

MONTEREY COUNTY PLANNING COMMISSION

Meeting: September 12, 2012 Time: 9:00 A.M.	Agenda Item No.: 4
Project Description: Consider a Combined Development Permit (formerly PLN080052) consisting of: 1) Use Permit for the removal of the San Clemente Dam and related improvements; 2) Use Permit for the removal of the Old Carmel River Dam and related improvements; 3) Use Permit for development on 25% slopes; and 4) Use Permit for the removal of protected trees. The project includes road improvements on the construction access route along Cachagua Road and the Jeep Trail.	
Project Location: San Clemente Dam Region, at the confluence of the Carmel River (River Mile 18.5) and San Clemente Creek, approximately 15 miles southeast of the City of Carmel-by-the-Sea and 3.7 miles southeast of Carmel Valley Village.	APNs: 417-051-004-000; 417-051-005-000; 417-051-001-000; 417-251-002-000-M
Planning File Number: PLN110373	Owner: California American Water Agent: URS Corporation
Planning Area: Greater Monterey Peninsula Area Plan and Cachagua Area Plan	Flagged and staked: No
Zoning Designation: PG/160 [Permanent Grazing, with a minimum building site of 160 acres] and RC/1000 [Resource Conservation with a maximum gross density of one unit/1,000 acres]	
CEQA Action: Final EIR/EIS and two Final Supplemental EIRs	
Department: RMA - Planning Department	

RECOMMENDATION:

Staff recommends that the Planning Commission adopt a resolution (**Exhibit C**) to:

- 1) Consider an Environmental Impact Report/Environmental Impact Statement for the San Clemente Dam Seismic Safety Project (California Department of Water Resources, January 2008), a Supplement to the Final EIR for the San Clemente Dam Seismic Safety Project (Final SEIR No. 1, California Department of Water Resources, July 2012), and a Supplement No. 2 to the San Clemente Dam Seismic Safety Project Final EIR/EIS (Removal of Old Carmel River Dam) (Final SEIR No. 2, California Coastal Conservancy, August 2012);
- 2) Adopt the findings and Statement of Overriding Considerations set forth in the draft resolution (**Exhibit C**);
- 3) Approve the San Clemente Dam Seismic Safety Project, based on the findings and evidence and subject to the conditions of approval (**Exhibit C**); and
- 4) Adopt a Mitigation Monitoring and Reporting Plan.

The above recommendation is predicated on resolution of the following items:

- 1) Demonstrating proof of access to the Jeep Trail; and
- 2) Demonstrating proof of access to San Clemente Drive through the Sleepy Hollow Subdivision.

The status of both of these items is described in **Exhibit B**, Project Discussion, and will be discussed further in staff's presentation to the Planning Commission. The applicant must address these items to the satisfaction of staff prior to staff's recommendation of approval. If the above items are not resolved prior to September 12, 2012, staff will recommend continuation of the public hearing.

PROJECT OVERVIEW:

The San Clemente Dam is a 106-foot high concrete arch dam located approximately 18.5 miles from the Pacific Ocean on Carmel River, approximately 15 miles southeast of the City of Carmel-by-the-Sea and 3.7 miles southeast of Carmel Valley Village. The confluence of the Carmel River and San Clemente Creek is located just upstream of the dam. When the dam was constructed in 1921, it had a reservoir storage capacity of approximately 1,425 acre-feet. Today the reservoir has been filled by more than 2.5 million cubic yards of sediment, leaving a reservoir storage capacity of approximately 70 acre-feet. California American Water (CAW) owns and operates the dam. The dam no longer serves a useful purpose now that water is no longer diverted from upstream of the dam.

The California Department of Water Resources (CDWR) issued a safety order for the dam structure early in the 1990s, determining that San Clemente Dam could potentially fail in the event of either a major earthquake or flood. In 2006, CDWR released a Draft Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the San Clemente Dam Seismic Safety Project that evaluated five alternatives for addressing dam safety issues, including CAW's then-preferred approach of Dam Strengthening, as well as an alternative that would remove the San Clemente Dam and reroute the Carmel River (Alternative 3).

Strengthening the dam would resolve the public safety issues, but would not address other issues related to the dam such as impaired access for steelhead to 25 miles of upstream spawning and rearing habitat, disruption of sediment transport to the lower river and Carmel River beach, and ecological discontinuity of aquatic and riparian habitats. Removing the dam would resolve these issues and provide significant benefits to both steelhead and California red-legged frog. For these reasons, the California State Coastal Conservancy (as a lead for the State of California), National Oceanic and Atmospheric Administration's National Marine Fisheries Service, and the Planning and Conservation League Foundation worked with CAW to develop a feasible approach to cooperatively implement Alternative 3. In January 2008, CDWR certified the 2008 Final EIR/EIS, and in February 2008, CDWR indicated that the dam safety issue could be addressed through implementation of Alternative 3. The County of Monterey is a responsible agency for the project under CEQA.

Since selection of Alternative 3, CAW identified several necessary changes to Alternative 3. CDWR, as a lead agency, evaluated the proposed changes, and determined that a supplement to the Final EIR (SEIR) needed to be prepared. The Draft SEIR No. 1, prepared by CDWR, describes the revised project features and analyzes potential impacts associated with changes to the project and to proposed mitigation. The Draft SEIR No. 1 was released on April 24, 2012 for a 45-day public review period. The Final SEIR No. 1 was certified in July 2012.

The Old Carmel River Dam is located approximately 1,800 feet downstream of the San Clemente Dam on a bend of the Carmel River. Each of the project alternatives evaluated in the 2008 Final EIR/EIS included constructing a notch in the Old Carmel River Dam, with the exception of the no-project alternative. To improve fish passage and restore the Carmel River to a more natural state, CAW now proposes to completely remove the Old Carmel River Dam, rather than notch this dam as described and analyzed in the 2008 Final EIR/EIS. DWR did not address removal of the Old Carmel River Dam in the April 2012 SEIR. Therefore, a Second Draft SEIR (SEIR No. 2) was prepared by the California Coastal Conservancy to specifically address impacts related to removal of Old Carmel River Dam. The Draft SEIR No. 2 was released on June 14, 2012 for a 45-day review period. The Final SEIR No. 2 was certified in August 2012.

On September 6, 2011, the project was initially reviewed by the Carmel Valley Land Use Advisory Committee (LUAC). The LUAC members asked questions regarding project design details and requested a site visit before making a recommendation on the project. A joint site visit with the Planning Commission was held on May 23, 2012. The project was reviewed again by the LUAC on June 18 and July 2, 2012. Issues discussed at the LUAC meetings included potential downstream flooding, sedimentation transport, use of San Clemente Drive for construction access, the timing of the Cachagua Road closures, the location of park and ride lots for construction workers and California American Water's local-hire practices. On a 4-1-2-0 vote, the LUAC supported the project as proposed (see **Exhibit E**, Minutes of July 2, 2012 meeting).

See Project Discussion in **Exhibit B** for an in-depth discussion of the proposed project.

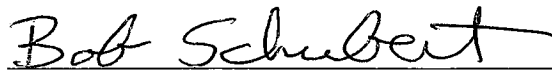
OTHER AGENCY INVOLVEMENT: The following agencies and departments reviewed this project:

- √ RMA - Public Works Department
- √ Environmental Health Bureau
- √ Water Resources Agency
- Cachagua Fire Protection District
- RMA - Building Department
- California Department of Fish and Game
- National Marine Fisheries Service
- United States Fish and Wildlife Service

Agencies that submitted comments are noted with a check mark ("√"). Conditions recommended by the RMA – Public Works Department, the Environmental Health Bureau, the Water Resources Agency, and the RMA – Planning Department have been incorporated into the Condition Compliance/Mitigation Monitoring and Reporting Plan attached to the draft resolution (**Exhibit C**).

The Carmel Valley Land Use Advisory Committee (LUAC) reviewed the project on September 6, 2011, June 18, 2012, and July 2, 2012. A joint site visit with the Planning Commission was held on May 23, 2012. LUAC recommended support of the project as proposed on a 4-1-2-0 vote.

Note: The decision on this project is appealable to the Board of Supervisors.



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September 4, 2012

cc: Front Counter Copy; Planning Commission; Cachagua Fire Protection District; Public Works Department; Parks Department; Environmental Health Bureau; Water Resources Agency; Wanda Hickman, Planning Services Manager; Bob Schubert, Project Planner; Jeff Syztel, Owner's Representative; John Chamberlain, Agent; Seth Gentzler, URS Corporation; Trish Chapman, California Coastal Conservancy; Laura Engeman, California Coastal Conservancy; Joyce Ambrosius, National Oceanic & Atmospheric

Administration; Megan Jones, Rincon Consultants; Henry Gowan; Kathleen Lee; Denise Duffy; Roberta Chappell; Brock Guruniazzi; Charles Page; Robert Reid; Kathleen Lee; Louis Ramirez; Steve Woolpert; Doug Gardner; Greg Martin, Matt Belleli, Steven Stanley, Melinda Friday, Louise Bishop, Joseph Demarig, Jack Galante, Tony Scardina, The Open Monterey Project; LandWatch; Planning File PLN110373

- Attachments:
- Exhibit A Project Data Sheet
 - Exhibit B Project Discussion
 - Exhibit C Draft Resolution, including:
 - Conditions of Approval
 - Mitigation Monitoring and Reporting Program
 - Exhibit D Vicinity Map
 - Exhibit E Carmel Valley Land Use Advisory Committee Minutes of July 2, 2012 Meeting (Distributed previously in July 2012)
 - Exhibit F Construction Access Alternatives Summary by Seth Guntzler dated July 13, 2012 (Distributed previously in July 2012)
 - Exhibit G Project Application (Distributed in packet for July 25, 2012 Workshop to Planning Commissioners only, on CD)
 - Exhibit H Supplemental Application Materials
 - Carmel River Reroute and Dam Removal Project Application Completeness Determination (May 16, 2012).
 - Response to Request for Additional Permit Application Information (July 12, 2012)
 - Attachments to Response to Request for Additional Permit Application Information
 - Park and Ride Lot Locations
 - Letter from National Marine Fisheries Service (July 31, 2012)
 - Exhibit I 2008 Final EIR/EIS (CDWR, distributed on August 29, 2012 to Planning Commissioners only, on CD)
 - Exhibit J July 2012 Final SEIR No. 1 (CDWR, distributed on August 29, 2012 to Planning Commissioners only, on CD)
 - Exhibit K August 2012 Final SEIR No. 2 (California Coastal Conservancy, distributed on August 29, 2012 to Planning Commissioners only, on CD)
 - Exhibit L Letter from Douglas J. Gardner (July 26, 2012)
 - Exhibit M Applicant's Response to Douglas J. Gardner Requests (August 17, 2012)
 - Exhibit N Public Comments

EXHIBIT A

Project Information for PLN110373

Project Information:

