

# Addendum No. 1 - Mitigation Monitoring and Reporting Program

## Carpinteria Advanced Purification Project

SCH# 2019011016

Prepared for:



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## 1. MITIGATION MONITORING AND REPORTING PROGRAM

Mitigation measures have been identified in the Environmental Impact Report (EIR) for the *Carpinteria Advanced Purification Project* (Proposed Project or CAPP) to reduce potential environmental impacts of the Proposed Project to less than significant levels, and minor modifications made under Addendum No. 1 to the EIR, in October 2024. Carpinteria Valley Water District (CVWD), its partner Carpinteria Sanitary District (CSD), and their contractors are required to implement the adopted mitigation measures for the Proposed Project in accordance with the EIR and Addendum No. 1. This Mitigation Monitoring and Reporting Program (MMRP) contains a checklist and description of all adopted mitigation measures, including the responsible parties, timing, and completion criteria. This MMRP also includes the environmental commitments described in the *Section 2.10 Environmental Commitments* in the Draft EIR (page 2-27 of the Draft EIR), as revised by *Section 3 Errata* in the Final EIR (pages 3-19 and 3-20 of the Final EIR), and as revised in Addendum No. 1 to the EIR.

### 1.1 Program Administration

The MMRP will be administered by CVWD. Mitigation measures will be incorporated into design and construction contracts, as appropriate, to ensure full implementation.

### 1.2 Project Description

#### 1.2.1 Approved Project in the EIR

The CAPP is located in the City of Carpinteria and unincorporated Santa Barbara County, California. The purpose of the CAPP is to create a new drought-resistant and reliable supply of local water, produce water suitable for groundwater recharge and potable reuse, and reduce CVWD's reliance on imported water and surface water storage at Lake Cachuma. The Project is being developed in partnership with CSD, the owner/operator of the Carpinteria Wastewater Treatment Plant (WWTP). The Proposed Project involves construction and operation of a new advanced water purification facility, up to three new injection wells, pipelines to convey advanced treated water to the injection wells for recharge to the Carpinteria Groundwater Basin, and up to six monitoring wells to monitor potential changes in groundwater levels and quality.

The Proposed Project would produce approximately 1,100 acre-feet per year (AFY) (1.0 million gallons per day [MGD]) of purified water from the AWPf for injection into the local groundwater basin, where it ultimately would be used for CVWD potable water supply. Source influent for the AWPf treatment train would be provided by CSD's WWTP. Existing CVWD production wells would be used to recover treated water from the groundwater basin. The ultimate project assumes an expansion from 1.0 MGD to 1.2 MGD based on projected future increases in WWTP flows. The ultimate Project includes the following facilities:

- AWPf consisting of equalization tank, microfiltration, reverse osmosis, and an advanced oxidation process, to be located on the WWTP site
- Purified water pump station, to be located on the WWTP site
- 6,100 linear feet (LF) of 12-inch conveyance pipeline from the PWPS to a well lateral split point, including Caltrans installation for the Linden Avenue overpass over US Highway 101
- 2,000 LF of 8-inch conveyance pipeline from the well lateral split point to individual injection wells
- Up to three 14-inch injection wells with backwash pumps and one 42,000 gallon tank
- Either 1,400 LF of 12-inch well backwash discharge piping to existing sanitary sewers, or 600 LF of 12-inch to existing storm drain culverts.

- Up to six monitoring wells
- Modifications to the CSD WWTP ocean outfall

### 1.2.2 Modified Project in Addendum No. 1

### 1.2.3 Modified Project

The following are summaries of new project elements that modify the Approved Project. These modified elements, together with the Approved Project, constitute the “Modified Project.” A detailed listing of the new elements can be found in *Section 2 Error! Reference source not found.*

#### ***Alternative Location for Well Site #3 - Linden Injection Well***

The Modified Project is considering alternative locations for the injection well proposed for Well Site #3, which is now referred to as the Linden Injection Well under the Modified Project. The Modified Project maintains the potential placement of the well at the corner of the parcel near Linden Avenue as described in the EIR, but includes a new potential location for the well in the roadway ROW on Linden Avenue, approximately 250 feet north of the intersection of Linden Avenue and El Carro Lane. This well would have a similar size and depth as originally described in the Approved Project and would be constructed in the same manner as originally approved, though the wellhead would be located below-ground in a manhole instead of a below-ground vault. Above-grade appurtenances and electrical controls will be located inside a fenced enclosure within the ROW along the sidewalk or within the parcel.

#### ***Alternative Location for Well Site #4 - Meadow View Injection Well***

The Modified Project includes an alternative location for the injection well at Well Site #4. The new location would be the roadway ROW on Meadow View Lane adjacent to the Well Site #4 parcel, owned by the Church of Latter-day Saints. The new location would be located approximately 350 feet west of the intersection of Meadow View Lane and Linden Avenue. This well would have a similar size and depth as originally described in the Approved Project and would be constructed in the same manner as originally approved, though the wellhead would be located below-ground in a manhole with above-grade appurtenances and electrical controls located behind the sidewalk in the roadway ROW. Above-grade equipment will be inside a fenced enclosure within the ROW along the sidewalk. Restoration to sidewalk and paving is subject to City permitting. The addition of the Meadow View Lane ROW as a proposed location for the injection well does not change the total number of injection wells planned for the project. Under the Modified Project, there would no longer be a backwash storage tank constructed at Well Site #4. Instead, a buried pipeline is proposed that will be sufficient in size to convey the injection well backwash to the sewer collection system, eliminating the need for the above-ground storage tank. This buried 48-inch pipeline in Meadow View Lane will allow for the backwash would be conveyed to the sewer system along Linden Avenue and returned to CSD’s water reclamation plant for advanced water purification back into the groundwater system. Staging and soundwalls may be located on existing paved surfaces within 50 feet of the Franklin Creek embankment, though the environmental commitments included in the EIR, including compliance with permit requirements (including implementation of a Stormwater Pollution Prevention Plan) and keeping the areas clean of trash and debris, would be implemented to avoid potential impacts to the creek.

#### ***Expansion of Monitoring Well Locations***

The Modified Project would expand the potential locations for monitoring well clusters to include injection Well Site #2 and injection Well Site #3 of the Approved Project, the roadway ROW at the western end of Meadow View Lane (adjacent to injection Well Site #4), as well as to CVWD headquarters at 1301 Santa Ynez Road and the adjacent

roadway ROWs. The total number of monitoring wells, size, depth, and construction methods would remain the same as the Approved Project, with up to four monitoring well clusters being constructed for the Project, though one monitoring well cluster at El Carro Park has already been constructed and is not included in this analysis. Error! Reference source not found. shows the expanded locations to be considered for monitoring wells based on final design, modeling, and permitting requirements.

### ***Modifications to the AWPf Layout***

The Modified Project includes changes to the AWPf layout, although all facilities would remain within the CSD WWTP site. Layout changes have resulted in an increase in total building height from 20 feet above grade to 30 feet above grade, and increased the total footprint of the AWPf Process Building from 8,900 square feet to approximately 12,000 square feet with the Process Building at 8,300 square feet and the exterior canopy over the chemical and ultra-violet (UV) reactor at 3,700 square feet. The 200,000 gallon equalization tank will be completely buried, increasing the excavation depth to approximately 21 feet, and eliminating the 27-foot tall above-ground equalization tank that was included in the Approved Project. The AWPf treatment train would remain the same as described in the Approved Project, and include ultrafiltration (UF), reverse osmosis (RO), advanced oxidation process (AOP) with UV and free chlorine, with a slight increase in overall treatment capacity from 1.2 MGD in the Approved Project to up to 1.3 MGD in peak conditions under the Modified Project. The Modified Project would average 1.0 MGD for an estimated total average purified effluent of 1,100 AFY, consistent with the Approved Project. The foundation for the building will be supported by deep-soil cement-mixing, instead of driven or drilled piles. Staging would occur within the paved areas of the AWPf site, including within 50 feet of the wall bordering Carpinteria Creek.

In summary, the Modified Project's facilities consist of the following elements, with modifications addressed in this Addendum shown in **bold**:

- Advanced Water Purification Facility consisting of below grade equalization tank, below grade waste tank, UF, RO, and an AOP), systems, to be located on the WWTP site, **with an expanded building height, buried equalization tank, increased treatment capacity and supported on stabilized soils via deep-soil cement mixing ground improvements.**
- Purified Water Pump Station (PWPS) and 10,000 gallon below grade clearwell, to be located on the WWTP site
- 6,100 linear feet (LF) of 10-inch conveyance pipeline from the PWPS to a well lateral split point, including Caltrans installation for the Linden Avenue overpass over U.S. Highway 101
- 1,000 LF of 8-inch conveyance pipeline from the well lateral split point to two individual injection wells (**a reduction of 1,000 LF of pipeline**)
- Up to two 14-inch diameter injection wells with backwash pumps **including a change in the potential location of two previously planned injection wells from parcels to the roadway ROW, the elimination of one injection well, and elimination of a 42,000 gallon storage tank.**
- 600 LF of pressurized 12-inch piping and **400 LF of gravity 48-inch well backwash discharge piping** to existing sanitary sewers; including associated sewer manholes and air-gap discharge to sewer near wellheads; **a reduction of 400 total LF of backwash piping and avoidance of backwash discharge to the storm system.**
- Up to three monitoring well clusters, **including expanded potential locations and representing a reduction in total number of monitoring well clusters from the Approved Project.**

Modifications to the ocean outfall have already been completed, consistent with the EIR. One monitoring well cluster (El Carro monitoring wells) were completed as a separate project and were addressed via an MND, because they are part of the Carpinteria Groundwater Sustainability Agency's groundwater monitoring program and not specific to the Approved or Modified Project. For these reasons, neither the ocean outfall modifications nor the El Carro monitoring wells are part of the Modified Project. Additionally, the Modified Project eliminates the need for the Franklin Creek crossing included in the Approved Project.

