

CARPINTERIA VALLEY WATER DISTRICT'S WATER STORAGE TANK PROJECT AND RANCHO MONTE ALEGRE ANNEXATION MITIGATION MONITORING PROGRAM (REVISED PER EIR ADDENDUMS 1-3)

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Purpose

Public Resources Code section 21081.6 requires a lead agency in making findings related to significant impacts, pursuant to Sections 15091 and 15093 of the California Environmental Quality Act (CEQA) Guidelines, to adopt a monitoring and/or reporting program. In accordance with Section 21081.6, the Carpinteria Valley Water District ("CVWD") adopted a Mitigation Monitoring Program on January 8, 2003, following the certification of the Final Environmental Impact Report ("Final EIR") for the CVWD's Water Storage Tank Project and Rancho Monte Alegre Annexation ("Project").

Addendums 1-3 to the Final EIR which were necessitated by minor revisions to the Project were considered and adopted by the CVWD Board in January 2005, June 2006 and September 2007 respectively. The addendums were prepared and adopted in accordance with CEQA Guidelines section 15164. The adoption of these Addendums resulted in minor changes to the Mitigation Monitoring Program.

Project Description

This project consists of the following:

- 1) Construction of a below ground **Water Storage Tank** (lower tank) of 3 million-gallon (MG) capacity;
- 2) **Annexation** of an approximately 2,150-acre area of Rancho Monte Alegre, and 115 acres of other adjoining properties under various ownership into the CVWD service area boundaries, resulting in a total annexation area of 2,265-acres;
- 3) Construction of two aboveground **Water Storage Tanks** (upper tanks) of 200,000-gallon capacity;
- 4) Various associated **Road Improvements** and **Pipeline Installations**;
- 5) Reconfiguration of 3 existing RMA parcels resulting in the **Creation of one District parcel of 10 acres** and modifications of the 3 RMA parcels.

Minor revisions made to the Project following the certification of the Final EIR were evaluated in an addendum to the Final EIR. As a result, slight modification to the mitigation measures incorporated into the Project were required. This Mitigation Monitoring Program includes the necessary revisions to the previously identified measures. Measures that have been revised since the preparation of the original Mitigation Monitoring Program are highlighted.

Mitigation Monitoring Checklist

The following table/checklist lists those environmental mitigation measures recommended in the Initial Study for the Water Storage Tank Project and Rancho Monte Alegre Annexation that are incorporated into the project description, as well as those discussed as part of the environmental impact report (EIR). The table also indicates when and how often the mitigation measures shall be monitored, as well as who is responsible for monitoring compliance. The checklist serves as a reporting mechanism to ensure compliance with all mitigation measures. The date of project compliance with each measure, initials of the person responsible for monitoring and any comments of the monitor shall be noted on the checklist. The table/checklist constitutes the Carpinteria Valley Water District's Mitigation Monitoring and Reporting Program, and will be placed in the project file. The Mitigation Monitoring and Reporting Program is a public document and is available for review with the exception of any proprietary information covered by an appropriate claim of confidentiality or otherwise found to qualify for an exemption from the Public Records Act (Government Code Section 6250 et. seq.).

Implementation and Monitoring Process

The Carpinteria Valley Water District has adopted the mitigation measures as identified in the program as part of the project description for the Water Storage Tank Project and Rancho Monte Alegre Annexation. As the lead agency for the project, it is responsible for ensuring that these measures are implemented.

Table M-1. Mitigation Monitoring Required by Carpinteria Valley Water District for Carpinteria Reservoir Retrofit Project – Implementation Table

Mitigation Number	Mitigation Measure	Implementation Timing	Documentation Required	CVWD Compliance Verification (Signature and Date to be Completed)
MITIGATION MEASURES INCORPORATED INTO THE PROJECT				
3.7.1 Geologic Processes				
1	If fossil localities are observed by onsite geologists during earth disturbances, a qualified paleontologist shall be called to the site to determine if previously unknown species are present. No work shall proceed that may impact the find until the significance of the fossil is determined by the paleontologist and recommendations for the recovery of scientific data have been implemented.	During construction.	CVWD shall ensure that all project geologists are aware of the above conditions and shall retain a written record of any and all significant fossil finds.	
2	An erosion control plan will be developed for the project and will include the use of erosion control devices such as silt fencing, straw bales and sand bags to prevent runoff from excavation, construction, and	The plan shall be implemented prior to and during construction.	CVWD shall perform site inspections throughout the construction phase and repair/replace damaged erosion control devices as	