Project Name:	CALIFORNIA-AMERICAN WATER CO (SAN CLEMENTE DAM REMOVAL)		
Location:	SAN CLEMENTE DAM REGION		
Permit Type:	Combined Development Permit		
Environmental Status:	EIR	Final Action Deadline (884):	
Existing Structures (sf):	0	Coverage Allowed:	N/A
Proposed Structures (sf):	0	Coverage Proposed:	N/A
Total Sq. Ft.:	0	Height Allowed:	N/A
Tree Removal:	1,318	Height Proposed:	N/A
Water Source:	CARMEL RIVER AND SAN CLEMENTE CREE	FAR Allowed:	N/A
Water Purveyor:	N/A	FAR Proposed:	N/A
Sewage Disposal (method):	SEPTIC	Lot Size:	925
Sewer District:	N/A	Grading (cubic yds.):	1200000

Parcel Information:

Primary APN:	417-051-005-000	Seismic Hazard Zone:	VI,UNDETERMINED,IV
Applicable Plan:	Greater Monterey Peninsula, Cachagua Area Pla	Erosion Hazard Zone:	Low,High,Moderate
Advisory Committee:	Cachagua Advisory Committee	Fire Hazard Zone:	High,Very High
Zoning:	PG/160,RC/1000,RC/B-5/2054 AC MIN	Flood Hazard Zone:	A,X (shaded),AE
Land Use Designation:	Rivers and Water Bodies,Public/Quasi-Public	Archaeological Sensitivity:	high
Coastal Zone:		Viewshed:	
Fire District:	Cachagua FPD,Monterey County Regional FF	Special Setbacks on Parcel:	

Reports on Project Parcel:

Soils Report #:	
Biological Report #:	
Geologic Report #:	
Forest Management Rpt. #:	LIB120294
Archaeological Report #:	LIB120293
Traffic Report #:	

EXHIBIT B PROJECT DISCUSSION

Project Description

California American Water (CAW) has applied for a Combined Development Permit consisting of: 1) Use Permit for the removal of the San Clemente Dam and related improvements; 2) Use Permit for the removal of the Old Carmel River dam and related improvements; 3) Use Permit for development on 25% slopes; and 4) Use Permit for the removal of protected trees (see **Exhibit G**, Project Application). The project area is approximately 80 acres.

The project involves rerouting the Carmel River into San Clemente Creek at a location approximately 3,000 feet upstream of the dam, bypassing the majority of accumulated sediment in the Carmel River. The bypass will be excavated through the drainage divide between the Carmel River and San Clemente Creek. Upstream of the reroute channel, the Upper Carmel River will be excavated and restored to transition to existing channel grades upstream. The new combined flow reach between the Reroute Channel and the present dam location will be restored with focus on steelhead passage. Upstream of the combined flow reach, the Upper San Clemente Creek will also be excavated and restored to transition to existing channel grades upstream. The accumulated sediment in the San Clemente Creek will be excavated and relocated to the abandoned Carmel River arm, and the sediment in the abandoned Carmel River arm will be stabilized in place to form a sediment stockpile. A diversion dike will be constructed to divert the Carmel River flow into the San Clemente Creek drainage through the reroute channel, and to prevent flow from entering the upstream end of the abandoned reservoir. The project also includes road improvements on the construction access route along Cachagua Road and the Jeep Trail.

The two major roads that provide access to the project are San Clemente Drive from the north and Tassajara Road through Cachagua Road from the southeast. The applicant proposes the latter as the primary construction access route. From Cachagua Road, access would continue on an existing dirt road (referred to as the Jeep Trail) to a section of road that would be constructed, referred to as the Reservoir Access Road (see Item 2.1, Site Access Map, in Section 2 of **Exhibit G**, Project Application). The existing Jeep Trail is an access road owned and maintained by the Monterey Peninsula Regional Parks District and extends from Cachagua Road, winding through the hillsides adjacent to the site. A portion of the Jeep Trail is located on a Conservation and Scenic Easement that was deeded to Monterey County. Depending on the type of construction vehicles, the route would be either via the northern end of Cachagua Road (3 miles) or via Tassajara Road to the southern end of Cachagua Road (8.3 miles). Tassajara Road and the northern end of Cachagua Road are both off of Carmel Valley Road.

Several small staging areas would be created along the Jeep Trail and the Reservoir Access Road for stockpiling materials, vehicles and equipment during construction. Limited secondary access would be from San Clemente Drive off of Carmel Valley Road. San Clemente Drive runs from Carmel Valley Road through the Sleepy Hollow subdivision and onto CAW property.

The section of Cachagua Road to the south of the intersection with the Jeep Trail has five curves that would be difficult for tractor-trailers pulling lowboys to negotiate. The five curves would require widening to allow passage of the larger construction vehicles. This section of Cachagua Road has a load-restricted one-lane bridge that would need improvements to handle construction equipment loads.

The duration of construction is estimated to be approximately 40 months, to occur over four or five construction seasons. When all project elements are in place, both the San Clemente Dam and the Old Camel River Dam will be removed. Habitat restoration and re-vegetation will be performed for the Upper Carmel River reach, reroute channel and slopes, combined flow reach, diversion dike, stabilized sediment slope and the sediment stockpile. The restoration will include transitioning to the limit of construction and/or existing undisturbed vegetation. After project completion, CAW intends to convey the property around the San Clemente Dam to the Bureau of Land Management.

Project Issues

Key project issues are related to the proposed removal of protected trees, construction access alternatives, local traffic disruption from access road improvements, proof of access easements, parking for construction workers, grading, and potential impacts to sensitive habitats.

Tree Removals

The project lies in two planning areas: the Greater Monterey Peninsula Area Plan and the Cachagua Area Plan, each with a distinct list of protected trees. Oak trees are the only species protected in the Greater Monterey Peninsula Area Plan. The Cachagua Area Plan list of protected trees includes Santa Lucia Fir, Black Cottonwood, Fremont Cottonwood, Box Elder, Willows, California Laurel, Sycamore, Oak and Madrone.

The protected trees in the vicinity of the project construction activities were inventoried and mapped (see Attachment C, Arborist Report and Forest Management Plan in **Exhibit G**, Project Application). These maps then were overlaid on the design plans to see if changes could be made to minimize tree removals. As a result, two design changes were made to minimize removal of protected trees, avoiding 47% of the trees that would have been removed by implementation of the initial design. The first design change relocated staging areas to avoid removing groves of large oaks, avoiding the removal of 893 protected trees. The second design change resulted in avoidance of 251 additional trees through modifications to the Jeep Trail and Reservoir Access Road alignment and staging areas. As a result, the total number of protected trees proposed for removal was reduced from 2,463 to 1,318. In addition, the number of trees to be pruned decreased by 65%, from 196 to 68, via design changes to minimize construction impacts.

Proposed mitigation ratios for tree replacement are as follows:

- 50% of removed oak trees will be mitigated at 3:1 for the entire project area;
- 50% of removed oak trees will be mitigated by providing or acquiring a conservation easement; and
- 100% of removed protected non-oak trees will be replaced at 1:1 for ratio the Cachagua Area Plan.

The proposed mitigation meets the requirements of Public Resources Code section 21083.4 and Monterey County Code Section 21.64.260.D.4. Installation of the trees listed in the proposed planting plan results a net gain of trees.

Construction Access Alternatives

A site visit was conducted on July 11, 2012 with members of the design teams, the California Coastal Conservancy, County staff and members of the public to see the proposed and alternative construction access routes. In addition, the applicant submitted a memorandum summarizing the analysis of construction access alternatives (see **Exhibit F**, Construction Access Alternatives Summary by Seth Guntzler dated July 13, 2012). Initially, three primary routes were considered

for construction access to the site (see Figures 1, 2, and 2-1 in **Exhibit F**). The three options were as follows:

1. San Clemente Drive to the Low Road (Low Road option)
2. San Clemente Drive to the High Road (High Road option)
3. Cachagua Road to the Jeep Trail (Jeep Trail option)

Option 1 (San Clemente Drive to the Low Road) was eliminated from further consideration by the applicant due to the lack of practical and feasible options to improve the road, in addition to safety concerns associated with falling rock and landslides from the uphill slope adjacent to the road.

Option 2 (High Road option) would involve improvement of San Clemente Drive (inside of California American Water's gate) and the High Road. This would include improving approximately 14,300 linear feet of existing dirt road to a minimum width of 18 feet and providing a 12-foot wide travel surface of graded aggregate base. The width increase would result in significant uphill and downhill daylight slopes along the alignment, impacting a significant number of existing trees and habitat. Since the High Road currently extends only to the top of the San Clemente Dam, a High Road extension would need to be constructed (approximately 3,300 linear feet) for equipment to access the work area. In addition, the San Clemente Drive bridge across Tularcitos Creek would need to be replaced, and two new bridges would need to be constructed, one across Carmel River at the Sleepy Hollow ford, and one across San Clemente Creek, to access the work area.

Option 3 (the Jeep Trail option) is the option proposed by the applicant and analyzed in the SEIR No. 1. It involves accessing the site via the Jeep Trail and a new reservoir access road, which would enter the site from east of the existing reservoir. The existing Jeep Trail is an access road owned and maintained by the Monterey Peninsula Regional Parks District and extends from Cachagua Road, winding through the hillsides adjacent to the site. Depending on the type of construction traffic, the route to the Jeep Trail would either be via Cachagua Road off of Carmel Valley Road, or via Tassajara Road off of Carmel Valley Road, connecting to south Cachagua Road. Improvements to the Jeep Trail include improving approximately 11,500 linear feet of existing dirt road to a minimum width of 18 feet and providing a 12-foot wide travel surface of graded aggregate base. The width increase would result in uphill and downhill daylight slopes along the alignment, impacting existing trees and habitat. A new reservoir access road (approximately 3,000 linear feet) would need to be constructed to connect the Jeep Trail to the work area. In addition to these road improvements, a number of public road improvements would be required to accommodate construction traffic. Improvements would be needed in six separate locations and would involve expanding the road width to allow for a greater turning radius, thinning vegetation to improvement sight distance, and adding structural supports to one bridge (Bridge #529 on Cachagua Road) to allow for the weight of construction equipment.

Table 1 (below) summarizes key components and impacts associated with the two access route options.

Table 1. Access Route Option Summary

Access Element	Jeep Trail Option	High Road Option
Length of Existing Road Improvement (18' width)	11,500 linear feet	14,300 linear feet
Existing Road Improvement Trees Impacted	352 trees	438 trees*
Length of New Road Construction	3,000 linear feet	3,300 linear feet
New Road Disturbance Footprint	2.8 acres	7.3 acres
New Road Trees Impacted	134 trees	291 trees
Total Trees Impacted	486 trees	729 trees
Existing Bridge Improvement	Minor improvements to Bridge #529 on Cachagua Road	Replacement of Bridge at Tularcitos Creek
New Bridge Construction and Associated Impacts	None	Two (2) New Bridges: at Sleepy Hollow Ford and San Clemente Creek

**Tree estimate for the High Road improvement is based on review of aerial photographs, and a resulting conclusion that tree impacts per linear foot would be similar to those associated with the Jeep Trail improvement.*

In conclusion, the High Road option results in approximately 2,800 linear feet of additional road improvement, approximately 300 linear feet of additional new road construction, and three additional new or replacement bridges, compared to the Jeep Trail option. In addition, the High Road option results in a 50% increase in the number of trees impacted and an additional 4.5 acres of new road construction disturbance area/habitat, compared to the Jeep Trail option.