## 2. MITIGATION MONITORING REQUIREMENTS

A MMRP checklist has been developed for the Proposed Project and is intended for use by CVWD, as lead agency and designated monitoring entity for the Proposed Project. The checklist, presented as **Table 1**, summarizes the mitigation requirements for the Proposed Project, anticipates timing, and identifies responsible parties for ensuring implementation of each mitigation measure. These mitigation measures are presented using the naming conventions and categories in the EIR. Changes to the Environmental Commitments and Mitigation Measures from the EIR to Addendum No. 1 are noted in ~~strikeout~~.

### 2.1 Environmental Commitments

In addition to the mitigation measures included in Table 1, CVWD will include the following environmental commitments in its contracting documents:

- **Time construction to reduce interference with community needs.** Construction timing shall avoid construction near schools during the school year to the extent feasible and avoid construction on the portion of Linden Avenue south of Highway 101 that runs through the downtown core during high tourism and shopping periods (e.g., summer and the Christmas holiday season). Timing construction in this way would reduce impacts to students and schools, as well as reduce potential impacts to the commercial corridor on Linden Avenue, supporting the local economy.
- **Avoid nighttime activities where possible during construction and operation.** To the extent reasonable, CVWD and CSD shall comply with the timing of construction as outlined in the City's Municipal Code and shall obtain permits for any nighttime construction. During operation, CVWD and CSD shall avoid truck trips, deliveries, and maintenance activities during nighttime hours, except in the case of emergencies or where avoidance of nighttime hours are infeasible.
- **Provide biological and cultural resource training to workers.** CVWD shall provide biological sensitivity and cultural resource awareness training. These trainings shall be conducted by a certified biologist and archaeologist, respectively. Workers shall be trained to identify sensitive species and to halt work and consult with a biologist if sensitive species are encountered unexpectedly. ~~Workers who will be present for ocean-based work shall be trained to serve as vessel-based monitors for marine mammals, unless another, appropriately trained monitor will be present. Divers shall also be trained to identify *Caulerpa taxifolia* and to avoid it during outfall modification.~~ Workers involved with excavation and ground disturbing activities shall be trained to identify potential cultural resources and to halt work and call in a qualified archaeologist if they believe cultural resources have been encountered. Workers shall also be trained to stop work and call the County Coroner if they encounter human remains.
- **Keep construction areas clean of trash and debris.** Workers shall also be required to comply with worker cleanliness guidelines that are designed to reduce the potential for trash or debris to leave the construction sites. These guidelines may include: disposal of food related trash in closed containers and removed from the project site each day during the construction period, prohibition on feeding wildlife at or near the construction area, and

upon project completion, removal of all project-generated debris, vehicles, building materials, and rubbish from the project footprint.

- **Implement Santa Barbara County Air Pollution Control District (SBCAPCD) and California Air Resources Board (CARB) Construction Best Management Practices.** Contractors shall be required to comply with the SBCAPCD's construction best management practices, which include diesel equipment and vehicle regulations and dust control measures. These construction best management practices are detailed in Section 2.1.7 of Appendix C. Additionally, contractors shall comply with CARB In-Use Off-Road Diesel-Fueled Fleets Regulations, which would limit vehicle idling time to 5 minutes, restrict adding vehicles to construction fleets with older-tier engines, and establish a schedule for retiring older, less fuel-efficient engines from the construction fleet.
- **Compliance with Permit Requirements.** CVWD and/or CSD shall acquire and comply with necessary permits, depending on which facility locations are selected in final project design. Potential permits are shown in **Error! Reference source not found.**, may reflect the mitigation measures proposed in this EIR, and may include additional environmental commitments suggested by the permitting entity. CVWD shall obtain and comply with the SWRCB's General Construction Permit, including preparation of a Storm Water Pollution Prevention Plan (SWPPP), for all Project facilities. CVWD and/or CSD shall prepare appropriate noticing as required for permits, such as may be required for the California Coastal Commission Coastal Development Permit.
- **Coordinate with Caltrans.** CVWD shall coordinate with Caltrans to secure an encroachment permit for any work within the State's right-of-way. CVWD shall submit its design drawings to Caltrans for confirmation that work within the State's right-of-way complies with Caltrans standards. CVWD shall implement any conditionals of approval and requirements of the encroachment permit as determined by Caltrans' Permits office.
- **Post-Construction Restoration:** CVWD shall restore areas disturbed by construction to pre-construction conditions, such as replanting vegetation cleared for construction activities or patching/repaving roadways where open trenching was used for pipeline construction.

## 2.2 Mitigation Measures

**Table 1** summarizes the mitigation requirements for the Proposed Project, anticipates timing, and identifies responsible parties for ensuring implementation of each mitigation measure. These mitigation measures are presented using the naming conventions and categories in the EIR, and modifications made under Addendum No. 1 are noted in ~~strikeout~~.



**Table 1: Mitigation Measures and Responsible Entities**

Impact Statement	Mitigation Measure	Relevant CAPP Components	Party Responsible for Implementation and Reporting	Review and Approval by:	Monitoring and Reporting Actions	Implementation Schedule	Verification: Status/ Date Completed/ Initials
<p><b>Impact 3.1-1:</b> Potential to have a substantial adverse effect on a scenic vista?</p> <p><b>Impact 3.1-3:</b> Substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the Project is in an urbanized area, would the Project conflict with applicable zoning and other regulations governing scenic quality?</p> <p><b>Impact 3.16-1:</b> Potential to result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services: fire protection, police protection, schools, parks, other public facilities?</p>	<p><b>MM 3.1-1 Minimize Tank Size and Install Screening.</b> CVWD shall initially install a temporary backflush tank as part of the Proposed Project. This temporary backflush tank shall be used to determine the minimum size requirement for a permanent backflush tank necessary to serve the Proposed Project. The temporary backflush tank shall be screened with fencing or vegetation. Once a minimum tank size is determined (anticipated up to five years of CAPP operation), a permanent backflush tank would be constructed that reflects the determined minimum size. Once construction on the permanent tank is completed, CVWD shall install vegetation screening to reduce the visual impact of the backflush tank. Landscaping shall be selected as determined appropriate and feasible for its compatibility with the surroundings and subject to review and approval by the City of Carpinteria's Architectural Review Board. Large container-size plantings and/or fast-growing vegetation shall be used for screening around the backflush tanks. Lighting shall be low intensity and located and designed to minimize direct view of light sources and diffusers, and to minimize halo and spillover effects. After construction is complete, CVWD shall restore all landscaped areas affected by construction, access, and equipment staging.</p> <p><b>DOES NOT APPLY TO THE MODIFIED PROJECT</b></p>	<p><b>Mitigation Measure MM 3.1-1</b> shall apply to the injection wells and backflush tank (temporary and permanent).</p>	<p>CVWD</p>	<p>City of Carpinteria's Architectural Review Board</p> <p>CVWD</p>	<ol style="list-style-type: none"> <li>1. Include measure in contract documents.</li> <li>2. Confirm that vegetative screening and low-intensity lighting measures are incorporated into design of backflush tank site.</li> <li>3. Verify permanent backflush tank is the minimum size required based on results from the temporary backflush tank during initial operation of the CAPP.</li> <li>4. Verify that approved screening measures were implemented and construction areas restored to pre-project conditions.</li> </ol>	<ol style="list-style-type: none"> <li>1. Contracting</li> <li>2. Design</li> <li>3. Post-Construction/ Operation</li> <li>4. Post-Construction</li> </ol>	<ol style="list-style-type: none"> <li>1. _____</li> <li>2. _____</li> <li>3. _____</li> <li>4. _____</li> </ol>
<p><b>Impact 3.1-4:</b> Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?</p> <p><b>Impact 3.4-1:</b> Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service (USFWS)?</p> <p><b>Impact 3.5-1:</b> Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California</p>	<p><b>MM 3.1-4 Minimize Light and Glare.</b> CVWD shall ensure that all construction and operational lighting is the lowest intensity necessary for public safety purposes. Lighting shall be of low intensity, shall be directed downward and at the immediate work area, and shall be shielded to minimize halo and spillover effects. Lighting shall also be directed away from sensitive habitats and receptors, and away from neighboring residential areas. Additional protective measures, such as light glare shields, may be used if light sources are still directly visible from neighboring residential areas or interferes with scenic views after lighting is installed and oriented as described in this mitigation measure.</p>	<p><b>Mitigation Measure MM 3.1-4</b> shall apply to all construction and operational activities in the Proposed Project.</p>	<p>CVWD</p>	<p>CVWD</p> <p>CSD</p>	<ol style="list-style-type: none"> <li>1. Include measure in contract documents.</li> <li>2. Confirm that design of aboveground facilities includes lighting consistent with measures for operational lights.</li> <li>3. Monitor construction activities to verify that measures are implemented during construction.</li> <li>4. Verify that permanent lighting features are installed consistent with measure, as applicable.</li> </ol>	<ol style="list-style-type: none"> <li>1. Contracting</li> <li>2. Design</li> <li>3. Construction</li> <li>4. Post-Construction</li> </ol>	<ol style="list-style-type: none"> <li>1. _____</li> <li>2. _____</li> <li>3. _____</li> <li>4. _____</li> </ol>



