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**PLEASANT VALLEY COUNTY WATER DISTRICT**

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# Groundwater Sustainability Improvement Program

## Mitigation Monitoring and Reporting Program (MMRP)

*prepared by*

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**January 2023**



**RINCON CONSULTANTS, INC.**

Environmental Scientists | Planners | Engineers

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# **Mitigation Monitoring and Reporting Program**

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The California Environmental Quality Act (CEQA) requires 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 Section 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 (IS-MND), 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
<b>Biological Resources</b>							
<b>BIO-1</b>	<b>Nesting Bird Pre-Construction Survey and Avoidance Buffers</b>						
Project construction activities shall commence outside of the bird breeding season (February 1 to August 31) to the extent practicable. If construction must commence within the bird breeding season, then a nesting bird pre-construction survey shall be conducted by a qualified biologist within the disturbance footprint plus a 300-foot buffer, where feasible, no more than 14 days prior to initiation of ground disturbance and/or vegetation removal. If construction activities stop for more than two weeks during the bird breeding season, a subsequent pre-construction nesting bird survey shall be completed no more than 14 days prior to the re-initiation of construction, should it re-commence during the bird breeding season. Pre-construction nesting bird surveys shall be conducted during a time of day when birds are active and shall factor in sufficient time to perform the survey adequately and completely. A report of the nesting bird survey results, if applicable, shall be prepared and serve as documentation of results. If no nesting birds are observed during the pre-construction survey, no further action is necessary. If nests are found, their locations shall be flagged to facilitate avoidance. An appropriate avoidance buffer of 150 feet for passerines and up to 300 feet for raptors, and depending on the	<ol style="list-style-type: none"> <li>Schedule construction activities to commence outside the bird breeding season (February 1 to August 31) to the extent practicable.</li> <li>If project construction commences within the bird breeding season (February 1 to August 31) or if construction activities stop for more than two weeks during the bird breeding season, retain a qualified biologist to conduct a pre-construction nesting bird survey.</li> <li>If nests are found, flag their location and demarcate an avoidance buffer</li> </ol>	<ol style="list-style-type: none"> <li>Prior to the start of construction</li> <li>No more than 14 days prior to initiation of ground disturbance and/or vegetation removal, and if construction activities cease for more than two weeks in a given work area, no more than 14 days prior to the re-initiation of construction</li> <li>Prior to and during construction, if nests are found</li> </ol>	<ol style="list-style-type: none"> <li>Once</li> <li>Once, unless construction activities stop for more than 14 days</li> <li>As needed</li> </ol>	Pleasant Valley County Water District			

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<p>proposed work activity, shall be determined by a qualified biologist and demarcated with bright orange construction fencing or other suitable flagging. Active nests shall be monitored at a minimum of once per week until it has been determined that the nest is no longer being used by either the young or adults.</p> <p>No ground disturbance shall occur within the buffer(s) until the qualified biologist confirms the breeding/nesting is completed and all the young have fledged. If construction activities must occur within the buffer, they shall be conducted at the discretion of the qualified biologist.</p>	<p>of 150 feet for passerines and up to 300 feet for raptors as determined by a qualified biologist.</p> <p>4. Monitor active nests.</p>	<p>4. A minimum of once per week until the nest is no longer being used by either the young or adults</p>	<p>4. As needed</p>				
<p>5. Prohibit ground disturbance within the active nest buffer(s) until the qualified biologist confirms the breeding/nesting is completed and all the young have fledged. If construction activities must occur within the buffer, they shall be conducted at the discretion of the qualified biologist.</p>	<p>5. Prohibit ground disturbance within the active nest buffer(s) until the qualified biologist confirms the breeding/nesting is completed and all the young have fledged. If construction activities must occur within the buffer, they shall be conducted at the discretion of the qualified biologist.</p>	<p>5. During construction activities, until the qualified biologist confirms breeding/nesting is completed and all the young have fledged</p>	<p>5. As needed</p>				

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	6. Prepare report of nesting bird survey results.	6. Upon completion of the nesting bird survey(s)	6. Once				
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**BIO-2 Avoidance Buffers and Best Management Practices for Aquatic Resources**

Project construction activities shall maintain a 10-foot buffer from the top of the bank of the agricultural ditches. In addition, the following best management practices shall be implemented during project construction:	<ol style="list-style-type: none"> <li>Maintain a 10-foot construction buffer from the top of the bank of the agricultural ditches.</li> <li>Implement best management practices outlined in Mitigation Measure BIO-2.</li> </ol>	<ol style="list-style-type: none"> <li>During project construction</li> <li>During project construction</li> </ol>	<ol style="list-style-type: none"> <li>Continuously</li> <li>Continuously</li> </ol>	Pleasant Valley County Water District			
<ul style="list-style-type: none"> <li>Prior to the start of project activities, all limits of construction work adjacent to the ditches shall be clearly delineated with orange construction fencing or similar highly visible material to be maintained throughout the duration of construction.</li> <li>Any material/spoils generated from project activities shall be located away from the ditches to the extent practicable and protected from stormwater run-off using temporary perimeter sediment barriers such as berms, silt fences, fiber rolls, covers, sand/gravel bags, and straw bale barriers, as appropriate.</li> <li>Materials shall be stored on impervious surfaces or plastic ground covers to prevent spills or leakage from contaminating the waters and vegetation communities within the ditches.</li> <li>Any spillage of material shall be stopped if it can be done safely. The contaminated area shall be cleaned and</li> </ul>							

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any contaminated materials properly disposed of.