The project before the Planning Commission proposes to utilize the Jeep Trail option, as described above and analyzed in the SEIR No. 1. The existing Jeep Trail is owned and maintained by the Monterey Peninsula Regional Parks District (MPRPD). A portion of the Jeep Trail is located on a Conservation and Scenic Easement that was deeded to Monterey County. Proof of the right to use the Jeep Trail for access during construction is discussed below.

Local Traffic Disruption from Access Road Improvements

Primary construction access would be provided via Tassajara Road to Cachagua Road. From Cachagua Road, access would continue on an existing dirt road (referred to as the Jeep Trail) to a section of road that would be constructed, referred to as the Reservoir Access Road.

Cachagua Road (from Carmel Valley Road) would be used to bring construction personnel to the site and for highway-legal dump trucks and similarly sized vehicles that would haul aggregates and other construction materials to the site. Because the road is winding and narrow, vehicles hauling construction materials would require traffic control in the form of pilot cars. Also, tree branch pruning would be conducted at the intersection of Carmel Valley Road and Cachagua Road to improve site distance to meet Monterey County requirements.

Larger construction traffic (primarily tractor-trailers mobilizing heavy construction equipment) would access the Jeep Trail via Carmel Valley Road to Tassajara Road to the southern arm of Cachagua Road. Cachagua Road from Tassajara Road has five curves that would require widening to allow passage of the larger construction equipment. In addition, there is one load-

restricted one-lane bridge that would be permanently improved to handle heavy construction equipment loads. The environmental impacts of these road improvements were address in the April 2012 Draft SEIR No. 1.

Residents of the Cachagua community have expressed concerns over the Cachagua Road improvements and impacts resulting from construction access over the length of the project. These concerns include the hours of construction equipment movement, the potential for full or partial road closures, adherence to construction timelines, road deterioration from construction activities, and communication. Refer to **Exhibit L**, Letter from Douglas J. Gardner, for a complete description of the community's concerns and **Exhibit M**, Applicant Response to Douglas J. Gardner Requests, for an outline of how these concerns have been addressed.

On August 30, 2012, the applicant and County staff (Planning and Public Works) met with nine neighbors that live along Cachagua Road to discuss their concerns regarding traffic impacts on Cachagua Road during construction. Following the meeting, Planning and Public Works staff drafted a condition (see Condition PWSP002 in the attached MMRP) that requires the applicant to:

- require both contractors to submit Construction Management Plans (CMPs) for review and approval by the Monterey County RMA Planning Department and RMA Public Works Department prior to the issuance of any grading or encroachment permits and prior to the initiation of any construction related activity that could adversely affect traffic on County roadways;
- require both contractors to hold public outreach meetings to obtain comments on the CMPs prior to County approval of the CMPs;
- restrict any road closures on Cachagua Road to the hours of 9 am to 3 pm on non holiday weekdays;
- prohibit any road closures when school buses are running;
- require pilot cars on Cachagua Road;
- require trucks to use turnouts on Cachagua Road;
- require signage on Carmel Valley Road at the intersections of Cachagua Road and Tassajara Road with notification of weekly trips and road closures; and
- require signage with the phone number of a Traffic Control Coordinator for the reporting of any violations.

Proof of Access

Monterey County General Plan Policy C-3.6 requires proof of access as part of any development application when the proposed use is not identified in the provisions of the applicable agreement. The proposed project will require access through two roads that are held as private easements. These include the Jeep Trail and San Clemente Drive.

Jeep Trail Access. The existing Jeep Trail is an access road owned and maintained by the Monterey Peninsula Regional Parks District (MPRPD) and extends from Cachagua Road, winding through the hillsides adjacent to the site. A portion of the Jeep Trail is located on a Conservation and Scenic Easement that was deeded to Monterey County.

The applicant and MPRPD have negotiated a Memorandum of Agreement (MOA) for access to this portion of the Jeep Trail for the length of project construction. At the time of preparation of this staff report, the MOA was pending approval by the MPRPD Board of Directors. County staff expects the MOA to be approved by September 12, 2012. If approved, the MOA will be

provided to the Planning Commission at the hearing. If staff has not received the approved MOA by the hearing, staff will recommend continuation of the hearing.

San Clemente Drive Access. San Clemente Drive, through the Sleepy Hollow Subdivision, would be used for management access to the site. Cal Am currently has an easement on San Clemente Drive for access to the existing filter plant. However, the Sleepy Hollow Homeowner's Association (HOA) questioned whether the existing easement included access to the SCD. The applicant and HOA have been actively working together to reach an agreement on access to the project site for the length of project construction. A final agreement is expected before the Commission's September 12, 2012 hearing and, if reached, the agreement will be provided to the Planning Commission at the hearing. If staff has not received the final agreement by the hearing, staff will recommend continuation of the hearing.

Parking for Construction Workers

In order to minimize traffic impacts during construction, on-site parking will be limited to 12 temporary parking spaces for equipment in use and workers. The first phase of the project involves access road improvements beginning in the fall of 2012. During this initial phase, two existing Caltrans Park and Ride lots will be used, including one near the intersection of Laureles Grade Road and Highway 68, and one at the Crossroads Shopping Center in Carmel (refer to **Exhibit H**, Supplemental Application Materials). Laborers would be shuttled by minibus back and forth from this location to the access road improvement sites. Once work starts on the dam removal, temporary Park and Ride lots will be constructed in the Carmel Valley area to accommodate up to 80 workers. The location of these lots has not been determined at this time. The temporary Park and Ride lots for the second phase of the project will require future discretionary permits from Monterey County.

Grading

The accumulated sediment from both the San Clemente Creek arm and a portion of the Carmel River arm would be excavated, relocated, stabilized and retained in a stockpile. Compared to the previously analyzed Alternative 3, the proposed project would: increase removal of accumulated sediment from approximately 380,000 to 830,000 cubic yards (relocating sediment to the Carmel River arm sediment disposal area); would construct 12 staging areas along the Jeep Trail; would utilize Tassajara Road and Cachagua Road for heavy equipment mobilization; and would include a new screening plant upstream of the diversion dike, among other changes.

A diversion dike would be constructed to divert the Carmel River into the San Clemente Creek drainage through a reroute channel and to prevent flow from passing into the sediment stockpile. The total grading quantities are 1,243,640 cubic yards of cut and 1,198,200 cubic yards of fill. Although the cut/fill volumes are different due to density differences after handling, the mass of excavated material is the same as that to be filled.

Sensitive Habitat

Sensitive habitats within the project area were identified and mapped for California Red Legged Frog, steelhead, California tiger Salamander and Monterey spineflower. The Landscape Restoration Plan (see Section 3 and Attachments F and G in **Exhibit G**, Project Application) includes the following:

- *Riparian:* Approximately 19.8 acres of riparian vegetation will be planted in a corridor paralleling the banks of the reconstructed river.
- *Wetland:* Approximately 3 acres of wetlands will be restored to achieve a no net loss of wetland and provide habitat for California Red Legged and other wildlife.

- *Upland*: Oak woodlands, chaparral and scrub are proposed for upland restoration in appropriate locations.

Habitat construction activities would be completed at the end of each construction season, but most restoration would occur during the fourth construction year. These activities include collection, growing, installation and maintenance of replacement plants in the restoration areas.

CEQA

The proposed project has been analyzed in three separate CEQA documents, and mitigation measures that apply to the project are contained in two separate MMRPs. Table 2 provides a timeline of environmental review, including dates of document certifications, and describes the scope and content of each document. Site visits and previous LUAC and Planning Commission meetings are also included.

Table 2. Timeline

Date	Document/Activity	Scope and Content
April 2006	Draft EIR/EIS	Analyzed the “proponent’s proposed project” (dam strengthening) and four alternatives. The current project (dam removal) was analyzed as Alternative 3. Issue areas included: Geology and Soils, Hydrology and Water Resources, Water Quality, Fisheries, Vegetation and Wildlife, Wetlands, Air Quality, Greenhouse Gas Emissions, Noise, Traffic and Circulation, Cultural Resources, Visual Resources (Aesthetics), Recreation, Land Use, and Environmental Justice.
January 2008	Final EIR/EIS	Same as Draft EIR/EIS with the addition of Responses to Comments.
February 2008	Selection of Alternative 3	The California State Coastal Conservancy, National Oceanic and Atmospheric Administration’s National Marine Fisheries Service (NMFS), and the Planning and Conservation League Foundation worked with Cal Am to develop a feasible approach to cooperatively implement Alternative 3.
March 2011	Notice of Determination (NOD) and MMRP	NOD filed with the State Clearinghouse (SCH) identifying Alternative 3 as the preferred alternative. MMRP for Alternative 3 received by CDWR.
September 6, 2011	Carmel Valley LUAC Meeting	LUAC members asked questions regarding project design details and requested a site visit before making a recommendation on the project.
February 15, 2012	Site Visit	Attended by the applicant team, U.S. Army Corps of Engineers, Regional Water Quality Control Board, CDFG, and County staff.
April 2012	Draft SEIR No. 1	Analyzed changes proposed to Alternative 3, including an increase in removal of accumulated sediment; construction of staging areas; utilization of Tassajara Road and Cachagua Road, and use of a new screening plant, among other changes. The Draft SEIR No. 1 included all issue areas contained in Final EIR/EIS except Hydrology and Water Resources, Land Use, and Environmental Justice. The SEIR added the issue of Greenhouse Gas Emissions. The Draft SEIR No. 1 included nine new impacts not included in the Final EIR/EIS: WI-14 (Increased Traffic on Cachagua/Jeep Trail), WI-15 (Nighttime Work and Associated Lighting), AQ-1a (Screening Plant Operations), AQ-3a (Project Generated Traffic – Additional Truck Trips), Alternative 3 GHG emissions (no issue number given), TC-8 (Delays to Emergency Vehicles), VQ-5a (Changes to Viewsheds near or on the Jeep Trail), VQ-6 (Light and Glare from Nighttime Construction Activities), and REC-5 (Delays for Motorists Travelling to Los Padres National Forest).
April 18, 2012	Application Filed	The applicant submitted an application for a Combined Development Permit to the Monterey County RMA Planning Department.
May 23, 2012	Site Visit	Attended by members of the Carmel Valley LUAC, Planning

