shall be allowed. ▪ No pets shall be allowed on the project site during construction. ▪ No firearms shall be allowed on the project site. ▪ If vehicle or equipment maintenance is necessary, it shall be performed in the designated staging areas. ▪ If construction must occur between dusk and dawn, all lighting shall be shielded and directed downward to minimize the potential for glare or spillover onto adjacent properties and to reduce impacts on local wildlife. ▪ All equipment used on site shall be properly maintained to avoid leaks of oil, fuel, or 	<p>Include best management practices in contractor specifications.</p> <p>Field verify implementation of best management practices.</p>	<p>Prior to issuance of contractor bid specifications.</p> <p>During construction activities.</p>	<p>Once</p> <p>Periodically</p>	<p>Santa Clarita Valley Water Agency</p>			

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<p>residues. Provisions shall be in place to remediate any accidental spills immediately.</p> <ul style="list-style-type: none"> A qualified biological monitor familiar with special-status reptile species with potential to occur in the project site shall be present during initial ground disturbance or vegetation removal activities. The biological monitor shall have the authority to temporarily stop work if one or more special-status reptile individuals are observed; the monitor will then relocate these individuals to suitable undisturbed habitat, outside the areas directly and indirectly affected by ground disturbance activities. 							
BIO-2: Nesting Birds							
<p>Project-related activities shall occur outside of the bird breeding season (generally February 1 to August 31) to the extent practicable. If construction must occur within the bird breeding season, a nesting bird pre-construction survey shall be conducted by a qualified biologist within the disturbance footprint plus a 100-foot buffer (300-foot for raptors), where feasible, no more than three days prior to initiation of ground-disturbing activities (including, but not limited to site preparation, vegetation clearance, grading, excavation, and trenching) within the project site. If the proposed project is phased or construction activities stop for more than one week, a subsequent pre-construction nesting bird survey shall be required prior to the start of each phase of ground disturbing activities during bird breeding season.</p> <p>Pre-construction nesting bird surveys shall be conducted during the time of day when birds</p>	Retain a qualified biologist to conduct a pre-construction nesting bird survey.	No more than three days prior to the initiation of ground-disturbing activities during the nesting bird season.	Once	Santa Clarita Valley Water Agency			
	Review nesting bird survey report.	Prior to ground and/or vegetation disturbance activities.	Once				
	If survey results are positive, verify appropriate avoidance buffers are established as determined and demarcated by the biologist.	Prior to ground-disturbing activities during the nesting bird season.	Once				
	Notify construction personnel of the existence of the buffer zones and instruct personnel to avoid	Prior to the initiation of ground-disturbing activities during the nesting bird season.	As needed				

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<p>are active and shall factor in sufficient time to perform this survey adequately and completely. A report of the nesting bird survey results, if applicable, shall be submitted to SCV Water for review and approval prior to ground and/or vegetation disturbance activities.</p> <p>If nests are found, their locations shall be flagged and all work shall cease until an appropriate buffer has been demarcated or a qualified biologist determines the young birds have fledged. An appropriate avoidance buffer ranging in size from 25 to 50 feet for passerine (perching birds) nests, and up to 300 feet for active non-listed raptors nests (depending upon the species and the proposed work activity) shall be determined and demarcated by a qualified biologist with bright orange construction fencing or other suitable flagging. These buffers shall be maintained, and active nests shall be monitored at a minimum of once per week until breeding season has ended or until a qualified biologist has determined the birds have fledged and are no longer reliant upon the nest or parental care for survival. These buffers shall be increased to protect the nesting birds, if necessary, as determined by a qualified biologist. No ground disturbance or vegetation removal shall occur within this buffer until the qualified biologist confirms the breeding/nesting is over and all the young have fledged. If project activities must occur within the buffer, they shall be conducted at the discretion of the qualified biologist. If no nesting birds are observed during pre-construction surveys, no further action would be necessary.</p>	<p>entering buffer zones during the nesting season.</p> <p>Field verify compliance with established buffer zones.</p>	<p>During construction activities during nesting bird season.</p>	<p>Once</p>				