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	stockpile areas from reaching surface drainages such as Santa Monica Creek. Once earth disturbance begins, such measures shall be in place before the beginning of the rainy season begins and shall be monitored and maintained throughout the rainy season.		needed.	
3	The smallest practical area of land shall be exposed at any one time during development, and the length of exposure shall be kept to the shortest practicable amount of time. Stockpiled earth shall be stabilized throughout the rainy season. The clearing of land shall be avoided during the winter rainy season to the extent feasible. Disturbed sites shall be revegetated or stabilized in another manner as soon as practicable following disturbance to prevent erosion from the site. This measure will be part of the erosion control plan to be developed for the project.	The measure shall be implemented during construction, and for stabilization as soon as possible for a given area following ground disturbance.	CVWD shall perform site inspections throughout the construction and restoration phase.	
4	Energy dissipation devices shall be incorporated into constructed drainage features such as drainpipes. Such devices may include baffles at the end of the drainpipe or placement of a stable bed of rock at the drainage outlet. The devices shall be shown on final grading plans.	The devices shall be installed in the manner and time directed by the project engineer.	CVWD shall ensure that grading plans show energy dissipation devices and shall perform site inspections throughout the construction and restoration phase, to ensure that the devices are installed and maintained as designated by the project engineer.	
3.7.2 Water Quality				
5	No excavation or fill activities will occur within the Santa Monica Creek Channel. The grading plan for the road improvement and bridge construction shall clearly identify the construction exclusion area.	Prior to any earth movement in proximity to Santa Monica Creek.	CVWD shall perform site inspections throughout construction of the bridge and the road segment adjacent to Santa Monica Creek.	
6	During construction, washing of concrete, paint or equipment shall occur only in	Identify washing location prior to construction and	CVWD shall ensure identification of an appropriate washing	

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	areas where polluted water and materials can be contained for subsequent removal from the site. Washing shall not be allowed near sensitive biological resources. An area designated for washing functions shall be identified.	implement its use during construction.	area and shall periodically monitor construction activities to ensure compliance with the measure.	
7	All proposed drainage devices shall be placed in the least environmentally damaging locations.	Drainage devices shall be shown on final plans and installed during construction.	CVWD shall ensure proper placement of drainage devices	
3.7.3 Transportation/Circulation				
8	CVWD shall include proper precautions to protect all existing pavement, curbs, gutters and drainage structures from unintentional damage during project construction. Any portion damaged as a result of project construction shall be repaired or replaced in accordance with current Standard Construction Details.	Precautions shall be taken during construction and any necessary repairs shall be performed within a reasonable time after discovery.	CVWD shall perform inspection of the public road construction traffic corridors prior to and during the construction period. Any damage and repairs shall be photo documented	
9	CVWD shall prepare a Traffic Control Plan detailing access routes and lane closures, as well as signage and other mechanisms to ensure the effective and safe operation of the roadway network, bicycle lanes and pedestrian facilities in the project area during construction. The Plan shall include the truck routing recommendations (use of US 101 South Padero Lane Interchange, travel west on Via Real, north on Nidever Road, and east on 192 to the project site, trucks needing to travel south on 101 shall take the northbound onramp at Santa Claus Lane and exit at Padero Lane then re-enter 101 south at Padero Lane) of the ATE Traffic and Circulation Study for the project dated January 25, 2005). The Plan shall describe methods for	The Plan shall be prepared and submitted to the appropriate agencies before the commencement of construction.	CVWD shall retain a copy of the approved plan and shall conduct periodic field inspections to ensure that the Plan is being implemented during construction.	