- All vehicles and equipment shall be in good working condition and free of leaks.
- Erosion control measures shall be implemented around active work areas, and only natural-fiber, biodegradable meshes and coir rolls, (i.e., no plastic-mesh temporary erosion control measures) shall be used.

**Cultural Resources**

**CUL-1 Worker's Environmental Awareness Program**

A qualified archaeologist shall be retained to conduct a Worker's Environmental Awareness Program training on archaeological sensitivity for all construction personnel prior to the commencement of ground-disturbing activities. The training shall be conducted by a qualified archaeologist who meets the Secretary of Interior's Professional Qualification Standards for archaeology (National Park Service 1983). Archaeological sensitivity training shall include a description of the types of cultural material that may be encountered, cultural sensitivity issues, the regulatory environment, and the proper protocol for treatment of the materials in the event of a find.

Retain a qualified archaeologist to conduct a worker's environmental awareness training program on archaeological sensitivity for all construction personnel.

Prior to the commencement of ground-disturbing activities

Once

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<b>CR-2 Unanticipated Discovery of Cultural Resources</b>							
<p>If archaeological resources are unexpectedly encountered during project-related ground-disturbing activities, work in the immediate area shall be halted and a qualified archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for archaeology (National Park Service 1983) shall be contacted immediately to evaluate the find. If the find is prehistoric, then a Native American representative shall also be contacted to participate in the evaluation of the find. If necessary, the evaluation may require preparation of a treatment plan and archaeological testing for California Register of Historic Resources eligibility. If the discovery proves to be eligible for the California Register of Historic Resources and cannot be avoided by the proposed project, additional work, such as data recovery excavation, may be warranted to mitigate any significant impacts to historical resources.</p>	<p>1. If archaeological resources are encountered, halt work in the immediate area and contact an archaeologist immediately to evaluate the find.</p> <p>2. If the find is prehistoric, contact a Native American representative to participate in the evaluation of the find.</p> <p>3. If necessary, review and approve additional work for evaluation efforts and to mitigate any impacts to eligible resources.</p>	<p>During ground-disturbing activities, as needed and if archaeological resources are identified</p>	<p>As needed</p>	<p>Pleasant Valley County Water District</p>			



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<b>Geology and Soils</b>							
<b>GEO-1 Unanticipated Discovery of Paleontological Resources</b>							
In the event a fossil is discovered during construction of the project, ground disturbance within 50 feet of the find shall be temporarily halted or delayed until the discovery is examined by a Qualified Professional Paleontologist. Pleasant Valley County Water District (PVCWD) shall include a standard inadvertent discovery clause in every construction contract to inform contractors of this requirement. If the find is determined to be significant, PVCWD shall retain a Qualified Professional Paleontologist to direct all mitigation measures related to paleontological resources. The Qualified Professional Paleontologist shall design and carry out a data recovery plan consistent with the Society of Vertebrate Paleontologist (2010) standards.	<ol style="list-style-type: none"> <li>1. Include a standard inadvertent discovery clause in every construction contract to inform contractors of this requirement.</li> <li>2. If paleontological resources are encountered, field verify compliance with the 50-foot buffer zone and divert construction equipment until a Qualified Paleontologist evaluates the find.</li> <li>3. If the find is determined to be significant, review and approve data recovery plan and further</li> </ol>	<ol style="list-style-type: none"> <li>1. Prior to issuance of construction bid packages</li> <li>2. During ground-disturbing activities, as needed and if a paleontological resource is identified</li> <li>3. During ground-disturbing activities, as needed and if a paleontological resource is identified</li> </ol>	<ol style="list-style-type: none"> <li>1. Once</li> <li>2. As needed</li> <li>3. As needed</li> </ol>	Pleasant Valley County Water District			

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mitigation measures, if needed.

**Hazards and Hazardous Materials**

**HAZ-1 Hazardous Materials Management and Spill Control Plan**

PVCWD shall require its construction contractor(s) to submit a Hazardous Materials Management and Spill Control Plan (HMMSCP), including a project-specific contingency plan for hazardous materials and waste operations to PVCWD for review and approval. 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 as regulations promulgated by the United States Department of Labor, United States Occupational Safety and Health Administration, and California Occupational Safety and Health Administration. The HMMSCP shall articulate hazardous materials handling practices to prevent the accidental spill or release of hazardous materials during project construction.

1. Review and approve an HMMSCP that includes the elements outlined in Mitigation Measure HAZ-1.
2. Field verify implementation of the HMMSCP.

1. Once
2. Periodically

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**HAZ-2 Traffic Control Plan**

PVCWD shall require the project contractor(s) to prepare and implement a traffic control plan that specifies how traffic will be safely and efficiently redirected during lane closures. All work shall comply with the Work Area Traffic Control Handbook, which conforms to the standards and guidance of the California

1. Review and approve a traffic control plan that includes the elements outlined in Mitigation

1. Once

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Manual on Uniform Traffic Control Devices. Traffic control measures for lane closures shall be included, and priority access shall be given to emergency vehicles. The traffic control plan shall also include requirements to notify local emergency response providers at least one week prior to the start of work when lane closures are required.	<ul style="list-style-type: none"> <li>2. Measure HAZ-</li> <li>2. Field verify implementation of traffic control plan.</li> </ul>	<ul style="list-style-type: none"> <li>2. During construction.</li> </ul>	<ul style="list-style-type: none"> <li>2. Periodically</li> </ul>				