Impact Statement	Mitigation Measure	Relevant CAPP Components	Party Responsible for Implementation and Reporting	Review and Approval by:	Monitoring and Reporting Actions	Implementation Schedule	Verification: Status/ Date Completed/ Initials
Department of Fish and Wildlife or USFWS?							
<p><b>Impact 3.4-1:</b> Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service (USFWS)?</p> <p><b>Impact 3.4-2:</b> Have a substantial adverse impact on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or USFWS?</p> <p><b>Impact 3.4-5:</b> Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?</p> <p><b>Impact 3.5-1:</b> Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or USFWS?</p> <p><b>Impact 3.5-2:</b> Have a substantial adverse impact on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or USFWS?</p> <p><b>Impact 3.5-4:</b> Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?</p> <p><b>Impact 3.5-5:</b> Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?</p>	<p><b>MM 3.4-1a Worker Environmental Awareness Program.</b> Prior to initiation of all construction activities (including staging and mobilization), all personnel associated with project construction shall attend a Worker Environmental Awareness Program training, conducted by a qualified biologist, to assist workers in recognizing special status biological resources that may occur in the Area of Potential Effect (APE). This training will include information about southern California steelhead, tidewater goby, protected nesting birds, marine mammals, as well as other special status species potentially occurring in the APE.</p> <p>The specifics of this program shall include identification of special status species and habitats, a description of the regulatory status and general ecological characteristics of special status resources, and review of the limits of construction and measures required to avoid and minimize impacts to biological resources within the work area. Training for workers who will be involved with the ocean outfall improvements will also include vessel-based monitoring training for identification of marine mammals. A fact sheet conveying this information shall also be prepared for distribution to all contractors, their employees, and other personnel involved with construction of the Proposed Project. All employees shall sign a form provided by the trainer documenting they have attended the WEAP and understand the information presented to them. The crew foreman shall be responsible for ensuring crew members adhere to the guidelines and restrictions designed to avoid impacts to special status species. If new construction personnel are added to the project, the crew foreman shall ensure that the new personnel receive the WEAP training before starting work. The subsequent training of personnel can include videotape of the initial training and/or the use of written materials rather than in-person training by a biologist.</p>	<p><b>Mitigation Measure MM 3.4-1a</b> shall apply to all construction activities.</p>	CVWD	CVWD CSD	<p>1. Include measure in contract documents.</p> <p>2. Confirm all personnel attended a Worker Environmental Awareness Program training.</p> <p>2. Verify guidelines and restrictions are followed.</p>	<p>1. Contracting</p> <p>2. Pre-Construction</p> <p>2. Construction</p>	<p>1. _____</p> <p>2. _____</p> <p>2. _____</p>

Impact Statement	Mitigation Measure	Relevant CAPP Components	Party Responsible for Implementation and Reporting	Review and Approval by:	Monitoring and Reporting Actions	Implementation Schedule	Verification: Status/ Date Completed/ Initials
<p><b>Impact 3.14.1:</b> Temporary or permanent increase in ambient noise levels in excess of applicable standards?</p>							
<p><b>Impact 3.4-1:</b> Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service (USFWS)?</p> <p><b>Impact 3.4-5:</b> Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?</p> <p><b>Impact 3.5-1:</b> Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or USFWS?</p>	<p><b>MM 3.4-1b Nesting Bird Surveys.</b> To avoid disturbance of nesting and special status birds, including raptor species protected by the Migratory Bird Treaty Act of 1918 (MBTA) and CFGC 3503, activities related to the project including, but not limited to, vegetation removal, ground disturbance, and construction and demolition shall occur outside of the bird breeding season for migratory birds (February 1 through August 31), if practicable.</p> <p>If construction must begin during the breeding season, then a pre-construction nesting bird survey shall be conducted no more than seven days prior to initiation of ground disturbance and vegetation removal activities. The nesting bird pre-construction survey shall be conducted on foot inside the project footprint, including a 100-foot buffer (300-foot for raptors), and in inaccessible areas (e.g., private lands) from afar using binoculars to the extent practicable. The survey shall be conducted by a biologist familiar with the identification of avian species known to occur in southern California coastal communities. If nests are found, an avoidance buffer (dependent upon the species, the proposed work activity, and existing disturbances associated with land uses outside of the site) shall be determined and demarcated by the biologist with bright orange construction fencing, flagging, construction lathe, or other means to mark the boundary. All construction personnel shall be notified as to the existence of the buffer zone and to avoid entering the buffer zone during the nesting season. No ground-disturbing activities shall occur inside this buffer until the avian biologist has confirmed that breeding/nesting is completed, and the young have fledged the nest. Encroachment into the buffer shall occur only at the discretion of the qualified biologist</p>	<p><b>Mitigation Measure MM 3.4-1b</b>, shall apply to all construction activities occurring on land.</p>	CVWD	CVWD CSD	<p>1. Include measure in contract documents.</p> <p>2. Confirm construction schedule occurs outside of February 1 – August 31.</p> <p>OR</p> <p>3. Confirm pre-construction nesting bird survey completed if construction must occur during bird breeding season.</p> <p>4. Verify avoidance buffer created if nests found.</p> <p>5. Verify ground-disturbing activities do not occur in nest buffer zone until breeding/nesting completed, if applicable.</p>	<p>1. Contracting</p> <p>2. Design</p> <p>OR</p> <p>3. Pre-Construction</p> <p>4. Pre-Construction</p> <p>5. Construction</p>	<p>1. ____</p> <p>2. ____</p> <p>OR</p> <p>3. ____</p> <p>4. ____</p> <p>5. ____</p>
<p><b>Impact 3.4-1:</b> Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service (USFWS)?</p> <p><b>Impact 3.4-5:</b> Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?</p>	<p><b>MM 3.4-1c Avoidance of Monarch Butterfly Winter Roost Sites.</b> To minimize indirect project impacts to potential monarch butterfly roosts, monarch butterfly roosts shall be avoided during all construction activities related to project activities, tree removal/trimming, vegetation clearing, and grading activities (collectively, "land clearing activities"). This can be accomplished by implementing either one of the following options:</p> <ol style="list-style-type: none"> <li>1. Prohibit land clearing activities during the monarch wintering season (October 1 through March 1); or,</li> <li>2. Conduct site-specific surveys prior to land clearing activities during the monarch wintering season (October 1 through March 1) and</li> </ol>	<p><b>Mitigation Measure MM 3.4-1c</b> shall apply to all construction activities occurring on land.</p>	CVWD	CVWD CSD	<p>1. Include measure in contract documents.</p> <p>2. Verify monarch butterfly roosts avoided during all construction activities through either:</p> <ul style="list-style-type: none"> <li>• 2a: Confirm land clearing activities within 50 feet of monarch butterfly roosting sites prohibited from October 1 through March 1, if</li> </ul>	<p>1. Contracting</p> <p>2. Construction</p> <p>3. Construction</p>	<p>1. ____</p> <p>2. ____</p> <p>3. ____</p>