Table 2. Timeline

Date	Document/Activity	Scope and Content
		Commission, and County staff.
June 2012	Draft SEIR No. 2	Analyzed removal of the OCRD and associated fish ladder, which was not analyzed in either the Final EIR/EIS or Draft SEIR No. 1. The Draft SEIR No. 2 included the following issue areas: Hydrology and Water Resources, Water Quality, Fisheries, Vegetation and Wildlife, Wetlands, Air Quality, Greenhouse Gas Emissions, Noise, Traffic and Circulation, and Cultural Resources. The Draft SEIR No. 2 identified one new impact not included in the Final EIR/EIS or Draft SEIR No. 1: TC-9 (Removal of OCRD Bridge). Two new mitigation measures were also identified: WQ-12a and FI-14a.
June 18 and July 2, 2012	Carmel Valley LUAC Meetings	Issues discussed included potential downstream flooding, sedimentation transport, use of San Clemente Drive for construction access, the timing of the Cachagua Road closures, the location of park and ride lots for construction workers and California American Water's local-hire practices. On a 4-1-2-0 vote, the LUAC supported the project as proposed.
July 11, 2012	Construction Access Alternatives Site Visit	Attended by members of the design teams, the California Coastal Conservancy, County staff and members of the public.
July 25, 2012	Monterey County Planning Commission Workshop	Planning Commission held workshop to receive staff presentation on the proposed Combined Development Permit for the Carmel River Reroute and Dam Removal Project.
July 27, 2012	Final SEIR No. 1, NOD, and MMRP	Responses to Comments on the Draft SEIR No. 1. Associated MMRP included all mitigation applicable to the project from both the Final EIR/EIS and SEIR No. 1. This includes 71 measures in the following issue areas: Geology and Soils, Hydrology and Water Resources, Water Quality, Fisheries, Vegetation and Wildlife, Wetlands, Air Quality, Greenhouse Gas Emissions, Noise, Traffic and Circulation, Cultural Resources, Visual Resources (Aesthetics), and Recreation.
August 8, 2012	SEIR No. 2 NOD	NOD for OCRD Removal filed with SCH.
August 22, 2012	Final SEIR No. 2 and Draft MMRP	Responses to Comments on the Draft SEIR No. 2. MMRP includes only two new mitigation measures identified in the Final SEIR No. 2: WQ-12a and FI-14a.
August 30, 2012	Meeting with Cachagua Road neighbors	The applicant and County staff (Planning and Public Works) met with nine neighbors that live along Cachagua Road and discussed their concerns regarding traffic impacts on Cachagua Road during construction.
September 12, 2012	Monterey County Planning Commission Hearing	Subject to proof of site access and resolution of resident concerns along Cachagua Road, staff recommends that the Planning Commission adopt a resolution to consider three CEQA documents, approve the project, and adopt an MMRP.

Based on the analysis contained in the 2008 Final EIR/EIS, Final SEIR No. 1, and Final SEIR No. 2, the proposed project would result in 13 significant and unavoidable environmental impacts. These include:

- *Issue WQ-9 (Reservoir Drawdown)*
- *Issue AQ-1 (Dam Site Activities)¹*
- *Issue AQ-1a (Screening Plant Operations)*
- *Issue NO-1 (Dam Site Activities)²*
- *Issue NO-2 (Access Road Upgrades)*

¹ Issue AQ-1a in the SEIR No. 2

² Issue NO-1a in the SEIR No. 2.

- *Issue NO-3 (Project-Generated Traffic)*
- *Issue TC-1 (Road Segment Traffic Operations)*
- *Issue CR-4 (CR-4a in SEIR No. 2) (Demolition or Alteration to Historic Properties)*
- *Issue VQ-2 (Changes to Viewsheds from Residences Adjacent to SCD)*
- *Issue VQ-5a (Changes to Viewsheds near or on the Jeep Trail)*
- *Issue VQ-6 (Light and Glare from Nighttime Construction Activities)*
- *Issue REC-2 (Disruption of Use of Jeep Trail to Stone Cabin)*
- *Issue REC-5 (Delays for Motorists Travelling to Los Padres National Forest)*

The Lead Agency for the 2008 Final EIR/EIS and SEIR No. 1 was CDWR. The Lead Agency for the SEIR No. 2 was the California Coastal Conservancy. Monterey County is a Responsible Agency for the project under CEQA.

Combined Development Permit

As a Responsible Agency, the County of Monterey has been requested to issue a Combined Development Permit for the proposed project, including four separate Use Permits: one for removal of the San Clemente Dam and related improvements; one for the removal of the Old Carmel River Dam and related improvements; one for development on 25% slopes; and one for the removal of protected trees. All Use Permits require a public hearing pursuant to Chapter 21.78 of the Monterey County Code. In addition, in order to grant any Use Permit the Planning Commission is required make the following findings (per Section 21.74.050):

1. *The establishment, maintenance, or operation of the use or structure applied for, will not, under the circumstances of the particular case, be detrimental to health, safety, peace, morals, comfort, and general welfare of persons residing or working in the neighborhood of such proposed use; or be detrimental or injurious to property and improvement in the neighborhood; or to the general welfare of the County.*
2. *The subject property is in compliance with all rules and regulations pertaining to zoning uses, subdivision, and any applicable provisions of Title 21 and any zoning violation abatement costs have been paid.*

For a discussion of these findings, refer to Finding #4 (Health and Safety), Finding #2 (Consistency), and Finding #5 (No Violations) in **Exhibit C**. As described therein, the proposed project would not be detrimental to the health, safety, peace, morals, comfort, and general welfare of persons residing or working in the neighborhood of such proposed use, or be detrimental or injurious to property and improvements in the neighborhood or to the general welfare of the County (Finding #4). In addition, the project would be consistent with applicable General Plan and Area Plan policies (Finding #2). Lastly, the subject property is in compliance with all rules and regulations pertaining to zoning uses, subdivision, and any other applicable provisions of the County's zoning ordinance (Finding #5). No violations exist on the property.

Specific findings are also required for development on slopes and tree removal. Refer to Finding #6 (Development on Slope) and Finding #7 (Tree Removal). As described therein, there is no feasible alternative that would allow development to occur on slopes of less than 25%. In addition, the proposed development better achieves the goals, policies and objectives of the Monterey County General Plan, Cachagua Area Plan, Greater Monterey Peninsula Area Plan, and the Monterey County Zoning Ordinance (Title 21) than other development alternatives (Finding #13). In addition, proposed tree removal is the minimum required under the circumstances and the removal will not involve a risk of adverse environmental impacts (Finding #7).

**EXHIBIT C
DRAFT RESOLUTION**

**Before the Planning Commission in and for the
County of Monterey, State of California**

In the matter of the application of:

CALIFORNIA AMERICAN WATER (PLN110373)

RESOLUTION NO. ----

Resolution by the Monterey County Hearing Body:

- 1) Considering an Environmental Impact Report/Environmental Impact Statement for the San Clemente Dam Seismic Safety Project (California Department of Water Resources, January 2008), a Supplement to the Final EIR for the San Clemente Dam Seismic Safety Project (Final SEIR No. 1, California Department of Water Resources, July 2012), and a Supplement No. 2 to the San Clemente Dam Seismic Safety Project Final EIR/EIS (Removal of Old Carmel River Dam) (Final SEIR No. 2, California Coastal Conservancy, August 2012);
- 2) Adopting the findings and Statement of Overriding Considerations set forth herein;
- 3) Approving the San Clemente Dam Seismic Safety Project, based on findings evidence and subject to conditions of approval; and
- 4) Adopting a Mitigation Monitoring and Reporting Plan.

[PLN110373, California American Water, at the confluence of the Carmel River and San Clemente Creek, Greater Monterey Peninsula Area Plan and Cachagua Area Plan (APNs: 417-051-004-000; 417-051-005-000; 417-051-001-000; 417-251-002-000-M)]

The San Clemente Dam Seismic Safety Project application (PLN110373) came on for public hearing before the Monterey County Planning Commission on September 12, 2012. Having considered all the written and documentary evidence, the administrative record, the staff report, oral testimony, and other evidence presented, the Planning Commission finds and decides as follows:

FINDINGS

1. **FINDING:** **PROJECT DESCRIPTION** – The proposed project (PLN110373) is a Combined Development Permit (CDP) consisting of: 1) Use Permit for the removal of the San Clemente Dam and related improvements; 2) Use Permit for the removal of the Old Carmel River Dam and related

improvements; 3) Use Permit for development on 25% slopes; and 4) Use Permit for the removal of protected trees. The project includes road improvements on the construction access route along Cachagua Road and the Jeep Trail. The project additionally includes rerouting of the Carmel River into San Clemente Creek and restoration.

- EVIDENCE:**
- a) The application, project plans, and related support materials submitted by the project applicant to the Monterey County RMA - Planning Department for the proposed project found in Project File PLN110373.
 - b) Environmental Impact Report/Environmental Impact Statement for the San Clemente Dam Seismic Safety Project (CDWR, January 2008), a Supplement to the Final EIR for the San Clemente Dam Seismic Safety Project (Final SEIR No. 1; CDWR, July 2012), and a Supplement No. 2 to the San Clemente Dam Seismic Safety Project Final EIR/EIR (Removal of Old Carmel River Dam) (Final SEIR No. 2; California Coastal Conservancy, August 2012).

2. **FINDING:** **CONSISTENCY** – The Project, as conditioned, is consistent with the applicable plans and policies which designate this area as appropriate for development.

- EVIDENCE:**
- a) The project site is located in San Clemente Dam region, at the confluence of the Carmel River (River Mile 18.5) and San Clemente Creek, approximately 15 miles southeast of the City of Carmel-by-the-Sea and 3.7 miles southeast of Carmel Valley Village (Assessor's Parcel Numbers 417-051-004-000; 417-051-005-000; 417-051-001-000; 417-251-002-000-M), Greater Monterey Peninsula Area Plan and Cachagua Area Plan. The parcel is zoned PG/160 [Permanent Grazing, with a minimum building site of 160 acres] and RC/1000 [Resource Conservation with a maximum gross density of one unit/1,000 acres]. The project involves removal of the San Clemente Dam, Old Carmel River Dam, and related improvements; rerouting of the Carmel River into San Clemente Creek; and restoration. The project does not constitute the development of a new land use and is therefore consistent with existing zoning for the site.
 - b) During the course of review of this application, the project has been reviewed for consistency with the text, policies, and regulations in:
 - the 2010 Monterey County General Plan;
 - Greater Monterey Peninsula ("GMP") Area Plan;
 - Cachagua ("CACH") Area Plan; and
 - Monterey County Zoning Ordinance (Title 21).No conflicts were found to exist. No communications were received during the course of review of the project indicating any inconsistencies with the text, policies, and regulations in these documents.
 - c) The proposed project is consistent with the following General Plan and Area Plan policies:
 - 1. **Policy LU-1.11 - Development proposals shall be consistent with the General Plan Land Use Map designation of the subject property and the policies of this plan.** The project site is located in both the Cachagua and Greater Monterey Peninsula area plans and is designated as Permanent Grazing and Resource Conservation. The

project does not include development of a new land use and is therefore consistent with the General Plan Land Use Map designations and land use designations in both the CACH and GMP Area Plans. Therefore, the proposed project is consistent with Policy LU-1.11 of the General Plan.