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Cultural Resources							
CR-1: Cultural Resources Sensitivity Training							
Prior to the start of ground-disturbing activities, an archaeologist meeting the Secretary of the Interior’s Professional Qualification Standards for archaeology (National Park Service 1983) shall conduct cultural and tribal cultural resources sensitivity training for all construction workers involved in ground-disturbing activities. A local Native American representative shall participate in the sensitivity training and shall have the opportunity to distribute information regarding cultural resources and/or protection of cultural resources.	Retain a qualified archaeologist and local Native American representative to conduct cultural resources sensitivity training for all construction personnel involving in ground-disturbing activities.	Prior to start of ground-disturbing activities.	Once	Santa Clarita Valley Water Agency			
CR-2: Unanticipated Archaeological Resources							
In the unlikely event archaeological resources are unexpectedly encountered during ground-disturbing activities, work within 50 feet of the find shall be halted, and an archaeologist meeting the Secretary of the Interior’s Professional Qualification Standards for archaeology shall be contacted immediately to evaluate the find. If the find is prehistoric, a local Native American representative shall also be contacted to participate in the evaluation of the find. Impacts to the find shall be avoided to the extent feasible; methods of avoidance may include, but shall not be limited to, capping, fencing, or project redesign. If necessary, the archaeologist may be required to prepare a treatment plan for archaeological testing in consultation with the local Native American representative. If the discovery proves to be eligible for the California Register of Historical Resources and cannot be avoided by the project, additional work, such as data recovery	If archaeological resources are encountered, stop work in the immediate area and contact a qualified archaeologist immediately. If the find is prehistoric, contact a local Native American representative to participate in the evaluation of the find. Evaluate the identified resource as needed.	During ground-disturbing activities, as needed and if archaeological resource is identified.	As needed	Santa Clarita Valley Water Agency			

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excavation, may be warranted to mitigate significant impacts to historical resources.							
Geology and Soils							
GEO-1: Paleontological Resources Monitoring							
Prior to the commencement of project construction, a qualified paleontological monitor (i.e., a paleontologist who meets the Society of Vertebrate Paleontology [2010] standards as a Paleontological Resource Monitor) shall be retained to conduct paleontological monitoring during ground-disturbing activities (including, but not limited to site preparation, grading, excavation, and trenching) of intact (i.e., previously undisturbed) Quaternary old alluvial fan deposits (Qog) at the surface or shallow subsurface. Monitoring shall be supervised by a Qualified Paleontologist (i.e., a paleontologist who meets the Society of Vertebrate Paleontology [2010] standards as a Qualified Professional Paleontologist).	Retain a qualified paleontologist to conduct paleontological monitoring for all ground disturbance within project areas underlain by geologic units with high paleontological sensitivity (Qog) and ground-disturbing activities exceeding three feet below ground surface within project areas mapped as Quaternary young alluvium (Qa).	Prior to the commencement of construction.	Once	Santa Clarita Valley Water Agency			
Full-time paleontological monitoring shall be conducted for all ground disturbance within project areas underlain by geologic units with high paleontological sensitivity (Qog). In addition, full-time paleontological monitoring shall be conducted for ground-disturbing activities exceeding three feet below ground surface within project areas mapped as Quaternary young alluvium (Qa). The qualified paleontological monitor shall document project-related ground-disturbing activities and their location as well as the stratigraphic context of any fossil discoveries. In accordance with Society of Vertebrate	Field verify presence of paleontological monitor during these activities.	During construction activities.	Periodically				

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<p>Paleontology guidelines, the paleontological monitor shall conduct initial (field) processing of sensitive Quaternary old (Pleistocene) sediment samples for small invertebrates or microvertebrate fossils (2010). To avoid construction delays, samples of matrix may need to be removed from the project area and processed elsewhere. If Quaternary old alluvial fan deposits (Qog) and Saugus Formation (QTs) are not observed at the full depth of excavations associated with the proposed project, monitoring can be discontinued. Ground-disturbing activities that impact previously disturbed sediments only do not require paleontological monitoring.</p> <p>The duration and timing of the monitoring shall be determined by the Qualified Paleontologist. If the Qualified Paleontologist determines full-time or part-time monitoring is no longer warranted, he or she may recommend reducing monitoring to periodic spot-checking or may recommend that monitoring cease entirely. Monitoring shall be reinstated if any new ground disturbances of previously undisturbed areas are required, and reduction or suspension shall be reconsidered by the Qualified Paleontologist at that time.</p> <p>If a paleontological resource is discovered, the monitor shall have the authority to temporarily divert construction equipment and implement a 50-foot safety buffer and equipment exclusion zone around the area of a fossil discovery until it is assessed for scientific significance and collected. Once salvaged, significant fossils shall be prepared to a curation-ready condition and</p>	<p>If paleontological resources are encountered, field verify compliance with the 50-foot buffer zone and divert construction equipment.</p>	<p>During construction activities.</p>	<p>As needed</p>				
	<p>Review final report of paleontological monitoring.</p>	<p>Upon completion of construction.</p>	<p>Once</p>				