Impact Statement	Mitigation Measure	Relevant CAPP Components	Party Responsible for Implementation and Reporting	Review and Approval by:	Monitoring and Reporting Actions	Implementation Schedule	Verification: Status/ Date Completed/ Initials
	<p>avoid monarch roosts.</p> <p>If Option 2 is selected, surveys (described below) shall be conducted to identify any monarch roosts in the area proposed for disturbance. Monarch roosts shall be avoided during the wintering season by establishing a 50-foot buffer between land clearing activity and the roost. An initial monarch survey shall be conducted of all potentially suitable habitat areas within the APE 30-days prior to the initiation of land clearing activities. The project site must continue to be surveyed on a weekly basis with the last survey completed no more than 7 days prior to the initiation of land clearing activities. The monarch butterfly survey must cover monarch wintering habitat within the APE. If monarch roosts are found, land clearing activities within 50 feet surrounding the roost shall be postponed or halted while the monarchs are present (typically October 1 through March 1). Construction activities may occur outside of the 50-foot setback areas during this time.</p>				<p>applicable.</p> <ul style="list-style-type: none"> <li>• 2b: Confirm site-specific surveys were completed prior to land clearing activities</li> </ul> <p>3. If 2b is implemented, verify project site re-surveyed on a weekly basis and confirm construction activities occur outside of the 50-foot setback areas.</p>		
<p><b>Impact 3.4-2:</b> Have a substantial adverse impact on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or USFWS?</p> <p><b>Impact 3.4-5:</b> Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?</p>	<p><b>Mitigation Measure MM 3.4-2 Sensitive Habitat Fencing.</b> Prior to project mobilization, where the project is adjacent to native habitat (i.e., environmentally sensitive habitat area [ESHA], riparian habitat, wetland, sensitive natural communities), a certified biologist would identify native habitat to avoid, and temporary construction fencing shall be erected by the contractor at the edge of the temporary construction easement to avoid impacts to the habitat throughout the duration of construction.</p>	<p><b>Mitigation Measure MM 3.4-2a</b> shall apply to open cut trenching along Olive Avenue in the vicinity of the arroyo willow thicket.</p>	CVWD	CVWD CSD	<ol style="list-style-type: none"> <li>1. Include measure in contract documents.</li> <li>2. Verify certified biologist identified habitat area to avoid.</li> <li>3. Confirm temporary construction fencing installed to avoid habitat areas.</li> </ol>	<ol style="list-style-type: none"> <li>1. Contracting</li> <li>2. Pre-Construction</li> <li>3. Pre-Construction</li> </ol>	<ol style="list-style-type: none"> <li>1. ____</li> <li>2. ____</li> <li>3. ____</li> </ol>
<p><b>Impact 3.4-3:</b> Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?</p> <p><b>Impact 3.4-5:</b> Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?</p> <p><b>Impact 3.11-1:</b> Potential to violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?</p>	<p><b>Mitigation Measure MM 3.4-3a Disturbance Area and Staging.</b> Areas of temporary disturbance shall be minimized to the extent practicable. Staging and laydown areas shall be limited to sites unvegetated, previously disturbed (e.g., rights-of-way [ROWs], parking lots), and community parks (areas consisting of ruderal vegetation, ornamental landscaping, and outside of the Tree Protection Zone [TPZ; dripline plus 6 feet] of protected trees).</p>	<p><b>Mitigation Measure MM 3.4-3a</b> shall apply to all components of the Proposed Project.</p>	CVWD	CVWD CSD	<ol style="list-style-type: none"> <li>1. Include measure in contract documents.</li> <li>2. Verify that staging and laydown areas were limited to unvegetated, previously disturbed, and/or community park sites.</li> </ol>	<ol style="list-style-type: none"> <li>1. Contracting</li> <li>2. Construction</li> </ol>	<ol style="list-style-type: none"> <li>1. ____</li> <li>2. ____</li> </ol>
<p><b>Impact 3.4-3:</b> Have a substantial adverse effect on state or federally protected wetlands (including, but</p>	<p><b>Mitigation Measure MM 3.4-3b Material Storage.</b> Materials shall be stored on impervious surfaces or plastic ground covers to prevent any</p>	<p><b>Mitigation Measure MM 3.4-3b</b> shall</p>	CVWD	CVWD	<ol style="list-style-type: none"> <li>1. Confirm construction contracts require materials be stored as</li> </ol>	<ol style="list-style-type: none"> <li>1. Contracting</li> </ol>	<ol style="list-style-type: none"> <li>1. ____</li> </ol>

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<p>not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?</p> <p><b>Impact 3.4-5:</b> Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?</p> <p><b>Impact 3.11-1:</b> Potential to violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?</p>	<p>spills or leakage. Material storage shall be at least 50 feet from Franklin Creek, Carpinteria Creek, and Carpinteria State Beach <u>unless otherwise allowed under applicable permits</u>. Any material/spoils from project activities shall be located and stored 50 feet from potential jurisdictional areas (Franklin Creek, Carpinteria Creek, and Carpinteria State Beach), <u>unless otherwise allowed under applicable permits</u>. Construction materials and spoils shall be protected from stormwater runoff using temporary perimeter sediment barriers such as berms, silt fences, fiber rolls, covers, sand/gravel bags, and straw bale barriers, as appropriate.</p>	<p>apply to all components of the Proposed Project, except within the floodwall boundary of the CSD WWTP site.</p>			<p>described.</p> <p>2. Verify materials and spoils are stored as described, as applicable:</p> <ul style="list-style-type: none"> <li>• On impervious surfaces or plastic ground covers.</li> <li>• At least 50 feet from creeks and beach.</li> <li>• 50 feet from potential jurisdictional areas.</li> <li>• Protected from stormwater runoff.</li> </ul>	<p>2. Construction</p>	<p>2. _____</p>
<p><b>Impact 3.4-2:</b> Have a substantial adverse impact on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or USFWS?</p> <p><b>Impact 3.4-3:</b> Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?</p> <p><b>Impact 3.4-5:</b> Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?</p> <p><b>Impact 3.5-2:</b> Have a substantial adverse impact on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or USFWS?</p> <p><b>Impact 3.5-3:</b> Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?</p> <p><b>Impact 3.11-1:</b> Potential to violate any water quality</p>	<p><b>Mitigation Measure MM 3.4-3c Construction Best Management Practices.</b> To avoid and/or minimize potential indirect impacts to jurisdictional waters and water quality, the following Best Management Practices shall be implemented within 50 feet of Franklin Creek, Carpinteria Creek, and the stormwater drain:</p> <ol style="list-style-type: none"> <li>a. Prevent the off-site tracking of loose construction and landscape materials by implementing street sweeping, vacuuming, and rumble plates, as appropriate.</li> <li>b. Prevent the discharge of silt or pollutants off of the site when working adjacent to potentially jurisdictional waters. Install best management practices (BMPs) (i.e., silt barriers, sand bags, straw bales) as appropriate.</li> <li>c. Work adjacent to Franklin and Carpinteria Creeks shall ensure no wash water enters the receiving water bodies, through measures that may include locating site washout areas at least 50 feet from a storm drain, open ditch or surface water or implementation of barriers to control runoff, such that runoff flows from such activities do not enter receiving water bodies.</li> <li>d. All vehicles and equipment shall be in good working condition and free of leaks. The contractor shall prevent oil, petroleum products, or any other pollutants from contaminating the soil or entering a watercourse (dry or otherwise). When vehicles or equipment are stationary, mats or drip pans shall be placed below vehicles to contain fluid leaks.</li> <li>e. All re-fueling, cleaning, and maintenance of equipment will occur at least 50 feet from potentially jurisdictional waters (Franklin Creek, Carpinteria Creek, and the roadside storm water drain).</li> <li>f. Any spillage of material will be stopped if it can be done safely. The</li> </ol>	<p><b>Mitigation Measure MM 3.4-3c</b> shall apply to all components of the Proposed Project.</p>	<p>CVWD</p>	<p>CVWD CSD</p>	<ol style="list-style-type: none"> <li>1. Include measure in contracting documents.</li> <li>2. Identify the 50-foot buffer for Franklin Creek, Carpinteria Creek, and the stormwater drain on design drawings.</li> <li>3. Confirm best management practices listed in items (a), (b), (c), (d), (e), (f), and (g) of the measure are implemented within 50 feet of Franklin Creek, Carpinteria Creek, and the stormwater drain.</li> <li>4. Notify CVWD of spills, if applicable</li> </ol>	<ol style="list-style-type: none"> <li>1. Contracting</li> <li>2. Design</li> <li>3. Construction</li> <li>4. Construction</li> </ol>	<ol style="list-style-type: none"> <li>1. _____</li> <li>2. _____</li> <li>3. _____</li> <li>4. _____</li> </ol>



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standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	contaminated area will be cleaned, and any contaminated materials properly disposed. For all spills, the project foreman or other designated liaison will notify CVWD immediately. g. Adequate spill prevention and response equipment shall be maintained on site and readily available to implement to ensure minimal impacts to the aquatic and marine environments.						
<b>Impact 3.4-5:</b> Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<b>Mitigation Measure MM 3.4-5 Tree Protection Zone Restrictions.</b> Components of the project footprint that occur within 20 feet of the canopy drip line of protected trees shall be subject to the following: a. No ground disturbance, grading, trenching, construction activities or structural development shall occur within the tree protection zone (TPZ; dripline plus 6 feet). b. No equipment, soil, or construction materials shall be placed within the TPZ. No oil, gasoline, chemicals, paints, solvents, or other damaging materials may be deposited within the TPZ or in drainage channels, swales or areas that may lead to the TPZ. c. If work within the TPZ cannot be avoided, a qualified arborist shall monitor all activities within the TPZ of protected trees. d. Unless otherwise directed by the arborist, all work within the TPZ, including brush clearance, digging, trenching and planting, shall be done with hand tools or small hand-held power tools that are of a depth and design that will not cause root damage. e. Where trenching or digging within the TPZ is specifically permitted, the work shall be conducted in a manner that minimizes root damage, as directed by an arborist. f. Grade changes outside of the TPZ shall not significantly alter drainage to protected trees. Grading within the TPZ shall use methods that minimize root damage and ensure that roots are not cut off from air. Where erosion may be a factor return and protect the original grade or otherwise stabilize the soil. g. Protected trees shall not be used for posting signs, electrical wires or pulleys; for supporting structures; and shall be kept free of nails, screws, rope, wires, stakes and other unauthorized fastening devices or attachments.	<b>Mitigation Measures MM 3.4-5</b> shall apply to all terrestrial components of the Proposed Project.	CVWD	CVWD	1. Include in contracting documents. 2. Identify tree protection zone (TPZ) for protected trees whose canopy drip lines fall within 20 feet of disturbance areas and staging areas on design drawings. 3. Mark off tree protection zone (canopy drip line plus 6 feet) prior to construction as an area to avoid. 4. Verify disturbance and activities in or that may affect the TPZ are avoided, consistent with items (a), (b), (f), and (g) of the measure. 5. If work occurs within the TPZ, confirm a qualified arborist monitors and directs activities consistent with items (c), (d), and (e) of the measure.	1. Contracting 2. Design 3. Pre-Construction 4. Construction 5. Construction	1. ____ 2. ____ 3. ____ 4. ____ 5. ____
<b>Impact 3.5-1:</b> Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or USFWS?	<b>Mitigation Measure MM 3.5-1a Avoidance Measures for Marine Mammal and Sea Turtle Species.</b> To minimize disturbance to species status marine mammal and sea turtle species, general guidelines set forth in the Marine Mammal Protection Act shall be implemented. Vessels under power shall remain at least 100 yards (300 feet) away from whales and 50 yards (150 feet) from dolphins, porpoises, seals,	<b>Mitigation Measure MM 3.5-1a</b> shall apply to the Proposed Project activities associated with the ocean	CVWD	CSD	1. Include measure in contracting documents. 2. Verify vessel logs confirmed compliance with measure such that under power they remained	1. Contracting 2. Construction	1. ____ 2. ____