2. **Policy C-2.4 - A reduction of the number of vehicle miles traveled per person shall be encouraged.** Mitigation for Issue TC-1 in the 2008 Final EIR/EIS and SEIR No. 1, which are made conditions of project approval, include the requirement that a trip reduction plan be prepared that identifies measures to reduce the number of vehicle trips generated by construction workers. These measures include a ride-sharing program using buses, and/or vanpools to reduce construction worker trips. Prior to commencing work on the dam, the applicant will establish an off-site park-and-ride area for project employees in Carmel Valley Village or another remote location and promote the use of carpools or vanpools to transport employees to the project site. Therefore, the proposed project is consistent with Policy C-2.4 of the General Plan.
3. **Policy C-3.4 - Strategies to encourage travel in non-peak hours shall be supported.** Mitigation for Issue TC-1 in the 2008 Final EIR/EIS and SEIR No. 1, which are made conditions of project approval, include preparation of a traffic coordination and communication plan that defines the specific schedules for truck delivery and worker shifts to avoid periods of peak commute traffic including school bus traffic on area roadways. Therefore, the proposed project is consistent with Policy C-3.4 of the General Plan.

Policy C-3.6 – The County shall establish regulations for new development that would intensify use of a private road or access easement. Proof of access shall be required as part of any development application when the proposed use is not identified in the provisions of the applicable agreement. The proposed project will require access through two roads that are held as private easements. These include the Jeep Trail and San Clemente Drive. The existing Jeep Trail is an access road owned and maintained by the Monterey Peninsula Regional Parks District (MPRPD) and extends from Cachagua Road, winding through the hillsides adjacent to the site. A portion of the Jeep Trail is located on a Conservation and Scenic Easement that was deeded to Monterey County. The applicant and MPRPD have negotiated a Memorandum of Agreement (MOA) for access to this portion of the Jeep Trail for the length of project construction. The MOA was approved by the MPRPD Board of Directors on [DATE]. The applicant and Sleepy Homeowner's Association reached an agreement on access to the project site on [DATE]. *COMMENT: As discussed in the staff report, the applicant must address these highlighted items to the satisfaction of staff prior to staff's recommendation of approval. If these items are not resolved prior to September 12, 2012, staff will recommend continuation of the public hearing.* Therefore, the project is expected to be consistent with General Plan Policy C-3.6.

4. **Goal OS-1 - Retain the character and natural beauty of Monterey County by preserving, conserving, and maintaining unique physical features, natural resources, and agricultural operations.** The project results in short-term, significant and unavoidable visual impacts (Issue VR-2, 5a, and 6 in the 2008 Final EIR/EIS and SEIR No. 1). However, the project includes removal of the SCD, OCRD, and related improvements, and will return the project site to a more natural character. Therefore, the proposed project is consistent with Goal OS-1 of the General Plan.
5. **Goal OS-3 – Prevent soil erosion to conserve soils and enhance water quality.** Project mitigation (Issue GS-4 in the 2008 Final EIR/EIS and SEIR No. 1), which is made a condition of project approval, requires slope stabilization with rock and concrete and implementation of erosion control and water quality best management practices (BMPs) in the project stormwater pollution prevention plan (SWPPP), among other measures. Erosion impacts were determined to be less than significant. In addition, stream restoration and revegetation will stabilize sediment in the reservoir area and avoid long-term significant impacts (Issue WR-2a in the 2008 Final EIR/EIS and SEIR No. 1). Therefore, the proposed project is consistent with Goal OS-3 of the General Plan.
6. **Policy OS-3.1 – Best Management Practices (BMPs) to prevent and repair erosion damage shall be established and enforced.** The project is required to comply with a stormwater pollution prevention plan (SWPPP), which includes erosion control and water quality BMPs. Therefore, the proposed project is consistent with Policy OS-3.1 of the General Plan.
7. **Policy OS-3.5 - The County shall regulate activity on slopes to reduce impacts to water quality and biological resources:**
 - 1) **Non-Agricultural.**
 - a) **Development on slopes in excess of twenty five percent (25%) shall be prohibited except as stated below; however, such development may be allowed pursuant to a discretionary permit if one or both of the following findings are made, based upon substantial evidence:**
 1. **there is no feasible alternative which would allow development to occur on slopes of less than 25%;**
 2. **the proposed development better achieves the resource protection objectives and policies contained in the Monterey County General Plan, accompanying Area Plans, and all applicable master plans.**
 - b) **Development on slopes greater than 25-percent (25%) or that contain geologic hazards and constraints shown on the County's GIS Geologic (*Policy S-1.2*) or Hydrologic (*Policy PS-2.6*) Hazard Databases shall require adequate special erosion control and construction techniques and the discretionary permit shall:**
 1. **evaluate possible building site alternatives that better meet the goals and policies of the general plan;**
 2. **identify development and design techniques for**

erosion control, slope stabilization, visual mitigation, drainage, and construction techniques; and

3. **minimize development in areas where potentially unstable slopes, soil and geologic conditions, or sewage disposal pose substantial risk to public health or safety.**

c) **Where proposed development impacting slopes in excess of twenty five percent (25%) does not exceed ten percent (10%), or 500 square feet of the total development footprint (whichever is less), a discretionary permit shall not be required.**

d) **It is the general policy of the County to require dedication of a scenic easement on a slope exceeding 25%.**

The project requires a Use Permit for development on slopes exceeding 25%. Given the nature of the project (dam removal and river re-route) and the topography of the site (as shown in Item 6.1 in the application package), there is no feasible alternative which allows the project to be implemented entirely on slopes of less than 25%. In addition, removal of the SCD and OCRD addresses existing issues related to the dam including impaired access for steelhead to 25 miles of upstream spawning and rearing habitat, disruption of sediment transport to the lower river and Carmel River beach, and ecological discontinuity of aquatic and riparian habitats. Removing the dam resolves these issues and provides significant benefits to both steelhead and California red-legged frog. As a result, the project achieves the resource protection objectives and policies contained in the Monterey County General Plan, CACH Area Plan, and GMP Area Plan. Project mitigation (Issue GS-4 in the 2008 Final EIR/EIS and SEIR No. 1), which is made a condition of project approval, requires slope stabilization with rock and concrete and implementation of erosion control and water quality best management practices (BMPs) in the project stormwater pollution prevention plan (SWPPP), among other measures. Erosion impacts were determined to be less than significant. In addition, stream restoration and revegetation will stabilize sediment in the reservoir area and avoid long-term significant impacts (Issue WR-2a in the 2008 Final EIR/EIS and SEIR No. 1). Because of the nature of the project (dam removal), alternative sites are not available. However, three options of construction access were analyzed, as described in the Staff Report for the July 25, 2012 Planning Commission workshop. The proposed access (Cachagua Road to the Jeep Trail) was chosen because it requires less overall construction length and removes fewer trees. Therefore, the proposed project is consistent with Policy OS-3.5 of the General Plan.

8. **Goal OS-4 - Protect and conserve the quality of coastal, marine, and river environments, as applied in areas not in the coastal zone.** The project includes removal of the SCD and OCRD, which improves access for steelhead to 25 miles of upstream spawning and rearing habitat, restores natural sediment transport to the lower river and Carmel River beach, and improves ecological continuity of

aquatic and riparian habitats. Removing the dam also provides significant benefits to both steelhead and California red-legged frog (CRLF). Because of these benefits, the project protects and conserves the quality of both river and coastal environments. Therefore, the proposed project is consistent with Goal OS-4 of the General Plan.

9. **Policy OS-4.1 - Federal and State listed native marine and fresh water species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant shall be protected. Species designated in Area Plans shall also be protected.** Protected species are analyzed in the 2008 Final EIR/EIS, April 2012 SEIR, and June 2012 SEIR. Impacts to special-status plant species are less than significant with mitigation. Mitigation is made a condition of project approval. Fisheries impacts are less than significant or less than significant with mitigation in the short-term, and/or beneficial in the long-term. Impacts to CRLF, special-status bird species, and habitat are less than significant with mitigation. Therefore, the proposed project is consistent with Policy OS-4.1 of the General Plan.
10. **Policy OS-4.2 - Direct and indirect discharges of harmful substances into marine waters, rivers or streams shall not exceed state or federal standards.** Water quality impacts are addressed in the 2008 Final EIR/EIS, April 2012 SEIR, and June 2012 SEIR. The project does not directly discharge harmful substances into the Carmel River or San Clemente Creek, but generates sediment discharges during construction. These impacts were determined to be less than significant with mitigation, and will not exceed state or federal standards. Mitigation measures are made a condition of project approval. Accidental releases of toxic substances were also addressed, and determined to be a less than significant impact with required mitigation. Therefore, the proposed project is consistent with Policy OS-4.2 of the General Plan.
11. **Goal OS-5 - Conserve listed species, critical habitat, habitat and species protected in Area Plans; avoid, minimize and mitigate significant impacts to biological resources.** Impacts to biological resources are analyzed in the 2008 Final EIR/EIS, April 2012 SEIR, and June 2012 SEIR. Impacts to special-status plant species are less than significant with mitigation, which is made a condition of project approval. Fisheries impacts are less than significant or less than significant with mitigation. Impacts to steelhead are beneficial in the long-term. Construction related impacts to CRLF, special-status bird species, and habitat are less than significant with mitigation. In the long-term, the project provides significant benefits to CRLF. The CACH Area Plan specifically protects steelhead and native trees, while the GMP Area Plan protects oak, pine, and redwood forest habitat and wetlands. These biological resources are discussed in the CEQA documents listed above. Impacts are avoided, minimized or mitigated to the maximum extent feasible. Therefore, the proposed project is consistent with Goal OS-5 of the General Plan.
12. **Policy OS-5.3 - Development shall be carefully planned to provide for the conservation and maintenance of critical habitat.**

The project area contains critical habitat zones for CRLF, steelhead, California tiger salamander (CTS) and the Monterey spineflower. Some impacts to these critical habitats will occur during construction. However, in the long-term, the proposed project provides the following benefits: unimpaired access for steelhead trout to over 25 miles of spawning and rearing habitat, restoration of sediment to the lower river and Carmel River State Beach, and restored ecological connectivity of aquatic and riparian habitats. Impacts to CTS are not significant. The project provides significant benefits to both steelhead and CRLF. Therefore, the proposed project is consistent with Policy OS-5.3 of the General Plan.

13. **Policy OS-5.4 - Development shall avoid, minimize, and mitigate impacts to listed species and critical habitat to the extent feasible. Measures may include but are not limited to:**
 - a. clustering lots for development to avoid critical habitat areas,
 - b. dedications of permanent conservation easements; or
 - c. other appropriate means.