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<p>curated in a scientific institution with a permanent paleontological collection (such as the Natural History Museum of Los Angeles County or University of California Museum of Paleontology).</p> <p>A final report shall be prepared describing the results of the paleontological monitoring efforts associated with the project. The report shall include a summary of the field and laboratory methods, an overview of the project geology and paleontology, a list of taxa recovered (if any), an analysis of fossils recovered (if any) and their scientific significance, and recommendations. The report shall be submitted to SCV Water. If the monitoring efforts produce fossils, then a copy of the report shall also be submitted to the designated museum repository.</p>							
Hazards and Hazardous Materials							
HAZ-1: Hazardous Materials Management and Spill Control Plan							
<p>Before construction begins, the construction contractor shall develop and implement a Hazardous Materials Management and Spill Control Plan (HMMSCP) that includes a project-specific contingency plan for hazardous materials and waste operations. The HMMSCP shall establish policies and procedures consistent with applicable codes and regulations, including but not limited to the California Building and Fire Codes, as well United States Department of Labor Occupational Safety and Health Administration and California Division of Occupational Safety and Health regulations. The HMMSCP shall articulate hazardous materials handling</p>	<p>Include preparation of an HMMSCP in the contractor specifications.</p>	<p>Prior to issuance of contractor bid specifications.</p>	<p>Once</p>	<p>Santa Clarita Valley Water Agency</p>			
	<p>Review and approve HMMSCP.</p>	<p>Prior to the start of construction activities.</p>	<p>Once</p>				

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practices to prevent the accidental spill or release of hazardous materials.							
HAZ-2: Fire Prevention Measures							
The following measures shall be implemented during project construction:	Include fire prevention measures in contractor specifications.	Prior to issuance of contractor bid specifications.	Once	Santa Clarita Valley Water Agency			
<ul style="list-style-type: none"> ▪ All equipment maintenance, staging, and dispensing of fuel, oil, coolant, or any other such activities shall be restricted to designated areas within the fenced project impact limits. These designated areas shall be located in previously compacted and disturbed areas to the maximum extent practicable in such a manner as to prevent runoff from entering existing native vegetation areas. These areas shall be clearly designated in the construction plans. ▪ Spark arrestors shall be utilized on earth-moving and portable construction equipment. ▪ The construction contractor(s) shall maintain fire suppression equipment, including a water truck with adequate hoses for fire control, a serviceable round point shovel with an overall length of not less than 46 inches, and a serviceable fire extinguisher fully equipped and ready for use at the immediate area, when operating on the project site. ▪ Smoking shall be allowed only in designated areas equipped with sand boxes for the disposal of cigarette butts. 	Field verify implementation of fire prevention measures.	During construction activities.	Periodically				

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<ul style="list-style-type: none"> No motors, engines, stationary equipment, or welding equipment shall operate within 10 feet of flammable vegetation material 							
Hydrology and Water Quality							
HWQ-1: Erosion Control and Stormwater Pollution Prevention							
<p>Upon final design, if the project disturbance area does not exceed one acre and the project is not subject to the requirements of the National Pollutant Discharge Elimination System Construction General Permit, then the following erosion control and stormwater pollution prevention measure shall be implemented during project construction:</p> <ul style="list-style-type: none"> Excavation shall be limited to the dry season of the year (i.e., April 15 to November 1) to the extent practicable. Silt fencing, straw bales composed of rice straw (that are certified to be free of weed seed), fiber rolls, gravel bags, mulching erosion control blankets, soil stabilizers, and/or storm drain filters shall be used, in conjunction with other methods, to prevent erosion throughout the entire project site. Temporary berms and sediment basins shall be constructed and maintained to avoid unnecessary siltation into the existing on-site storm drain inlet during construction activities. 	<p>Include erosion control and stormwater pollution prevention measures in contractor specifications.</p> <p>Field verify implementation of erosion control and stormwater pollution prevention measures.</p>	<p>Prior to issuance of contractor bid specifications if the project disturbance area does not exceed one acre and the project is not subject to the requirements of the National Pollutant Discharge Elimination System Construction General Permit.</p> <p>During construction activities.</p>	<p>Once</p> <p>Periodically</p>	<p>Santa Clarita Valley Water Agency</p>			