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<p><b>Impact 3.5-2:</b> Have a substantial adverse impact on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or USFWS?</p> <p><b>Impact 3.5-4:</b> Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?</p> <p><b>Impact 3.5-5:</b> Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?</p> <p><b>Impact 3.14.1:</b> Temporary or permanent increase in ambient noise levels in excess of applicable standards?</p>	<p>sea lions and sea turtles. When encountering marine mammals, the vessel shall slow down, operate at no-wake speed and the vessel shall be put in neutral to let the individual pass.</p> <p><b>DOES NOT APPLY TO THE MODIFIED PROJECT</b></p>	<p>outfall improvements.</p>			<p>at least 100 yards away from whales and 50 yards from dolphins, porpoises, seals, sea lions and sea turtles and allowed marine mammals to pass as described in the measure.</p>		
<p><b>Impact 3.5-1:</b> Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or USFWS?</p> <p><b>Impact 3.5-2:</b> Have a substantial adverse impact on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or USFWS?</p> <p><b>Impact 3.5-5:</b> Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?</p> <p><b>Impact 3.14.1:</b> Temporary or permanent increase in ambient noise levels in excess of applicable standards?</p>	<p><b>Mitigation Measure MM 3.5-1b Subtidal Biological Survey.</b> To minimize direct project impacts to special status abalone species and offshore ESHA including rocky points, intertidal areas, subtidal reefs and kelp beds, at least 45 days prior to the start of in-water project activities, a subtidal biological survey shall be completed by a qualified biologist to document areas of kelp, special status species, and rocky reef within the Marine APE and a 100-foot buffer. Results of this survey, specifically of the kelp survey, shall be provided to the California Coastal Commission if requested. If the survey identifies rocky reefs, kelp bed, or special status species, project activities shall avoid and anchor project-related vessels at least 50 feet away from special status species and habitat, if feasible. If the area cannot be avoided, the project shall utilize techniques that minimize turbidity (i.e. installation of a turbidity curtain), scarring on rocky habitat, and down cast sand excavated at or near the outfall into sand channels away from rocky habitat. For consistency with Policy OSC-4 of the City's General Plan/Local Coastal Land Use Plan, a post construction survey shall be completed by a qualified biologist to document final conditions.</p> <p><b>DOES NOT APPLY TO THE MODIFIED PROJECT</b></p>	<p><b>Mitigation Measure MM 3.5-1b</b> shall apply to the Proposed Project activities associated with the ocean outfall improvements.</p>	<p>CVWD</p>	<p>CSD</p>	<ol style="list-style-type: none"> <li>1. Include measure in contracting documents.</li> <li>2. Confirm subtidal biological survey was completed by qualified biologist.</li> <li>3. Identify 50-foot buffer to avoid during vessel anchoring, as applicable, and include on appropriate mapping and design drawings.</li> <li>4. Verify project-related vessels were kept at least 50 feet away from special status species and habitat OR confirm techniques were utilized to minimize impact to habitat if special status habitat could not be avoided.</li> <li>5. Verify post construction</li> </ol>	<ol style="list-style-type: none"> <li>1. Contracting</li> <li>2. Pre-Construction</li> <li>3. Pre-Construction</li> <li>3. Construction</li> <li>4. Construction</li> <li>5. Post-Construction</li> </ol>	<ol style="list-style-type: none"> <li>1. ____</li> <li>2. ____</li> <li>3. ____</li> <li>4. ____</li> <li>5. ____</li> </ol>

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					survey completed by a qualified biologist.		
<p><b>Impact 3.6-2:</b> Cause a substantial adverse change in the significance of a unique archeological resource pursuant to Section 15064.5?</p> <p><b>Impact 3.19-1:</b> Potential to cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?</p> <p><b>Impact 3.19-2:</b> Potential to cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American Tribe?</p>	<p><b>MM 3.6-2a Archaeological and Native American Monitoring.</b> CVWD shall retain a qualified archaeological and Native American monitor to be present during ground disturbing activities such as grading, trenching, or excavation within the vicinity of Prehistoric Archeological Site CA-SBA-7 (CA-SBA-7) (the AWP and directly adjacent conveyance pipelines). Archeological monitoring shall be performed during initial ground disturbance only (not entire construction timeframe) under the direction of an archaeologist meeting the Secretary of the Interior’s Professional Qualifications Standards for archeology (National Park Service, 1983). Native American monitoring should be provided by a locally affiliated tribal member. Monitors shall have the authority to halt and redirect work should any archaeological resources be identified during monitoring. If archaeological resources are encountered during ground-disturbing activities, work in the immediate vicinity area must halt and the find evaluated for listing in the California Register of Historical Resources (California Register) and the National Register of Historic Places. Archeological or Native American monitoring or both may be reduced or halted at the discretion of the monitors, in consultation with CVWD, as warranted by conditions such as encountering bedrock, sediments being excavated are fill, or negative findings during the first 60% of rough grading. If monitoring is reduced to spot-checking, spot-checking shall occur when ground-disturbances moves to a new location within the project site and when ground disturbance will extend to depths not previously reached (unless those depths are within bedrock)</p>	<p><b>Mitigation Measure MM 3.6-2a</b> shall apply to initial ground disturbance up to a depth of 10 feet within the vicinity of CA-SBA-7</p>	CVWD	CVWD CSD	<ol style="list-style-type: none"> <li>1. Include measure in contracting documents.</li> <li>2. Require qualified archaeological monitor be present during initial ground disturbing areas within the vicinity of Prehistoric Archeological Site CA-SBA-7 and a locally-affiliated Native American monitor was present during ground disturbing activities within the vicinity of Prehistoric Archeological Site CA-SBA-7.</li> <li>3. If resources are unearthed, halt work and consult with the find evaluated and reported by archaeologist and/or Native American monitor, as appropriate.</li> <li>4. Conduct spot-checking during ground-disturbances at new locations or when extended to new depths, if monitoring is reduced on the recommendation of the qualified monitors.</li> </ol>	<ol style="list-style-type: none"> <li>1. Contracting</li> <li>2. Construction</li> <li>3. Construction</li> <li>4. Construction</li> </ol>	<ol style="list-style-type: none"> <li>1. _____</li> <li>2. _____</li> <li>3. _____</li> <li>4. _____</li> </ol>
<p><b>Impact 3.6-2:</b> Cause a substantial adverse change in the significance of a unique archeological resource pursuant to Section 15064.5?</p> <p><b>Impact 3.19-1:</b> Potential to cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural</p>	<p><b>MM 3.6-2b Unanticipated Discovery of Cultural Resources.</b> If cultural resources are encountered during ground-disturbing activities, work in the immediate area must halt and an archaeologist meeting the Secretary of the Interior’s Professional Qualification Standards for archaeology (National Park Service 1983) shall be contacted immediately to evaluate the find. If the discovery proves to be significant under the National Historic Preservation Act of 1966 (NHPA) and/or</p>	<p><b>Mitigation Measure MM 3.6-2b</b> shall apply to all Proposed Project-related ground disturbing activities.</p>	CVWD	CVWD CSD	<ol style="list-style-type: none"> <li>1. Include measure in contracting documents.</li> <li>2. If resources are unearthed during construction, halt work and consult with archaeologist to evaluate find and identify appropriate treatment measures.</li> </ol>	<ol style="list-style-type: none"> <li>1. Contracting</li> <li>2. Construction</li> <li>3. Construction</li> <li>4. Post-Construction</li> </ol>	<ol style="list-style-type: none"> <li>1. _____</li> <li>2. _____</li> <li>3. _____</li> <li>4. _____</li> </ol>



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<p>landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?</p> <p><b>Impact 3.19-2:</b> Potential to cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American Tribe?</p>	<p>CEQA, additional work such as data recovery excavation and Native American consultation shall occur, as necessary, to mitigate any significant impacts or adverse effects.</p>				<p>3. If resources are determined to be significant, implement data recovery excavation and Native American consultation.</p> <p>4. Verify treatment of cultural resources was completed appropriately, if necessary.</p>		
<p><b>Impact 3.6-3:</b> Disturb any human remains, including those interred outside of formal cemeteries.</p> <p><b>Impact 3.19-1:</b> Potential to cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?</p> <p><b>Impact 3.19-2:</b> Potential to cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section</p>	<p><b>MM 3.6-3 Unanticipated Discovery of Human Remains.</b> In the event of an unanticipated discovery of human remains, the County Coroner shall be notified immediately, and no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code (PRC) Section 5097.98 in accordance with the State of California Health and Safety Code Section 7050.5. If the human remains are determined to be prehistoric, the coroner will notify the Native American Heritage Commission, which will determine and notify a most likely descendant. The most likely descendant has 48 hours from being granted access to the site to make recommendations for the disposition of the remains. If the most likely descendant does not make recommendations within 48 hours, the landowner shall reinter the remains in an area of the property secure from subsequent disturbance.</p>	<p><b>Mitigation Measure MM 3.6-3</b> shall apply to all Proposed Project-related ground disturbing activities.</p>	<p>CVWD</p>	<p>CVWD CSD County Coroner NAHC</p>	<p>1. Include measure in contract documents.</p> <p>2. Confirm County Coroner notified immediately if unanticipated human remains discovered.</p> <p>3. Verify adequate consultation with Native American Heritage Commission has occurred, if applicable.</p> <p>4. Verify reburial has occurred in an appropriate area and manner, if applicable.</p>	<p>1. Contracting 2. Construction 3. Construction 4. Post-Construction</p>	<p>1. ____ 2. ____ 3. ____ 4. ____</p>