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	<p>minimizing the closure of Foothill Road and the safe re-routing of traffic during total or partial closure of any roadway segment. Detour routes through the City of Carpinteria shall be limited to Cravens Lane or Casitas Pass. The Plan shall include a requirement that all construction employee related traffic shall arrive at the project site before 7:00 AM or after 9:00. The Plan shall be submitted to and approved by the California Department of Transportation, the County of Santa Barbara Public Works Department Transportation Division, and the City of Carpinteria. Timing: The Plan shall be prepared and submitted to the appropriate agencies before the commencement of construction.</p> <p>Monitoring: CVWD shall retain a copy of the approved plan and shall conduct periodic field inspections to ensure that the Plan is being implemented during construction.</p>			
3.7.4 Air Quality				
10	<p>The CVWD will ensure that the selected project contractor implements a construction emissions dust control program that incorporates, but is not limited to the following dust control methods:</p> <ul style="list-style-type: none"> Water trucks will be used to maintain areas of vehicle movement damp, to prevent dust from adversely affecting agricultural areas within RMA and to prevent dust from leaving the site. At a minimum, these areas will be watered during the morning and after work is completed for the day. The frequency of watering will be increased, as 	Dust control measures shall be implemented during construction.	The measures identified above will be part of the construction specifications provided to the contractor. CVWD shall conduct periodic inspections of the grading and construction areas, and of adjacent agricultural areas, during construction to ensure compliance.	

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	<p>needed, should the wind speed exceed 15 mph.</p> <ul style="list-style-type: none"> • The area of exposed soil will be minimized to the extent practical. • Vehicle speed in unpaved areas will be limited to 15 mph. • Gravel pads will be installed at all access points to prevent tracking of mud on public roads. • Stockpiled soil will be watered or otherwise protected from wind erosion as needed to minimize dust generation. • Trucks transporting fill material to and from the site will be covered or maintain a 2-foot freeboard. <p>The contractor will designate a person to monitor the dust control program and order increased watering or other measures as required to prevent the transport of dust off-site or to agricultural areas within RMA. Their duties should include holiday and weekend periods when work may not be in progress. The name and telephone number of the dust monitor should be provided to the Santa Barbara County Air Pollution Control District.</p>			

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3.7.5 Noise				
11	To the extent feasible, use of heavy equipment, blasting, and other high noise producing activities at the project site will be limited to the hours of 8:00 a.m. to 5:00 p.m. Monday through Friday when ambient noise levels tend to be at the highest levels due to traffic, agricultural equipment operation, and other human activity. The hours of construction may be extended if CVWD or Caltrans determines it will reduce overall project impacts. (It may be desirable to have longer construction hours if it would reduce the overall construction period duration). Blasting will consist of small, localized charges of short duration.	During construction.	CVWD shall inform contractors of this timing restriction and shall conduct periodic field checks at the construction site to confirm compliance.	
12	Residents within a minimum of 1,600 feet of proposed construction will be given advanced written notification of proposed construction activities, scheduling and hours of construction. (Note that the closest residents to the blasting operation at 1,700 feet would still be notified as they are within 1,600 feet of other construction elements of the project.) The City of Carpinteria and County of Santa Barbara shall also be notified with regard to construction schedule and hours of operation.	Prior to construction.	CVWD shall maintain a written record of all notifications.	
13	Construction will be phased to minimize the time of disturbance within any given area with sensitive receptors along Foothill Road. Methods may include provision of bonuses to contractor for reduction of construction time schedule.	Prior to construction.	CVWD shall maintain a written record of scheduling agreements with contractors and will monitor contractor compliance in the field.	
14	Noise producing stationary equipment (e.g., generators) shall be shielded and located as far as possible from	During construction.	CVWD shall inform contractors of this requirement and shall conduct periodic field	

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	residences.		checks at the construction site to ensure compliance.	
15	Blasting events shall be minimized in number to the extent practicable (e.g., conduct more simultaneous blasts rather than more numerous individual blasts).	During construction.	CVWD shall inform contractors of this requirement and shall conduct periodic field checks at the construction site to ensure compliance.	
3.7.6 Public Facilities				
16	All-weather surfacing on project roads shall incorporate the use of recycled materials to the extent feasible.	During construction	CVWD shall inform contractors of this requirement and shall require written verification of the content of paving materials used on all project roads.	
3.7.7 Hazardous Materials/Risk of Upset				
17	CVWD shall provide written notification to all construction personnel working on the proposed project, prior initiation of ground disturbance, that chemicals known to be carcinogenic such as Methyl Bromide and Lorsban have historically been used at the site. Further, it shall be recommended that all workers wash their hands prior to eating after being exposed to soils at the project site.	This measure shall be implemented prior to any new construction worker commencing work at the RMA site.	CVWD shall require the selected contractor to provide a written statement in English and Spanish to each of the construction workers, alerting them to the historic use of these chemicals on the site, and shall require each worker to sign the statement, verifying that he or she has read the notification. If a worker cannot read, the statement shall be read to him or her and signed by the person who read it to the worker. A copy of each signed notification shall be retained in CVWD's project file.	
18	The CVWD shall update its Hazardous Materials Business Plan to reflect the new uses proposed by the project and submit it to the Carpinteria/Summerland Fire Protection District and County of Santa Barbara Environmental Health	This measure shall be implemented prior to operation of the proposed infrastructure (i.e., lower tank).	CVWD shall retain a copy of the updated HMBP and correspondence with the Fire District and SBEHS pertaining to the updated HMBP.	