If development may affect listed species, consultation with United States Fish and Wildlife Service (USFWS) and California Department of Fish and Game (CDFG) may be required and impacts may be mitigated by expanding the resource elsewhere onsite or within close proximity off-site. Final mitigation requirements would be determined as required by law. The proposed project does not constitute development of new structures or facilities, but includes the removal of the SCD, OCRD, construction of access roads, and related improvements. The USFWS and CDFG were consulted through the EIR process, and impacts to biological resources are mitigated to less than significant. In the long-term, the project provides significant benefits to both steelhead and CRLF. An off-site conservation easement for oak trees will be established, sufficient to mitigate at least half the loss of oak trees. The property will be conveyed to the Bureau of Land Management after project completion. Therefore, the proposed project is consistent with Policy OS-5.4 of the General Plan.

14. **Policy OS-5.6 - Native and native compatible species, especially drought resistant species, shall be utilized in fulfilling landscaping requirements.** After removal of the SCD and OCRD, the project area will be revegetated in accordance with a Landscape Restoration Plan that utilizes an all-native plant palette. Therefore, the proposed project is consistent with Policy OS-5.6 of the General Plan.
15. **Policy OS-5.9 - Tree removal that requires a permit shall be established by Area Plans.** The project lies in two planning areas: the GMP Area Plan and the CACH Area Plan, each with a distinct list of protected trees. Oak trees are the only species protected in the GMP Area Plan. The CACH Area Plan list of protected trees includes Santa Lucia Fir, Black Cottonwood, Fremont Cottonwood, Box Elder, Willows, California Laurel, Sycamore, Oak and Madrone. The project mitigates tree removal in accordance with

these Area Plans, as follows:

- 50% of removed oak trees will be mitigated at 3:1 for entire project area;
- 50% of removed oak trees will be mitigated by providing or acquiring a conservation easement; and
- 100% of removed protected non-oak trees will be replaced at 1:1 ratio for the CACH Plan Area. Therefore, the proposed project is consistent with Policy OS-5.9 of the General Plan.

16. **Policy OS-5.11 - Conservation of large, continuous expanses of native trees and vegetation shall be promoted as the most suitable habitat for maintaining abundant and diverse wildlife.** The protected trees in the vicinity of the project construction activities were inventoried and mapped. These maps then were overlaid on the design plans to see if changes could be made to minimize tree removals. As a result, two design changes were made to minimize removal of protected trees, avoiding 47% of the trees that would have been removed by implementation of the initial design. The first design change relocated staging areas to avoid removing groves of large oaks, avoiding the removal of 893 protected trees. The second design change resulted in avoidance of 251 additional trees through modifications to the Jeep Trail and Reservoir Access Road alignment and staging areas. As a result, the total number of protected trees proposed for removal was reduced from 2,463 to 1,318. In addition, the number of trees to be pruned decreased by 65%, from 196 to 68, via design changes to minimize construction impacts. Therefore, the proposed project is consistent with Policy OS-5.11 of the General Plan.
17. **Policy OS-5.16 - A biological study shall be required for any development project requiring a discretionary permit and having the potential to substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, or substantially reduce the number or restrict the range of an endangered, rare, or threatened species. An ordinance establishing minimum standards for a biological study and biological surveys shall be enacted. A biological study shall include a field reconnaissance performed at the appropriate time of year. Based on the results of the biological study, biological surveys may be necessary to identify, describe, and delineate the habitats or species that are potentially impacted. Feasible measures to reduce significant impacts to a less than significant level shall be adopted as conditions of approval.** The proposed project requires discretionary permits for removal of the SCD, removal of the OCRD, development on slopes exceeding 25%, and tree removal. A number of biological studies have been conducted for the project. These include, but are not limited to: a *Botanical Report* conducted by Vern Yadon in July 2005 (with field work on May 25 and 30, June 10, and July 21, 2005); a *Botanical Resources Management Plan* prepared in January 2008; and a *Wetland Delineation* prepared by ENTRIX, Inc. in 2008.

Surveys were conducted for special-status plant species in 1997 and 2005, and were scheduled to coincide with the periods during which all potential special-status species would be identifiable. Surveys for special-status animal species were conducted for the project, including systematic annual surveys for CRLF between 2002 and 2006. Other surveys were reviewed as part of environmental document preparation. Mitigation measures identified in the 2008 Final EIR/EIS, April 2012 SEIR, and June 2012 SEIR have been incorporated into an MMRP and will be required as conditions of approval for the project. Therefore, the proposed project is consistent with Policy OS-5.16 of the General Plan.

18. **Policy OS-5.18 - Prior to disturbing any federal or state jurisdictional areas, all applicable federal and state permitting requirements shall be met, including all mitigation measures for development of jurisdictional areas and associated riparian habitats.** The project will be required to obtain permits from the California Department of Fish and Game (CDFG), the Regional Water Quality Control Board (RWQCB), the U.S. Army Corps of Engineers (USACOE), and the United States Fish and Wildlife Service (USFWS) prior to construction. Mitigation measures identified in the 2008 Final EIR/EIS, April 2012 SEIR, and June 2012 SEIR have been incorporated into an MMRP and will be required as conditions of approval for the project. Therefore, the proposed project is consistent with Policy OS-5.18 of the General Plan.

19. **Policy OS-5.25 - Occupied nests of statutorily protected migratory birds, and raptors shall not be disturbed during the breeding season (generally February 1 to September 15). The county shall consult, or require the developer to consult, with a qualified biologist prior to any site preparation or construction work in order to:**

- determine whether work is proposed during nesting season for migratory birds or raptors,
- determine whether site vegetation is suitable to nesting migratory birds or raptors,
- identify any regulatory requirements for setbacks or other avoidance measures for migratory birds and raptors which could nest on the site, and
- establish project-specific requirements for setbacks, lock-out periods, or other methods of avoidance of disruption of nesting birds.

The county shall require the development to follow the recommendations of the biologist. This measure may be implemented in one of two ways:

- 1) preconstruction surveys may be conducted to identify active nests and, if found, adequate buffers shall be provided to avoid active nest disruption until after the young have fledged; or
- 2) vegetation removal may be conducted during the non-breeding season (generally September 16 to January 31);

however, removal of vegetation along waterways shall require approval of all appropriate local, state, and federal agencies.

This policy shall not apply in the case of an emergency fire event requiring tree removal. This policy shall apply for tree removal that addresses fire safety planning, since removal can be scheduled to reduce impacts to migratory birds and raptors. As a condition of approval, the Monterey County RMA –Planning Department will require standard condition PD050 (Raptor/Migratory Bird Nesting). This condition requires that, for any tree removal activity that occurs during the typical bird nesting season (February 22-August 1), the project applicant retain a County qualified biologist to perform a nest survey in order to determine if any active raptor or migratory bird nests occur within the project site or within 300 feet of proposed tree removal activity. If nesting birds are found on the project site, an appropriate buffer plan shall be established by the project biologist. Therefore, the proposed project is consistent with Policy OS-5.25 of the General Plan.

20. **Policy OS-6.2 - Information on the location and significance of the County's archaeological resources shall be compiled and used in the environmental and development review process. The County shall rely on and participate in the statewide inventory work of the California Native American Heritage Commission and the State Office of Historic Preservation. All Phase I, II, and III studies, and records of Native Californian consultation, shall be filed with appropriate state agencies and local tribes as well as local data source compilations maintained by the County. The County shall work with local tribes to update County GIS maps showing high, moderate, and low archaeological sensitivity areas.** The environmental analysis of the proposed project included a *Section 106 Technical Report* prepared by ENTRIX in 2005 and a *Section 106 Technical Report Addendum* prepared by URS Corporation and JRP Historical Consulting, LLC in March 2012. Both reports included Native American consultation. Therefore, the proposed project is consistent with Policy OS-6.2 of the General Plan.
21. **Policy OS-6.3 - New development proposed within moderate or high sensitivity zones, or within 150 feet of a known recorded archaeological and/or cultural site, shall complete a Phase I survey including use of the regional State Office of Historic Preservation or the California Native American Heritage Commission's list of sacred and traditional sites. Routine and Ongoing Agricultural Activities shall be exempted from this policy in so far as allowed by state or federal law. See OS-6.2.** The proposed project is consistent with Policy OS-6.3 of the General Plan.
22. **Policy OS-10.3 - Monterey County shall promote conservation of naturally vegetated and forested areas for their air purifying functions.** As a result of two design changes, 47% of the trees that

would have been removed by implementation of the initial design will be avoided. These conserved trees will continue to provide air purifying functions. In addition, after removal of the SCD and OCRD, the project area will be revegetated in accordance with a Landscape Restoration Plan that utilizes an all-native plant palette. Therefore, the proposed project is consistent with Policy OS-10.3 of the General Plan.

23. **Policy OS-10.7 - Use of the best available technology for reducing air pollution emissions shall be encouraged.** Mitigation for the proposed project, as outlined in the MMRP, includes measures to reduce air pollution. These include, but are not limited to: construction watering, prohibiting grading during high wind periods, use of chemical soil stabilizers and non-toxic binders, installing NO_x controls for diesel vehicles and equipment, and utilization of state-certified construction equipment in the Portable Equipment Registration Program (PERP). Therefore, the proposed project is consistent with Policy OS-10.7 of the General Plan.
24. **Policy OS-10.9 - The County of Monterey shall require that future development implement applicable Monterey Bay Unified Air Pollution Control District control measures. Applicants for discretionary projects shall work with the Monterey Bay Unified Air Pollution Control District to incorporate feasible measures that assure that health-based standards for diesel particulate emissions are met. The County of Monterey will require that future construction operate and implement MBUAPCD PM₁₀ control measures to ensure that construction-related PM₁₀ emissions do not exceed the MBUAPCD's daily threshold for PM₁₀. The County shall implement MBUAPCD measures to address off-road mobile source and heavy duty equipment emissions as conditions of approval for future development to ensure that construction-related NO_x emissions from non-typical construction equipment do not exceed the MBUAPCD's daily threshold for NO_x.** Mitigation for the proposed project, as outlined in the MMRP, includes measures to reduce air pollution, as outlined under *OS-10.7*, above. The MBUAPCD was consulted during preparation of the 2008 Final EIR/EIS, April 2012 SEIR, and June 2012 SEIR. Therefore, the proposed project is consistent with Policy OS-10.9 of the General Plan.
25. **Goal S-1 - Minimize the potential for loss of life and property resulting from geologic and seismic hazards.** The CDWR issued a safety order for the SCD early in the 1990s, determining that structure could potentially fail in the event of either a major earthquake or flood. The proposed project removes this safety hazard. Therefore, the proposed project is consistent with Goal S-1 of the General Plan.
26. **Policy S-1.9 - A California licensed civil engineer or a California licensed landscape architect can recommend measures to reduce moderate and high erosion hazards in the form of an Erosion Control Plan.** The project application includes an Erosion Control Plan. Therefore, the proposed project is consistent with Policy S-1.9

of the General Plan.