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<p>21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American Tribe?</p>							
<p><b>Impact 3.8-1:</b> Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:</p> <ul style="list-style-type: none"> <li>i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault?</li> <li>ii) Strong seismic ground shaking?</li> <li>iii) Seismic-related ground failure, including liquefaction?</li> <li>iv) Landslides?</li> </ul> <p><b>Impact 3.8-3:</b> Be located on geologic unit or soil that is unstable, or that would become unstable as a result of the Project, and potentially result in on-or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?</p> <p><b>Impact 3.8-4:</b> Be located on expansive soil, as defined in Table 18 1 B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?</p>	<p><b>MM 3.8-1 Complete a Geotechnical Analysis, Assess Potential for Liquefaction and Expansive Soils and Incorporate Protective Measures.</b> All of the Proposed Project's components would be located within an area of high expansive soils or an area at risk for liquefaction. During design for all project components, CVWD shall complete an engineering geotechnical and soils report that assesses potential for seismic-related risks and liquefaction. CVWD shall incorporate protective measures as necessary, based on the findings of the geotechnical and soils report. Pipelines shall be installed within consolidated engineered backfill. Protective measures may include the use of specific materials (e.g., pvc instead of cement pipes), design features such as thickness of pipes or foundations, methods that comply with standards and regulations for areas with potential for liquefaction, or selection of materials resistant to the effects of liquefaction.</p>	<p><b>Mitigation Measure 3.8-1</b> shall apply to all components of the Proposed Project.</p>	CVWD	CVWD CSD	<ul style="list-style-type: none"> <li>1. Include measure in contracting documents.</li> <li>2. Complete engineering geotechnical and soils report and include protective measures in design drawing, plans, and specifications, as appropriate.</li> <li>3. Verify that pipelines are installed within consolidated engineered backfill and protective measures identified in design drawings, plans, and specifications were implemented.</li> </ul>	<ul style="list-style-type: none"> <li>1. Contracting</li> <li>2. Design</li> <li>3. Post-Construction</li> </ul>	<ul style="list-style-type: none"> <li>1. _____</li> <li>2. _____</li> <li>3. _____</li> </ul>
<p><b>Impact 3.8-6:</b> Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?</p>	<p><b>MM 3.8-6 Fossil Discovery, Preparation, and Curation.</b> In the event an unanticipated fossil discovery is made during the course of the project development, then in accordance with SVP (2010) guidelines, a qualified professional paleontologist should be retained in order to</p>	<p><b>Mitigation Measure MM 3.8-6</b> shall apply if paleontological resources are</p>	CVWD	CSD	<ul style="list-style-type: none"> <li>1. Include measure in contracting documents.</li> <li>2. Consult with qualified</li> </ul>	<ul style="list-style-type: none"> <li>1. Contracting</li> <li>2. Construction</li> </ul>	<ul style="list-style-type: none"> <li>1. _____</li> <li>2. _____</li> </ul>

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	<p>examine the find and to determine if further paleontological resources mitigation is warranted. The paleontologist shall have the authority to temporarily direct, divert or halt construction activity to ensure fossil(s) can be assessed for scientific significance and if necessary, removed in a safe and timely manner. Once salvaged, significant fossils shall be identified to the lowest possible taxonomic level, prepared to a curation-ready condition and curated in a scientific institution with a permanent paleontological collection (such as the Natural History Museum of Los Angeles County) along with all pertinent field notes, photos, data, and maps.</p>	<p>encountered during construction of the AWPf.</p>			<p>professional paleontologist if fossil discovery is made during construction.</p> <p>3. Confirm that fossil discoveries are recorded and treated in accordance with direction provided by paleontologist, as applicable.</p>	<p>3. Post-Construction</p>	<p>3. _____</p>
<p><b>Impact 3.10-1:</b> Potential to create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?</p> <p><b>Impact 3.10-3:</b> Potential to emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?</p>	<p><b>MM 3.10-1a Preparation of Hazardous Materials Business Plan.</b> CSD shall amend its existing Hazardous Materials Business Plan (HMBP) for the WWTP to address the addition of the AWPf and pump station. The HMBP shall include, at a minimum, a hazardous materials inventory, site plan, emergency response plan, and requirements for employee training. The HMBP shall be amended prior to the use and storage of chemicals during construction or operation of the Proposed Project. The HMBP shall inform staff and contractors of the chemicals that may be used at the site and how to respond to potential hazardous material emergencies or exposure. CSD shall confirm training and signage included in the HMBP are completed and posted at the AWPf and associated chemical storage. CSD shall confirm that the hazardous materials inventory is consistent with chemicals ordered by contractors during construction and by CSD for operation and maintenance of the AWPf, pump station, and associated facilities.</p>	<p><b>Mitigation Measure MM 3.10-1a</b> shall apply to the routine use and storage of hazardous materials and chemicals required for operation of the AWPf and associated facilities.</p>	<p>CSD CVWD</p>	<p>CSD CVWD</p>	<p>1. Include measure in contracting documents, as applicable.</p> <p>2. Amend WWTP's HMBP to include AWPf and pump station.</p> <p>3. Conduct HMBP training and erect signage, as appropriate.</p> <p>3. Verify hazardous material inventory is consistent.</p>	<p>1. Contracting 2. Pre-Construction 3. Pre-Construction 4. Construction</p>	<p>1. _____ 2. _____ 3. _____ 4. _____</p>
<p><b>Impact 3.4-2:</b> Have a substantial adverse impact on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or USFWS?</p> <p><b>Impact 3.10-1:</b> Potential to create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?</p> <p><b>Impact 3.10-2:</b> Potential to create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?</p>	<p><b>MM 3.10-1b Hazardous Materials Management and Spill Prevention and Control Plan.</b> Before construction begins, CVWD and CSD shall require its construction contractor to prepare a Hazardous Materials Management Spill Prevention and Control Plan that includes a project-specific contingency plan for hazardous materials and waste operations. The Plan will be applicable to construction activities and will establish policies and procedures according to applicable codes and regulations, including but not limited to the California Building and Fire Codes, and federal and California Occupational Safety and Health Administration (Cal/OSHA) regulations, to minimize risks associated with hazardous materials spills. Elements of the Plan will include, but not be limited to the following:</p> <ul style="list-style-type: none"> <li>A discussion of hazardous materials management, including delineation of hazardous material storage areas, access and egress routes, waterways, emergency assembly areas, and temporary hazardous waste storage areas;</li> </ul>	<p><b>Mitigation Measure MM 3.10-1b</b> shall apply to construction of the Proposed Project, as it relates to routine use and transport of hazardous materials.</p>	<p>CSD CVWD</p>	<p>CSD CVWD</p>	<p>1. Include measures in contracting documents, as applicable.</p> <p>2. Confirm Hazardous Material Management Spill Prevention and Control Plan is prepared that includes, at minimum, the elements identified in the measure.</p>	<p>1. Contracting 2. Pre-Construction</p>	<p>1. _____ 2. _____</p>