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	Services (SBEHS) for review and approval prior to operation of the proposed project.			
19	The CVWD shall train its employees with the respect to the proper handling under routine use and emergency situations of hazardous materials associated with the project prior to operation.	This measure shall be implemented prior to operation of the proposed infrastructure (i.e., lower tank).	CVWD shall retain a copy of a signed statement from each employee working at the Lower Tank Site that they have received appropriate training on the safe and proper handling and use of the hazardous materials associated with the tank site.	
MEASURES IDENTIFIED WITHIN ENVIRONMENTAL IMPACT REPORT (EIR)				
Geologic Processes				
GEO1	A Supplemental Investigation prior to design and construction shall include additional site-specific subsurface exploration, sampling, and laboratory testing programs to provide accurate and precise information concerning earth materials and subsurface conditions across the project site including, lithology, engineering characteristics, liquefaction potential, expansion/contraction characteristics, collapsibility, settlement potential and bedrock bedding and jointing conditions for proposed exposed bedrock cut slope areas. The results of the Supplemental Investigation shall be used in final facilities design to prevent slope failure, erosion, and landslides and to ensure the long-term integrity of the facilities.	Recommendations shall be shown on plans prior to construction and implemented in the field during construction.	CVWD shall retain a copy of the final plans; and shall hire a registered geologist to periodically inspect the project site to ensure that the contractor is complying with the mitigation measures adopted by CVWD as part of the project approval.	
GEO2	During the excavation of steep slopes, standard stabilization measures shall be utilized to prevent slope failure. In areas of steep and bedrock slopes, if evidence of slope failure is discovered, appropriate stabilization methods, including retaining walls and reduction	Throughout excavation and construction.	CVWD shall conduct periodic inspections of steep and bedrock slopes during excavation and construction to detect areas of potential failure and shall require the contractor to imple-	

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	in degree of slope, shall be implemented to avoid landslide or other failure and to ensure long-term stability of the slopes. Timing: Throughout excavation and construction.		ment stabilization measures to prevent such failures.	
Water Resources/Supply				
WR1	All irrigation systems for landscaping at the lower tank site shall be water-efficient in design.	At such time that the portions of the lower tank site parcels not overlying the lower tank are used for irrigated landscaping purposes.	CVWD is responsible for ensuring that the appropriate systems are installed and maintained in the event the lower tank site is planted with irrigated landscaping.	
Biological Resources				
BIO1	<p>The following measures shall be implemented and have replaced the California Red-Legged Frog measures listed in Programmatic Formal Endangered Species Act Consultation on Issuance of Permits under Section 404 of the Clean Water Act or Authorizations under the Nationwide Permit Program for Projects that May Affect the California Red-legged Frog (USFWS, 1999) previously provided as in BIO1 as no federal nexus exists and all other relevant measures are provided in the Streambed Alteration Agreement between the District and the California Department of Fish and Game.</p> <ol style="list-style-type: none"> 1. District to use USFWS approved biologists for mitigation implementation pertaining to streambed alteration and special status species. District to inform USFWS of the persons conducting such mitigation. 2. Before any construction activities begin on the project, a qualified biologist shall conduct a 	See Section 5.3 of the EIR for specifics: Measures 1 through 3 shall be conducted prior to construction. A portion of Measure 8 and Measure 12 would be conducted after construction. The remaining Measures and a portion of Measures 8 and 12 shall be conducted during construction.	CVWD is responsible for the retention of a qualified biologist and ensuring that all stages of the measure are conducted. CVWD shall keep a copy of all documentation pertaining to the survey for red-legged frog and any and all coordination with the USFWS. CVWD shall also make periodic site visits during and after construction to ensure that mitigation is implemented.	