27. **Policy S-2.3** - All new development, including filling, grading, and construction, within designated 100-year floodplain areas shall conform to the guidelines of FEMA and the National Flood Insurance Program and ordinances established by the County Board of Supervisors. With the exception of the construction of structures, Routine and Ongoing Agricultural Activities shall be exempt from this policy. The project area is within a 100-year floodplain area. The project does not include the construction of new structures and does not place new residences within a flood zone. Project changes to the 100-year flood elevations are localized and not present throughout a full reach of any part of the river. This impact was determined to be less than significant in the CEQA documentation for the project. Therefore, the proposed project is consistent with Policy S-2.3 of the General Plan.
28. **Policy S-3.2** - Best Management Practices to protect groundwater and surface water quality shall be incorporated into all development. Potential water quality impacts of the proposed project are mitigated to a less than significant level with implementation of standard erosion control methods, BMPs, and associated water quality monitoring measures developed and included in the Storm Water Pollution Prevention Plan (SWPPP). Specific BMPs may include construction of sediment barriers, straw bales, silt fences, sandbags and waterbars to control sediment from entering any water course. Therefore, the proposed project is consistent with Policy S-3.2 of the General Plan.
29. **Policy S-4.13** - The County shall require all new development to have adequate water available for fire suppression. The water system shall comply with Monterey County Code Chapter 18.56, NFPA Standard 1142, or other nationally recognized standard. The fire authority having jurisdiction, the County Departments of Planning and Building Services, and all other regulatory agencies shall determine the adequacy and location of water supply and/or storage to be provided. A Fire Prevention and Suppression Plan was prepared for the proposed project, and is included in the 2008 Final EIR/EIS as Appendix Z. The Plan identifies measures to be taken by Cal Am and its contractors to ensure that fire prevention and suppression techniques are carried out in accordance with federal, state, and local regulations. This Plan does not identify a water source or system for fire suppression; however, the project does not constitute new structural development. Therefore, the proposed project is consistent with Policy S-4.13 of the General Plan.
30. **Goal S-7** - Maintain a healthy and quiet environment free from annoying and harmful sounds. The project creates significant and unavoidable noise during construction. Mitigation measures, which are made conditions of project approval, include the use of quiet-design equipment, mufflers, enclosures; eliminate unnecessary idling; equipment maintenance and lubrication; timing restrictions for equipment use. In the long-term, the project does not create a

new source of annoying or harmful noise. Therefore, the proposed project is consistent with Goal S-7 of the General Plan.

31. Policy S-7.10 – Construction project shall include the following standard noise protection measures. These measures shall include:

- **Construction shall occur only during times allowed by ordinance/code unless such limits are waived for public convenience;**
- **All equipment shall have properly operating mufflers; and**

Lay-down yards and semi-stationary equipment such as pumps or generators shall be located as far from noise-sensitive land uses as practical. Noise mitigation required by the 2008 Final EIR/EIS and SEIRs includes the use of construction equipment that is of quiet design, has a high-quality muffler system, and is well maintained; installation of engine enclosure panels on stationary gas, diesel, or pump equipment; elimination of unnecessary idling; and timing restrictions on some operations. However, some construction will occur during nighttime hours. Mitigation measures are required as a condition of project approval. Night work is restricted to sediment excavation in the San Clemente Creek arm and placement of materials in the Sediment Disposal Area. No material delivery trucks or heavy construction equipment will be moved in or out of the site at night and no blasting is permitted at night. Noise resulting from nighttime construction work was analyzed in the April 2012 SEIR; analysis shows that there will be no perceptible increase in noise levels at nearby sensitive receptors (including the Stone Cabin and Sleepy Hollow community) due to construction activities being conducted during nighttime hours. Therefore, the proposed project is consistent with Policy S-7.10 of the General Plan.

32. Goal PS-2 - Assure an adequate and safe water supply to meet the County's current and long-term needs. The project does not require a long-term water supply, and removal of the SCD and OCRD does not remove an existing water source from use. During construction, water will be provided via project dewatering wells and pumped water from the Carmel River. The maximum construction water use will occur in August 2014, and is estimated at 20.88 acre-feet. This level of water use is temporary, and is not expected to impact the County's current or long-term water supply needs. Therefore, the proposed project is consistent with Goal PS-2 of the General Plan.

33. Policy PS-3.1. Except as specifically set forth below, new development for which a discretionary permit is required, and that will use or require the use of water, shall be prohibited without proof, based on specific findings and supported by evidence, that there is a long-term, sustainable water supply, both in quality and quantity to serve the development. This requirement shall not apply to:

- b. **Specified development (a list to be developed by**

ordinance) designed to provide: a) public infrastructure or b) private infrastructure that provides critical or necessary services to the public, and that will have a minor or insubstantial net use of water (e.g. water facilities, wastewater treatment facilities, road construction projects, recycling or solid waste transfer facilities).

The project involves removal of the San Clemente Dam, Old Carmel River Dam, and related improvements; rerouting of the Carmel River into San Clemente Creek; and restoration. Therefore, the project qualifies for an exemption as a public infrastructure project. The project removes an identified public safety hazard, which is a critical and necessary public service. In addition, as discussed above, increased water use for the project is temporary (during construction), and is not expected to impact the County's long-term water supply needs. Therefore, the proof of long-term sustainable water supply requirement does not apply to the proposed project and the project is consistent with General Plan Policy PS-3.1.

- 34. Policy PS-5.3 - Programs to facilitate recycling/diversion of waste materials at new construction sites, demolition projects, and remodeling projects shall be implemented.** The project includes demolition of the SCD, OCRD, and related facilities. Any reinforcing steel will be separated from the concrete and transported off-site for disposal; the clean concrete will be reused on-site to stabilize sediment slopes. Rock spoils from channel construction will be used for construction of a diversion dike. Any remaining rock spoils will be used to help stabilize sediment slopes. Reuse of these materials will minimize the amount of material hauled off-site for disposal, thus reducing solid waste. Therefore, the proposed project is consistent with Policy PS-5.3 of the General Plan.
- 35. Policy PS-5.4 - The maximum use of solid waste source reduction, reuse, recycling, composting, and environmentally-safe transformation of wastes, consistent with the protection of the public's health and safety, shall be promoted.** See PS-5.3. The proposed project is consistent with Policy PS-5.4 of the General Plan.
- 36. Policy PS-12.15 - The special character of designated historic districts and neighborhoods shall be retained.** An historic resources inventory conducted as part of the project environmental review identified nine individual historic period resources in the project area. Six of the resources are contributors to a SCD Historic District (SCDHD), including the SCD, and Fish Ladder; OCRD and Fish Ladder; Chemical Building; Dam Keeper's Cottage; Dam Keeper's House; and Filtration Plant Chemical Building. The project includes removal of these contributing structures, which will alter the character and setting of significant historic resources. This was determined to be a significant and unavoidable impact to a designated historic district in the 2008 Final EIR/EIS, July 2012 Final SEIR No. 1, and August 2012 Final SEIR No. 2. Although it is a significant unavoidable impact under CEQA, the project is not

inconsistent with this General Plan policy. Monterey County Code Section 18.25.030 defines “historic district” as an area, which may include public rights-of-way, within the County having special historic and architectural worth and designated as such by the Board of Supervisors pursuant to the provisions of that Chapter. The Board of Supervisors has not designated the SCDHD as an historic district. As such, the term “designated historic districts” does not apply to the project area. In addition, the project site does not constitute a “neighborhood.” Therefore, the proposed project is consistent with General Plan Policy PS-12.15.

- 37. Policy CACH-1.6 - To assure that the value of the night sky is not compromised, exterior lighting should not exceed the minimum required to assure safety.** The project does not install new, permanent lighting. Temporary lighting will be used during nighttime construction. Mitigation requires that lighting be directed downward to the work area and shielded to reduce light spillover. Therefore, the proposed project is consistent with Policy CACH-1.6 of the Cachagua Area Plan.
- 38. Policy CACH-2.4 - The County shall require that any major timber, mining, or public works projects incorporate features, such as flag persons, signs, or warning lights, into the project to ensure the safety of persons using public roads.** Mitigation for Issue TC-1 in the 2008 Final EIR/EIS and SEIR No. 1, which is required as a condition of project approval, requires preparation of a traffic safety plan that addresses the appropriate vehicle size and speed; travel routes; flag person requirements; coordination with law enforcement and fire control agencies; emergency access to ensure child, pet and livestock safety; and the need for traffic and speed limit signs including advance warning and/or construction work zone signing on Carmel Valley Road. Mitigation also requires preparation of a traffic coordination and communication plan that defines the specific schedules for truck delivery and worker shifts to avoid periods of peak commute traffic including school bus traffic on area roadways. Therefore, the proposed project is consistent with Policy CACH-2.4 of the Cachagua Area Plan.
- 39. Policy CACH-2.5 - Any major timber, mining, or public works projects that use heavy vehicles on public roads shall be required to maintain and restore such roads to the pre-project level.** The project includes road improvements on the construction access route along Cachagua Road and the Jeep Trail. These improvements include widening five curves along Cachagua Road that do not currently provide an adequate turn radius for large construction vehicles and strengthening of one bridge to accommodate construction equipment loads. In addition, as a condition of approval, the Monterey County Public Works Department will require that the applicant to enter into a Road Maintenance Agreement and repair any damage to project access roads that occur during project construction. Therefore, the proposed project is consistent with Policy CACH-2.5 of the Cachagua Area Plan.

40. Policy CACH-3.3 - Alteration of hillsides and natural landforms caused by cutting, filling, grading, or vegetation removal shall be minimized through sensitive siting and design of all improvements and maximum feasible restoration. Where cut and fill is unavoidable on steep slopes, disturbed areas shall be re-vegetated. Approximately 830,000 cubic yards of accumulated sediment behind the Dam on the San Clemente Creek arm of the reservoir and a portion of the Carmel River will be relocated to the Carmel River arm sediment disposal area, where the bulk of accumulated sediment already has been deposited. A portion of the Carmel River will be permanently bypassed by cutting an approximately 450-foot-long channel between the Carmel River and San Clemente Creek, approximately 2,500 feet upstream of the Dam. The bypassed portion of the Carmel River will be used as a sediment disposal site for the accumulated sediment. Although natural landforms will be substantially altered, the project has been designed to avoid tree removal to the extent feasible (refer to Policy OS-5.11), and is intended to restore the Carmel River to a more natural condition. Given the nature of the project (dam removal and river re-route) and the topography of the site (as shown in Item 6.1 in the application package), there is no alternative which eliminates cut and fill on steep slopes. In addition, after removal of the SCD and OCRD, the project area will be revegetated in accordance with a Landscape Restoration Plan that utilizes an all-native plant palette. Therefore, the proposed project is consistent with Policy CACH-3.3 of the Cachagua Area Plan.