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<p><b>Impact 3.10-3:</b> Potential to emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?</p>	<ul style="list-style-type: none"> <li>Notification and documentation of procedures; and</li> <li>Spill control and countermeasures, including employee spill prevention/response training.</li> </ul>						
<p><b>Impact 3.10-4:</b> Potential to be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?</p>	<p><b>MM 3.10-4 Contingency Plan for Contaminated Soil and/or Groundwater.</b> If Well Site #6 or the Southern Potential Pipeline Alignment along 6th Street at Linden Avenue are selected as components of the Proposed Project, CVWD shall conduct a Phase I Environmental Site Assessment to evaluate the potential for contaminated soils within the Proposed Project footprint. If the Phase I Environmental Site Assessment is positive, CVWD shall conduct soils testing prior to excavation activities in those sites to evaluate the risk of encountering contaminated soils. If soils testing finds contaminated soils or groundwater, construction will be halted in the area and the type and extent of the contamination shall be evaluated. CVWD will develop a contingency plan to dispose of contaminated soils or groundwater through consultation with appropriate regulatory agencies prior to continuation of work. The contingency plan may include, but not be limited to, a plan for safe handling of contaminated soils, a description of the required personal protective equipment for workers during excavation of contaminated soils, and identification of proper disposal sites and methods. CVWD will designate a monitor to confirm compliance with the contingency plan during excavation activities in the contaminated area.</p>	<p><b>Mitigation Measure MM 3.10-4</b> shall apply to construction of Well Site #6 and the Southern Potential Pipeline Alignment along 6th Street at Linden Avenue.</p>	CVWD	CVWD	<ol style="list-style-type: none"> <li>1. Include measure in contract documents.</li> <li>2. Verify Phase I Environmental Site Assessment was conducted if Well Site #6 or the Southern Potential Pipeline Alignment along 6<sup>th</sup> Street at Linden Avenue were selected.</li> <li>3. If Phase I Environmental Site Assessment is positive, conduct soil testing.</li> <li>4. Confirm construction halted and soil contamination identified if soil testing finds contaminated soils or groundwater.</li> <li>5. If found, consult with appropriate regulatory agencies, prepare contingency plan for contaminated soil or groundwater disposal, and confirm any necessary monitoring was completed.</li> </ol>	<ol style="list-style-type: none"> <li>1. Contracting</li> <li>2. Pre-Construction</li> <li>3. Pre-Construction</li> <li>4. Construction</li> <li>5. Construction</li> </ol>	<ol style="list-style-type: none"> <li>1. _____</li> <li>2. _____</li> <li>3. _____</li> <li>4. _____</li> <li>5. _____</li> </ol>
<p><b>Impact 3.10-7:</b> Potential to expose people or structures either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?</p> <p><b>Impact 3.21-2:</b> Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?</p> <p><b>Impact 3.21-3:</b> Require the installation or</p>	<p><b>MM 3.10-7 Implement Construction Equipment and Staging Area BMPs.</b> CVWD and CSD contractors shall be required to clear construction staging areas of dried vegetation and other material that could ignite, and store equipment that heats up only in cleared areas. CVWD and CSD contractors shall be required to keep all construction equipment in good working order and equipped with spark arrestors to prevent potential sparks. CVWD and CSD shall require its contractor to use a spotter during welding activities, and shall require that fire extinguishers are available at all construction sites. Confirmation of these practices will be made by CVWD or CSD staff or their designated representative through periodic site visits.</p>	<p><b>Mitigation Measure MM 3.10-7</b> shall apply to construction of all components of the Proposed Project.</p>	CVWD CSD	CVWD CSD	<ol style="list-style-type: none"> <li>1. Include measure in contracting documents.</li> <li>2. Verify fire safety measures as described the mitigation measure are implemented.</li> <li>3. Confirm fire extinguishers available and verify a spotter is used during welding activities.</li> </ol>	<ol style="list-style-type: none"> <li>1. Contracting</li> <li>2. Construction</li> <li>3. Construction</li> </ol>	<ol style="list-style-type: none"> <li>1. _____</li> <li>2. _____</li> <li>3. _____</li> </ol>



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maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?							
<p><b>Impact 3.4-3:</b> Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?</p> <p><b>Impact 3.11-1:</b> Potential to violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?</p>	<p><b>MM 3.11-1 Frac-Out Prevention and Contingency Plan.</b> Prior to constructing a trenchless crossing of Franklin Creek, a <i>Frac-Out Prevention and Contingency Plan</i> shall be developed. At minimum the plan shall prescribe the following measures to ensure protection of aquatic resources, special status plants and wildlife:</p> <ul style="list-style-type: none"> <li>Procedures to minimize the potential for a frac-out associated with horizontal directional drilling;</li> <li>Procedures for timely detection of frac-outs;</li> <li>Procedures for timely response and remediation in the event a frac-out; and</li> <li>Monitoring of drilling and frac-out response activities by a qualified biologist</li> </ul> <p><b>DOES NOT APPLY TO THE MODIFIED PROJECT</b></p>	<p><b>Mitigation Measure MM 3.11-1</b> shall apply to all trenchless crossings.</p>	CVWD	CVWD	<p>1. Include measure in contracting documents, if HDD is utilized.</p> <p>2. Verify Frac-Out Prevention and Contingency Plan developed and at minimum meets the requirements in the measure, if HDD is utilized.</p>	<p>1. Contracting</p> <p>2. Pre-construction</p>	<p>1. _____</p> <p>2. _____</p>
<p><b>Impact 3.12-2.</b> Potential to cause a significant environmental impact due to a conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the Project (including, but not limited to the general plan, specific plan, local coastal program [LCP], or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?</p> <p><b>Impact 3.14.1:</b> Temporary or permanent increase in ambient noise levels in excess of applicable standards?</p> <p><b>Impact 3.14.2:</b> Generation of excessive groundborne vibration or groundborne noise?</p>	<p><b>MM 3.14-1a. Noise Control Measures to Reduce Construction Noise.</b> In order to comply with the affected City and County Municipal Codes and noise ordinances, CVWD's and CSD's construction contractors shall implement the following measures:</p> <ul style="list-style-type: none"> <li><b>Limit Construction Hours:</b> Construction hours shall be limited to times authorized under the City and County Municipal Codes and as allowed by applicable permits. Within the City of Carpinteria, noise-generating construction will be limited to the hours of 7:00 a.m. to 5:00 p.m. Monday through Friday, and prohibited on Saturday and Sunday, unless otherwise necessary. Non-noise generating project activities, including but not limited to equipment maintenance, refueling, preparations, and on-site meetings, would not be subject to these time limits unless otherwise specified in applicable permits. After-hours permits may be acquired if determined that it is required and serves the public interest. For the County of Santa Barbara, construction-related noise is restricted between 10:00 p.m. and 7:00 a.m. Sunday through Thursday, and midnight and 7:00 a.m. Friday and Saturday to levels less than 60 dB at the edge of the property line, or those that are not clearly discernable 100 feet from the property line.</li> <li><b>After-Hours Construction:</b> If construction outside of the City and</li> </ul>	<p><b>Mitigation Measure MM 3.14-1a</b> shall apply to all Proposed Project construction activities.</p>	CVWD	CVWD CSD	<p>1. Include measure in contract documents.</p> <p>2. Notify residents that may experience after-hours construction noise that cannot be reduced to 75 dBA at the property line that they are eligible for temporary housing during the period of construction where noise levels exceed applicable thresholds and permits.</p> <p>3. Confirm appropriate notifications are provided to relevant sectors of the community as described in the measure.</p> <p>4. Verify construction occurs</p>	<p>1. Contracting</p> <p>2. Pre-construction</p> <p>3. Pre-construction</p> <p>4. Construction</p> <p>5. Construction</p> <p>6. Construction</p>	<p>1. _____</p> <p>2. _____</p> <p>3. _____</p> <p>4. _____</p> <p>5. _____</p> <p>6. _____</p>

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	<p>County restricted hours is required, CVWD and CSD shall obtain CUP approval for such activities prior to initiation of construction. For each site requiring after-hours construction within 1,000 feet of residential areas, CVWD or its contractor shall install a temporary sound wall barrier around the site of construction activities. The sound wall barrier shall be 24 feet in nominal height with blanketed wall panels having a minimum sound transmission class rating of 25 to mitigate noise levels to less than 75 dBA CNEL at the property line of the receptor. Sound levels shall be continuously monitored throughout construction activities to ensure adequate noise reduction.</p> <ul style="list-style-type: none"> <li>• <b>Construction at St. Joseph's Church:</b> Where construction permits allow construction on Sundays, drilling of the injection well at Well Site #3 shall be temporarily halted during Mass on Sundays. Drilling may resume between mass times as determined necessary by the drilling contractor to maintain integrity of the borehole. Sunday Mass times are scheduled at 7:00 a.m., 9:00 a.m., 11:00 a.m., and 5:30 p.m. and last for approximately 1 hour. Construction contractor shall coordinate with St. Joseph's Church staff on specific times drilling will stop and recommence on Sundays to avoid drilling during Sunday Mass. Specific Sunday Mass hours provided by St. Joseph's Church staff shall take precedence over the times listed here.</li> <li>• <b>Equipment Location and Shielding:</b> CVWD and CSD shall require its contractors to locate stationary noise-generating construction equipment such as air compressors and generators as far as possible from homes and businesses within the City of Carpinteria. At the well sites, the contractor shall install a temporary sound barrier between the construction site and potential sensitive receptors such as residential areas or schools during construction to mitigate elevated noise levels. Sound barriers may include sound blankets or sound walls, or other appropriate features. The final selection of noise barriers will be reviewed and approved by CVWD and the City during the CUP approval process.</li> <li>• <b>Temporary Housing during After-Hours Construction:</b> For residences within 100 feet of nighttime drilling where sound attenuation may be unable to reduce noise levels to 75 dBA at the property line, CVWD may temporarily provide alternative housing (e.g., hotel accommodations) for those residents who request such accommodations and whose properties fall within areas where after-hours construction noises cannot feasibly be mitigated to less than 75 dBA</li> <li>• <b>Locate Staging Areas away from Sensitive Receptors:</b> The</li> </ul>				<p>during approved hours and seasons as listed in the measure or as allowed by applicable permits.</p> <p>5. Confirm noise dampening measures are implemented during construction, consistent with the measure.</p> <p>6. Conduct noise and vibration monitoring and adjust construction methods or noise dampening measures as necessary.</p>		