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	<p>training session for all construction personnel. At a minimum, the training shall include a provision describing the Endangered Species Act, a description of the California red-legged frog and its habitat, the importance of the California red-legged frog and its habitat, the general measures that are being implemented to conserve the California red-legged frog as they relate to the project, and the boundaries within which the project may be accomplished.</p> <p>Brochures, books, and briefings may be used in the training session, provided that a qualified person is on hand to answer any questions.</p>			
<p>BIO2</p>	<p>Other Aquatic Wildlife. Biological surveys shall be conducted within 48 hours of the initiation of construction at Santa Monica Creek, and include areas within 500 feet of the work area. If any California newts, southwestern pond turtles, or two-striped garter snakes are discovered in the areas proposed to be disturbed by the construction, they shall be relocated to suitable habitat upstream of the work area and fencing shall be installed to prevent aquatic wildlife access to the work area. In addition, Measures from the Streambed Alteration Agreement which would protect aquatic species shall be implemented.</p>	<p>Prior to construction, during and after construction as identified in BIO1 above.</p>	<p>CVWD is responsible for the retention of a qualified biologist and ensuring that all required surveys are conducted. CVWD shall keep a copy of all documentation pertaining to the surveys and any necessary relocation efforts. CVWD shall also make periodic site visits during and after construction to ensure that mitigation is implemented.</p>	
<p>BIO3</p>	<p>Purple Needlegrass Series. Purple needlegrass series shall be successfully established at another location within the annexation area</p>	<p>Implementation of needlegrass restoration plan after construction.</p>	<p>CVWD is responsible for the retention of a qualified biologist to prepare and implement the needlegrass</p>	

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	that will result in a 1:1 ratio (acres created:acres removed) within a period of 3 years following termination of tank construction. A purple needlegrass restoration plan shall be developed, and may include specific measures identified in Section 5.3.3 of this EIR.		restoration plan if necessary (e.g. final location of the tanks cannot avoid the impact). CVWD is responsible for maintenance mowing. CVWD shall keep a copy of the plan and all documentation pertaining to maintenance mowing.	
BIO4	Santa Barbara Honeysuckle. Cuttings and/or seeds of this species shall be obtained from the annexation area and cultivated by a nursery experienced in native plants. Once established in containers, an adequate number of plants shall be planted on slopes disturbed by construction of retaining walls and artificial slopes to result in a 1:1 replacement by 5 years after construction. These Santa Barbara honeysuckle plants shall be maintained (weeded and irrigated as needed) for a period of 5 years. If 1:1 replacement has not occurred by the end of year 5, additional planting shall be required and the maintenance and monitoring extended until such time as the 1:1 replacement has been accomplished.	Prior to construction for collection and cultivation of plants. After construction for restoration planting.	CVWD is responsible for obtaining a qualified biologist/nursery to conduct collection and cultivation of plants. CVWD is responsible for the retention of a qualified biologist/restoration specialist to conduct the Santa Barbara Honeysuckle restoration. CVWD is responsible for maintenance weeding. CVWD shall keep a copy of the restoration plan and all documentation pertaining to maintenance weeding and irrigation.	
BIO5	Native Trees. A tree protection and replacement plan shall be implemented and shall incorporate at a minimum the following elements: All native trees shall be avoided to the extent feasible. The limits of ground disturbance (impact area) shall be staked along the access road to the upper tank site. A qualified arborist shall coordinate with the project	Prior to construction for access road grading, plan adjustments, and installation of protective fencing. After construction for installation of replacement trees.	CVWD is responsible for investigating the feasibility of access road grading plan adjustments and ensuring that the tree avoidance and replacement is conducted. CVWD shall make onsite inspections to ensure trees are protected during construction and are properly replaced after construction.	