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<ul style="list-style-type: none"> ▪ Temporary stockpiling of excavated material shall be minimized. Excavated material shall be stockpiled in areas where it cannot enter the storm drain system. Available stockpiling sites at the project site shall be determined prior to the start of construction. ▪ Upon completion of project construction, all exposed soils present in and around the project site shall be stabilized within seven days. Exposed soils shall be mulched to prevent sediment runoff and transport. All mulches, except hydro-mulch, shall be applied in a layer not less than two inches deep. All exposed soils and fills shall be revegetated with deep-rooted, native, drought-tolerant species to minimize erosion potential. Geotextile binding fabrics shall be used, if necessary, to hold slope soils until vegetation is established. ▪ An adequate supply of erosion control materials (gravel, straw bales, shovels, etc.) shall be maintained on site to facilitate a quick response to unanticipated storm events or emergencies. ▪ Construction equipment shall be inspected daily for leaks of oil, lubricants, or other potential stormwater pollutants. Plastic shall be placed over any ground surface where fueling or equipment maintenance is to occur. Drip pans shall be placed under equipment parked on site. 							

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Tribal Cultural Resources							
TCR-1: Native American Monitoring							
<p>The Santa Clarita Valley Water Agency shall retain a professional Native American monitor procured by the Fernandefio Tataviam Band of Mission Indians or any other Native American Tribe participating in Assembly Bill 52 consultation to observe ground-disturbing activities up to five feet below the surface of native intact soil, unless there is evidence to suggest cultural resources extend below the specified depth. Ground-disturbing activities include, but are not limited to, tree/shrub removal and planting, clearing/grubbing, grading, excavation, trenching, drainage and irrigation removal and installation, and archaeological work. If cultural resources are encountered, the Native American monitor shall have the authority to request ground-disturbing activities cease within 50 feet of the discovery in order to assess and document potential finds in real time.</p> <p>After approximately 50 percent of initial ground-disturbing activities have been completed, the Native American monitor shall discuss with the Santa Clarita Valley Water Agency and its archaeologist the potential to reduce the level of Native American monitoring to "spot monitoring" or even to cease Native American monitoring based on the condition and types of soil observed during monitoring and the monitoring results to-date.</p>	<p>Retain a professional Native American monitor procured by the Fernandefio Tataviam Band of Mission Indians or any other Native American Tribe participating in Assembly Bill 52 consultation.</p>	<p>Prior to the commencement of ground-disturbing activities.</p>	<p>Once</p>	<p>Santa Clarita Valley Water Agency</p>			
	<p>Field verify Native American monitor is present during ground-disturbing activities up to five feet below surface of native intact soil.</p>	<p>During ground-disturbing activities.</p>	<p>Periodically</p>				
	<p>If tribal cultural resources are encountered, field verify ground-disturbing activities within 50 feet of the find have ceased if requested by the Native American monitor.</p>	<p>During ground-disturbing activities.</p>	<p>As needed</p>				

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TCR-2: Archaeological/Cultural Resource Document Submittal							
Any and all archaeological/cultural documents created as a part of the project (e.g., isolate records, site records, survey reports, testing reports, and monitoring reports) shall be provided to any Native American tribal organization that requested and participated in the Assembly Bill 52 consultation process for internal records.	Provide all archaeological/cultural documents created as a part of the project to any Native American tribal organization that participated in the Assembly Bill 52 consultation process.	Upon the completion of construction activities.	Once	Santa Clarita Valley Water Agency			
TCR-3: Native American Consultation							
The Santa Clarita Valley Water Agency shall, in good faith, consult with any Native American tribal organization that requested and participated in the Assembly Bill 52 consultation process on the deposition and treatment of any tribal cultural resource encountered during all ground-disturbing activities.	Consult with Native American tribal organizations that requested and participated in the Assembly Bill 52 consultation process regarding the deposition and treatment of encountered tribal cultural resources.	During construction activities.	As needed	Santa Clarita Valley Water Agency			

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