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	<p>contractor shall select construction staging areas as far as feasibly possible from sensitive receptors. Prior to construction, the construction contractor shall identify and receive approval of the construction staging areas from the City of Carpinteria Public Works Department via written approval from a City engineer.</p> <ul style="list-style-type: none"> <li>• <b>Install and Maintain Mufflers on Construction Equipment in Excess of 85 dBA:</b> Construction equipment that generates noise in excess of 85 dBA at 100 feet shall be fitted with mufflers to reduce noise to less than 85 dBA when measured 100 feet from the equipment. CVWD and CSD shall require the contractor to maintain construction equipment with specified noise-muffling devices to achieve stated performance measures. Noise testing shall be required to demonstrate the equipment has been installed and is properly reducing noise levels.</li> <li>• <b>Idling Prohibition and Enforcement:</b> CVWD and CSD shall prohibit unnecessary idling of internal combustion engines. In practice, this would mean turning off equipment if it would not be used for five or more minutes.</li> <li>• <b>Install Measures to Reduce Vibration:</b> Should pile driving or a vibratory roller be required for Proposed Project construction, the contractor shall conduct vibration monitoring at any residences or buildings located less than 50 feet from construction activities using such equipment. Ground vibration levels at the nearest residential structure to the construction site shall be monitored using vibration sensor(s) or velocity transducer with adequate sensitivity capable of measuring peak particle velocity level in the frequency range of 1 Hz to 100 Hz. If the vibration level due to construction activities exceeds the Proposed Project's criteria of 0.2 inch/second, the contractor shall make modifications/revisions to construction methods for approval by CVWD and CSD. Measures may include features such as use of roller compactor in lieu of vibratory compactors to ensure that the PPV remains at less than the 0.2 inch/second threshold.</li> <li>• <b>Pre-Construction Notification:</b> At least two weeks prior to construction, written notifications to residents within 500 feet of the Proposed Project shall be sent, identifying the type, duration, and frequency of construction activities. For sensitive receptors, written notification shall either be hand-delivered or sent via certified mail. Signage shall also be posted at the construction site. Notifications shall also identify a mechanism for residents to complain to CVWD for construction related noise. As required by the California Coastal Commission, noticing to mariners will be provided in advance of work on the ocean outfall.</li> </ul>						



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	<ul style="list-style-type: none"> <li>• <b>Schedule Construction on School Property Outside the School Year:</b> If Well Site #1 is selected for an injection well, construction at Well Site #1 shall be limited to school holidays (summer, winter, or spring break) as appropriate for the required construction timeframe.</li> <li>• <b>Appoint a Primary Point of Contact:</b> CVWD and CSD will appoint a staff member or a third-party public information officer to act as primary point of contact for their respective components of the Proposed Project. This point of contact shall serve as a public information officer to receive comments from the public, as well as provide updated project information as appropriate during the project planning, design, and construction stages.</li> </ul>						
<p><b>Impact 3.10-6:</b> Potential to impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?</p> <p><b>Impact 3.12-2:</b> Potential to cause a significant environmental impact due to a conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the Project (including, but not limited to the general plan, specific plan, local coastal program [LCP], or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?</p> <p><b>Impact 3.16-1:</b> Potential to result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services: fire protection, police protection, schools, parks, other public facilities?</p> <p><b>Impact 3.18-1:</b> Potential to conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?</p> <p><b>Impact 3.18-3:</b> Potential to substantially increase hazards due to a geometric design feature (e.g.,</p>	<p><b>MM 3.18-1 Develop and Implement a Transportation Management Plan.</b> Prior to construction, a Transportation Management Plan shall be developed by CVWD. The Transportation Management Plan shall be implemented by CVWD's and CSD's construction contractor during construction of the Proposed Project and shall conform to California Department of Transportation's (Caltrans') Transportation Management Plan Guidelines. Such a plan shall include, but is not limited to:</p> <ul style="list-style-type: none"> <li>• <b>Transportation Routes:</b> CVWD shall determine construction staging site locations and potential road closures, alternate routes for detours, and planned routes for construction-related vehicle traffic. It shall also identify alternative safe routes and policies to maintain safety along bike and pedestrian routes during construction.</li> <li>• <b>Coordination with Emergency Services:</b> CVWD shall coordinate with the police, fire, and other emergency services to alert these entities about potential construction delays and alternate emergency access routes if necessary. To the extent possible, CVWD shall minimize the duration of disruptions/closures to roadways and critical access points for emergency services.</li> <li>• <b>Coordination with Recreation Facilities:</b> CVWD shall also coordinate with any affected recreational facilities owners/operators to minimize the duration of disruptions/closures to recreational facilities and adjacent access points.</li> <li>• <b>Coordination with MTD:</b> If the Proposed Project will affect access to existing MTD bus stops, the Transportation Management Plan shall also include temporary, alternative bus stops, as determined in coordination with MTD.</li> <li>• <b>Coordination with Caltrans:</b> CVWD shall coordinate with Caltrans on its construction schedule, potential road or lane closures, and alternate routes that may affect Caltrans-owned or operated facilities</li> </ul>	<p><b>Mitigation Measure MM 3.18-1</b> shall apply to construction activities requiring lane or road closures or detours that would impact any mode of transportation including mass transit, roadway, bicycle and pedestrian facilities.</p>	<p>CVWD CSD</p>	<p>City Transportation Safety Committee, Transportation Committee, and City Public Works Director/City Engineer  CVWD CSD</p>	<ol style="list-style-type: none"> <li>1. Include measure in contracting documents.</li> <li>2. Confirm Transportation Management Plan developed and includes the elements listed in the measure.</li> <li>3. Confirm appropriate coordination and noticing has occurred consistent with the approved Transportation Management Plan.</li> <li>4. Verify Transportation Management Plan implemented.</li> <li>5. Confirm impervious surfaces restored to pre-construction conditions.</li> </ol>	<ol style="list-style-type: none"> <li>1. Contracting</li> <li>2. Pre-Construction</li> <li>3. Pre-construction</li> <li>4. Construction</li> <li>5. Post-Construction</li> </ol>	<ol style="list-style-type: none"> <li>1. _____</li> <li>2. _____</li> <li>3. _____</li> <li>4. _____</li> <li>5. _____</li> </ol>

Impact Statement	Mitigation Measure	Relevant CAPP Components	Party Responsible for Implementation and Reporting	Review and Approval by:	Monitoring and Reporting Actions	Implementation Schedule	Verification: Status/ Date Completed/ Initials
<p>sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?</p> <p><b>Impact 3.18-4:</b> Potential to result in inadequate emergency access?</p> <p><b>Impact 3.21-1:</b> Substantially impair an adopted emergency response plan or emergency evacuation plan?</p>	<p>and to confirm the Transportation Management Plan conforms with Caltrans' Transportation Management Plan Guidelines.</p> <ul style="list-style-type: none"> <li>• <b>Coordination with Schools:</b> CVWD shall coordinate timing of construction with the nine schools in the vicinity of the Proposed Project to minimize construction impacts during the regular school year.</li> <li>• <b>Transportation Control and Safety:</b> The Transportation Management Plan shall provide for traffic control measures including flag persons, warning signs, lights, barricades, cones, and/or detour routes to provide safe passage of vehicular, bicycle and pedestrian traffic and access by emergency responders.</li> <li>• <b>Plan Approval:</b> This plan shall be submitted to the City's planning or public works departments for review and acceptance by the City Transportation Safety Committee, Transportation Committee, and City Public Works Director/City Engineer, as well as any necessary permits acquired prior to construction.</li> <li>• <b>Public Notification:</b> Prior to beginning construction, written notice shall be provided regarding potential road closures as described in the Transportation Management Plan. Notice shall be delivered to potentially affected properties within a 500-foot radius, as determined by the City's Public Works Director/City Engineer. The notice shall contain a brief description of the work, work dates, and contact information of the Contractor's superintendent and the Engineer. The notice shall be delivered at ten (10) calendar days and again at two (2) working days prior to beginning the work. The notice shall be in the form of a door hanger made of index paper with the size of 14 inches by 4.5 inches. The notice shall be in English with translation in Spanish. A revised notice will be delivered in the event of delays in schedule, as soon as reasonably possible after a delay is identified and revised schedule known.</li> <li>• <b>Resurfacing Standards:</b> Where impervious surfaces such as roadway ROWs or sidewalks, are disturbed by construction activities (e.g., excavation, staging, etc.), these surfaces shall be restored to pre-construction conditions and in accordance with applicable City and County standards.</li> </ul>						
<p><b>Cumulative Impacts Analysis:</b> Evaluation of the Proposed Project's potential contribution to a cumulative environmental impact when considered with all closely related past, present, or reasonably foreseeable future projects.</p>	<p><b>Mitigation Measure CUM-1:</b> CVWD and/or its Contractor shall coordinate with the City of Carpinteria, Santa Barbara County and CSD and their contractor, as applicable, to coordinate construction schedules and construction materials delivery routes to ensure that roadway impacts are minimized during Proposed Project construction, either through the use of different haul routes or through timing of construction.</p>	<p><b>Mitigation Measure CUM-1</b> shall apply to all Proposed Project components.</p>	<p>CVWD</p>	<p>CVWD CSD</p>	<p>1. Include measure in contract documents. 2. Verify appropriate coordination of construction schedules and delivery routes</p>	<p>1. Contracting 2. Pre-construction</p>	<p>1. ____ 2. ____</p>

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	In the event that construction of the Proposed Project occurs concurrently with Caltrans construction on U.S. Highway 101 in Carpinteria, coordination with Caltrans on construction schedule will also be required.				has occurred with City of Carpinteria, Santa Barbara County, Caltrans, CSD, CVWD, and other entities as appropriate.		