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	<p>engineer to identify and protect native trees along the boundaries of the impact area. Trees to be protected shall be fenced at or outside of the edge of canopy to avoid damage during construction. Fencing shall be at least three feet in height of chain link, construction fencing, or other acceptable material and shall be staked every 6 feet. Signs stating "tree protection area" shall be placed at 15 foot intervals on the fence.</p> <p>Construction equipment staging, vehicle parking and storage areas shall be located outside of the protected area and shall be shown on project plans. No construction equipment shall be parked, stored or operated within the protected area. No fill soil, rocks or construction materials shall be stored or placed within the protected area.</p> <p>Any encroachment into the critical root zone of native trees shall adhere to the following standards:</p> <ul style="list-style-type: none"> - Any earthwork required within the critical root zone of a protected tree shall be done by hand to the extent feasible. - Any roots one inch in diameter or greater encountered during earthwork shall be cleanly cut and sealed. <p>All native trees shall be replaced at a 10:1 ratio with 1-gallon container stock of the same species. Replacement trees shall be planted on slopes disturbed by construction of retaining walls and artificial slopes.</p>			

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	Replacement trees shall be maintained (weeded and irrigated as needed) for a period of 5 years. Additionally, any unanticipated, project-related damage that results in the death of a tree during the five year maintenance period shall be mitigated as described above.			
BIO6	Nests. Construction activities shall not occur within 200 feet of natural habitat between March 1 and August 15, unless breeding bird surveys have been completed by a qualified ornithologist and no active nests are found within 200 feet of areas of proposed ground disturbance. The surveys shall be completed no more than two weeks prior to the initiation of construction. If active nests are found, all construction activity shall be terminated within 200 feet of the nest, until the nest is abandoned or the young have fledged.	Prior to Construction.	CVWD is responsible for ensuring the measure is implemented and shall retain copies of all bird surveys. Field inspections shall be conducted to ensure conformance with any necessary buffer areas in the event an active nest is found.	
Cultural Resources				
CUL1	At the commencement of project construction, an archaeologist shall provide a cultural resources orientation to the construction crew to familiarize the crew with the types of prehistoric and/or historic resources that might be exposed during construction, the necessity for preserving those resources, the importance of not removing cultural resources or allowing others to do so and the steps to be taken in the event that such a find is encountered. This orientation would include photographs of the types of resources most commonly encountered in the area. New workers to the construction site shall be	Prior to construction with individual training for new construction crew members when they arrive at the site during ground disturbing activities.	The archaeologist shall have each crew member who attends the orientation sign a role sheet. CVWD shall keep a copy of the sheet in the project file.	

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	provided the same orientation.			
CUL2	<p>An archaeologist and Native American shall be retained to monitor ground disturbance within those areas designated as archaeologically sensitive as shown on Figures 7a and b of the Phase I Archaeological Survey report prepared for the project by Conejo Archaeological Consultants (March 2002). Where locations of project components identified for monitoring on Figure 7a have been revised as described in Addendum 1 to the FEIR, the area to be monitored shall likewise be revised.</p> <p>In addition, ground disturbance at Pump Station No. 2, the turnaround south of Pump Station No. 2, and along the southern half (where it is adjacent to the Flood Control road) of the location of the existing concrete v-ditch to be widened shall be monitored.</p> <p>The archaeologist shall have the power to temporarily halt or redirect project construction in the immediate area of discovered cultural resource in the event that potentially significant cultural resources are exposed. Based on monitoring observations and the actual extent of project disturbance, the lead archaeologist shall have the authority to refine, from time to time, the monitoring requirements as appropriate (i.e., change to spot checks, reduce or increase the area to be monitored) in consultation with the lead agency.</p> <p>A monitoring report shall be prepared upon completion of construction. The report shall identify the locations monitored, and describe the results of the monitoring program and include a</p>	Archaeological monitoring shall occur during all periods of ground disturbances as identified above.	The archaeologist shall provide a copy of the monitoring report to CVWD. CVWD shall keep a copy of the report in the project file.	

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	conclusion whether the project resulted in any significant impacts to cultural resources and if so, what mitigation measures were implemented in response to those impacts. A photographic file for project documentation will also be prepared and maintained in the CVWD project file.			
CUL3	In the event that potentially significant archaeological resources are discovered at any time during project construction, a temporary halt work order shall be in effect in the immediate area of the discovered resources until the find has been evaluated by the project archaeologist and mitigated as necessary. A Chumash representative shall be retained to monitor any fieldwork associated with Native American resources.	During ground disturbance.	CVWD is responsible for ensuring that the contractor inform the District any time a potentially significant cultural resource is discovered during the project and for ensuring that an archaeologist is summoned to the site to evaluate the resource, if the archaeologist is not already present.	
CUL4	If human remains are discovered, during the course of project construction, State Health and Safety Code Section 7050.5 requires that no further disturbance shall occur until the County Coroner has made the necessary findings as to origin and disposition pursuant to Public Resources Code Section 5097.98. If the remains are determined to be of Native American descent, the coroner has 24 hours to notify the Native American Heritage Commission (NAHC). The NAHC will then contact the most likely descendent of the deceased Native American.	During ground disturbance.	CVWD is responsible for ensuring that the contractor inform the District every time human remains, or what appear to be human remains, are discovered and shall ensure the County Coroner is summoned. CVWD shall keep written documentation of any such incidents in the project file.	
CUL5	Project construction plans shall be designed to avoid impacting CA-SBA-1482 through the use of placing a fill cap over the portion of the resource area proposed to be modified prior to paving. The fill area shall be shown on final project grading plans.	Finalize fill cap plan, with the assistance of a qualified archaeologist, prior to project construction. Install fill cap in accordance with plan during	CVWD is responsible for ensuring that the grading plans include the proper fill cap and shall conduct periodic site inspection to ensure proper installation of the fill cap.	

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	<p>The design plan for the intentional burial, capping of the portion of CA-SBA-1482 within the project area of potential effect, must be conceived in a manner that will ensure maximum protection is afforded the resource while minimizing any negative effects caused by such an overburden. An archeologist shall design the site capping plan in consultation with the project engineer and geologist. The site capping plan should be approved by the State Historic Preservation Officer.</p>	<p>construction.</p>		
CUL6	<p>Project construction plans shall be designed to ensure that widening of the existing road between the S.B. County Flood Control Road and Santa Monica Road is accomplished by widening to the north side of the existing road only to avoid impacting archaeological resources associated with RMA-1 that are located to the south side of the existing road and were not the subject of the Phase 1.5 testing program.</p>	<p>Finalization of project plans prior to construction.</p>	<p>CVWD is responsible for ensuring that the site plans are appropriately designed and implemented during construction. CVWD shall conduct periodic site visits during construction to ensure proper implementation of the measure.</p>	
CUL7	<p>Project construction plans shall be designed, to the extent feasible, to avoid impacting RMA-2.</p> <p>If the site cannot be avoided, the following mitigation measure is proposed. The evaluation of the archaeological site's NRHP eligibility shall be done in consultation with SHPO. Mitigation measures shall be implemented to reduce potential impacts to significant archaeological sites to a No Effect or No Adverse Effect finding. The SHPO shall be consulted for concurrence on findings of effect (this may be through the DHS).</p>	<p>Prior to finalization of project plans.</p>	<p>CVWD is responsible for ensuring that the avoidance option is fully examined and that any feasible measures are implemented to reduce project impacts to RMA-2 with SHPO consultation (this may be through the DHS).</p>	

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CUL8	<p>An Extended Phase I excavation program shall be conducted using a series of STPs within the proposed alternative access road. Because the potential impact area of this site is more extensive than those of SBA-1482, the STPs will be laid out along a linear transect within the proposed access road area and spaced at no greater than 10 m (33 ft.) intervals. The results of the Extended Phase I subsurface testing program shall determine the need or lack thereof for Phase II archaeological excavation and/or construction monitoring within the RMA-2 site boundary.</p> <p>If determined necessary, as a result of the Extended Phase I Investigation, further archaeological data gathering and/or monitoring shall be conducted per the recommendations of the Extended Phase I Investigation report to ensure that impacts to RMA-2 are less than significant.</p>	Prior to construction of the CVWD access road along the alternative route.	CVWD is responsible for ensuring that if the avoidance option is not pursued, the Phase I and possibly II evaluation shall be conducted including any further recommendations for excavation or monitoring required to mitigate impacts to RMA-2 to a less than significant level and that such measures be completed with SHPO consultation (this may be through the DHS).	
CUL9	CVWD shall produce a documentation survey of the existing conditions of the property in the vicinity of the "Shepherds' House" and corral, with particular attention to the areas that are proposed to be graded in connection with the project, in accordance with Historic American Building Survey (HABS) standards. This documentation shall include archival quality photographs of exterior features, elevations and significant landscape features. The documentation package shall be produced under the direction of a qualified historic preservation professional, and shall be archived at an appropriate location. Prior to commencement of construction in the vicinity of the	Prior to commencement of any grading and construction activities within 200 feet of the "Shepherds House" and related corral on the road to the upper tank site.	A copy of the documentation and memo identifying the archival location of the documentation will be retained in CVWD files.	

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	Shepherd's House.			
CUL10	Grading plans shall take into account the fragile condition of the "Shepherd's House" and corral stone walls, and shall provide for avoidance of the building and corral in the design of the project, where possible, and stabilization and/or repair, as required.	Plan preparation prior to construction of the CVWD access road to the upper tank site. Measures to avoid structural disturbance and to provide protection from damage to the building and corral shall be implemented during construction that is proximate to the "Shepherds House".	CVWD shall review grading plans to ensure that site avoidance measures (e.g. fencing) are shown on the plans and shall conduct periodic site visits during construction to ensure compliance with this measure.	
CUL11	Retaining walls to be introduced in the immediate vicinity of (or proximate to) the "Shepherds House" shall be designed in a manner that is visually compatible with the historic character of the property. These plans shall be prepared by, or reviewed and approved by, a qualified historic preservation professional retained for conformance with the Secretary of Interior's Standards. Acceptable treatments may include applying colored and textured concrete to wall surfaces, and incorporating plantings. The objective of the mitigation is not to create a simulated historic feature of the proposed walls, but to aesthetically blend the walls into the existing setting. Treatment may not need to be applied to low segments of walls that would be quickly screened by the growth of vegetation under natural conditions.	Design prior to construction of the CVWD access road to the upper tank site. Implementation shall occur during wall construction activities.	CVWD shall review wall construction plans to ensure that wall design shown on the plans is consistent with this measure and shall conduct periodic site visits during construction to ensure compliance with this measure.	
CUL12	Grading activities within the vicinity of the "Shepherds House" shall be undertaken in a manner such that historic features are not damaged by retaining wall design, construction equipment, or	Design prior to construction of the CVWD access road to the upper tank site. Implementation shall	CVWD is responsible for notifying the contractor of this condition and conducting periodic site visits to ensure that historic features	

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	<p>personnel. Retaining walls to be introduced in the immediate vicinity of (or proximate to) the "Shepherds House" and associated corral shall be designed in a manner that does not place active earth pressures on the physical components of the historic complex. Where stabilization and/or repair of the "Shepherds House" and corral are required, the Secretary of the Interior's Standards shall be utilized, and plans prepared by, or reviewed and approved by, a qualified historic preservation professional.</p>	<p>occur during wall and road construction activities.</p>	<p>are avoided and if necessary, appropriate stabilization and/or repair is conducted.</p>	
Agricultural Resources				
AG1	<p>CVWD shall provide advance notice to the landowner and farmers/lessees with agricultural operations adjacent to the proposed construction area of the construction schedule at least two weeks prior to commencement of construction. CVWD shall also provide a contact person within the District who will respond to any farmer concerns during construction and who will be authorized to make reasonable modifications to project construction activities as appropriate to mitigate impacts upon adjacent agricultural operations.</p>	<p>Notification shall be provided prior to construction as identified above and the contact person shall be available throughout the construction period.</p>	<p>CVWD shall keep a copy of the notifications and written records of communication with farmers, and steps taken to mitigate impacts upon agricultural operations in the project file.</p>	
AG2	<p>CVWD shall preserve all topsoil at the excavation sites within agricultural areas in a separate stockpile during excavation and use it as the top layer of soil for fill operations. This measure shall be identified in the bid package to be circulated to interested contractors.</p>	<p>This measure shall be implemented during the excavation and fill phases of project construction.</p>	<p>CVWD shall retain a registered geologist to periodically inspect the site to ensure that the contractor is complying with the measure.</p>	
Aesthetics				
AES1	<p>The proposed upper tanks and retaining walls, including those on the road to the upper</p>	<p>Structures shall be painted, and landscaping and</p>	<p>CVWD will inspect the site to ensure appropriate finish of</p>	

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	<p>tank site, will have an exterior color that is a non-reflective earth tone that provides maximum visual blending with the surroundings of the site. Noninvasive vegetation shall be provided as landscaping at the site as necessary with the intent of reducing the visual impact of the tank as seen from public and private view corridors. Utilities shall be underground unless the undergrounding will be so expensive as to be impracticable. Color selection and undergrounding of electric utilities shall be shown on final construction plans.</p>	<p>utilities appropriately installed prior to use.</p>	<p>tanks, and installation of landscaping and utilities.</p>	