41. Policy CACH-3.4 - Removal of healthy, native oak, madrone, and redwood trees in the Cachagua Planning Area shall be discouraged. An ordinance shall be developed to identify required procedures for removal of these trees. Said ordinance shall take into account fuel modification needed for fire prevention in the vicinity of structures and shall include:

- a. permit requirements
- b. replacement criteria
- c. exceptions for emergencies and governmental agencies

The project application includes a Use Permit for removal of 1,318 trees. Pursuant to approval of this discretionary permit, the project is consistent with this policy. Mitigation for tree removals in the CACH Area Plan includes 100% replacement for protected non-oak trees at a 1:1 ratio, in addition to the following:

- 50% of removed oak trees will be mitigated at 3:1 for entire project area; and
- 50% of removed oak trees will be mitigated by providing or acquiring a conservation easement.
- 100% of removed protected non-oak trees will be replaced at 1:1 ratio for the CACH Plan Area.

Therefore, the proposed project is consistent with Policy CACH-3.4 of the Cachagua Area Plan.

42. Policy CACH-3.7 - New development shall be sited to protect riparian vegetation and threatened fish species, minimize

erosion, and preserve the visual aspects of the Carmel and Arroyo Seco Rivers. Private property owners are encouraged to preserve the Carmel River in its natural state, to prevent erosion and protect fishery habitat. Fishery habitats located above the Los Padres and San Clemente Dams shall be maintained in a productive state accessible to fish populations, especially steelhead. The project results in short-term, significant and unavoidable visual impacts (Issue VR-2, 5a, and 6 in the 2008 Final EIR/EIS and SEIR No. 1). However, the project includes removal of the SCD, OCRD, and related improvements, and will return the project site to a more natural character in the long-term. Project mitigation (Issue GS-4 in the 2008 Final EIR/EIS and SEIR No. 1) requires slope stabilization with rock and concrete and implementation of erosion control and water quality best management practices (BMPs) in the project stormwater pollution prevention plan (SWPPP), among other measures. In addition, stream restoration and revegetation will stabilize sediment in the reservoir area and avoid long-term significant impacts (Issue WR-2a in the 2008 Final EIR/EIS and SEIR No. 1). Removal of the SCD and OCRD addresses existing issues related to the dam including impaired access for steelhead to 25 miles of upstream spawning and rearing habitat, disruption of sediment transport to the lower river and Carmel River beach, and ecological discontinuity of aquatic and riparian habitats. Removing the dam resolves these issues and provide significant benefits to both steelhead and California red-legged frog. Therefore, the proposed project is consistent with Policy CACH-3.7 of the Cachagua Area Plan.

43. **Policy GMP-3.5 - Removal of healthy, native oak, Monterey pine, and redwood trees in the Greater Monterey Peninsula Planning Area shall be discouraged. An ordinance shall be developed to identify required procedures for removal of these trees. Said ordinance shall take into account fuel modification needed for fire prevention in the vicinity of structures and shall include:**

- a. **Permit requirements**
- b. **Replacement criteria**
- c. **Exceptions for emergencies and governmental agencies**

The project application includes a Use Permit for removal of 1,318 trees. This includes 929 Coast live oaks (383 in the GMP Area) and 9 Valley oaks (6 in the GMP Area). No Monterey pines or redwoods 6" in diameter or greater will be removed. As described under Policy OS-5.11, two design changes were made to avoid 47% of the trees that would have been removed by implementation of the initial design. Therefore, the project has been designed to avoid tree removal to the extent feasible. In addition, the project mitigates oak tree removal as follows:

- 50% of removed oak trees will be mitigated at 3:1; and
- 50% of removed oak trees will be mitigated by providing or acquiring a conservation easement.

Protected non-oak trees in the CACH Plan Area will also be replaced

at 1:1 ratio. Therefore, the proposed project is consistent with Policy GMP-3.5 of the Greater Monterey Peninsula Area Plan.

- 44. Policy GMP-4.1 - Redwood, pine, oak forest, and chaparral habitat on land exceeding 25 percent slope, should remain undisturbed due to potential erosion impacts and loss of visual amenities.** The project will not remove any redwood or pine trees, but will remove 929 Coast live oaks (383 in the GMP Area) and 9 Valley oaks (6 in the GMP Area). Several chaparral habitats will also be impacted by the project. Given the nature of the project (dam removal and river re-route) and the topography of the site (as shown in Item 6.1 in the application package), there is no alternative which allows the project to be implemented entirely on slopes of less than 25%. In addition, the project is required to comply with a SWPPP, which includes erosion control BMPs. Further, while the project results in short-term, significant and unavoidable visual impacts (Issue VR-2, 5a, and 6 in the 2008 Final EIR/EIS and SEIR No. 1), it will return the project site to a more natural character in the long-term. Therefore, the proposed project is consistent with Policy GMP-4.1 of the Greater Monterey Peninsula Area Plan.
- d) The project planner conducted a site inspection on February 15, 2012 and May 23, 2012 to verify that the project on the subject parcel conforms to the plans listed above.
 - e) Pursuant to Title 16 Section 16.60.040.C, a Use Permit is required for the removal of more than three protected trees on a lot in a one-year period. The project will remove 1,318 protected trees. Therefore, a Use Permit is required. See Finding #7 for more detail.
 - f) 2010 General Plan Policy OS-3.5 prohibits development on slopes in excess of twenty-five percent (25%) unless no feasible alternative exists or the development better achieves the resource protection objectives and policies contained in the General Plan and accompanying Area Plans. The proposed project involves the removal of two dams and road improvements, requiring development on slopes in excess of 25%. There is no alternative that allows the project to be implemented entirely on slopes of less than 25% (refer to Finding #6). In addition, the project achieves the resource protection objectives and policies contained in the Monterey County General Plan, CACH Area Plan, and GMP Area Plan (refer to Finding #2).
 - g) The project was referred to the Carmel Valley Land Use Advisory Committee (LUAC) for review. Based on the LUAC Procedure guidelines adopted by the Monterey County Board of Supervisors per Resolution No. 08-338, this application warranted referral to the LUAC because the project is subject to CEQA review. The LUAC discussed downstream flooding, sedimentation transport, use of San Clemente Drive for construction access, the timing of the Cachagua Road closures, the location of park and ride lots for construction workers, and local hire practices before supporting the project as proposed on a 4-1-2-0 vote.
 - h) The application, project plans, and related support materials submitted by the project applicant to the Monterey County RMA - Planning Department for the proposed development found in Project File

3. **FINDING:** **SITE SUITABILITY** – The site is physically suitable for the use proposed.
- EVIDENCE:**
- a) The CDWR issued a safety order for the SCD early in the 1990s, determining that structure could potentially fail in the event of either a major earthquake or flood. The proposed project removes this safety hazard.
 - b) The project involves removal of the SCD, OCRD, and related improvements; rerouting of the Carmel River into San Clemente Creek; and restoration. The project does not constitute the development of a new land use.
 - c) The project has been reviewed by the following departments and agencies: RMA – Planning Department, RMA – Public Works Department, Environmental Health Bureau, Water Resources Agency, Cachagua Fire Protection District, RMA – Building Department, California Department of Fish and Game, National Marine Fisheries Service, and United States Fish and Wildlife Service. There has been no indication from these departments/agencies that the site is not suitable for the proposed dam removal. Conditions recommended have been incorporated.
 - d) In addition to the 2008 Final EIR/EIS, SEIR No. 1, and SEIR No. 2 and supporting documents, the following reports have been prepared for the project:
 - “Arborist Report/Forest Management Plan” (LIB#120294) prepared by URS Corporation and HortScience, Inc., Oakland, California, January 2012.
 - “Flood Study: Hydraulic Analysis Summary Report” (LIB#120295), April 2012.
 - “Section 106 Technical Report Addendum” (LIB#120293) prepared by URS Corporation and JRP Historical Consulting, LLC, Oakland, California, March 2012.As discussed in the environmental documents and technical reports, impacts identified in the environmental review have been mitigated to the extent feasible.
 - e) Staff conducted site inspections on February 15, 2012 and May 23, 2012 to verify that the site is suitable for the proposed action.
 - f) The application, project plans, and related support materials submitted by the project applicant to the Monterey County RMA - Planning Department for the proposed project found in Project File PLN110373.
4. **FINDING:** **HEALTH AND SAFETY** - The establishment, maintenance, or operation of the project applied for will not under the circumstances of this particular case be detrimental to the health, safety, peace, morals, comfort, and general welfare of persons residing or working in the neighborhood of such proposed use, or be detrimental or injurious to property and improvements in the neighborhood or to the general welfare of the County.
- EVIDENCE:**
- a) CDWR issued a safety order for the San Clemente Dam structure in the early 1990s, indicating that the dam could potentially fail in the event of

either a major earthquake or flood. Failing to address this problem through dam strengthening, dam notching, or dam removal would expose thousands of downstream residents to potentially significant public safety hazards.

- b) The project was reviewed by the RMA – Planning Department, RMA – Public Works Department, Environmental Health Bureau, Water Resources Agency, Cachagua Fire Protection District, RMA – Building Department, California Department of Fish and Game, National Marine Fisheries Service, and United States Fish and Wildlife Service. The respective agencies have recommended conditions, where appropriate, to ensure that the project will not have an adverse effect on the health, safety, and welfare of persons either residing or working in the neighborhood.
- c) Necessary public facilities are available. During construction, water will be provided via project dewatering wells and pumped water from the Carmel River. The project does not require a long-term water supply. Sewer services will be provided by portable toilets, and effluent will be disposed of using waste hauler trucks. The project does not require long-term sewer services.
- d) Staff conducted site inspections on February 15, 2012 and May 23, 2012 to verify that road improvements along Cachagua Road and the Jeep Trail and removal of the SCD and OCRD at the project site will not be detrimental to health and safety of nearby residences.
- e) The application, project plans, and related support materials submitted by the project applicant to the Monterey County RMA - Planning Department for the proposed development found in Project File PLN110373.

5. **FINDING:** **NO VIOLATIONS** - The subject property is in compliance with all rules and regulations pertaining to zoning uses, subdivision, and any other applicable provisions of the County's zoning ordinance. No violations exist on the property.

- EVIDENCE:**
- a) Staff reviewed Monterey County RMA – Planning Department and Building Services Department records and is not aware of any violations existing on subject property.
 - b) Staff conducted a site inspection on February 15, 2012 and May 23, 2012 and researched County records to assess if any violation exists on the subject property.
 - c) There are no known violations on the subject parcel.
 - d) The application, plans and supporting materials submitted by the project applicant to the Monterey County Planning Department for the proposed development are found in Project File PLN110373.

6. **FINDING:** **DEVELOPMENT ON SLOPE** – There is no feasible alternative that allows development to occur on slopes of less than 25%. In addition, the proposed development better achieves the goals, policies and objectives of the Monterey County General Plan, Cachagua Area Plan, Greater Monterey Peninsula Area Plan, and the Monterey County Zoning Ordinance (Title 21) than other development alternatives.

- EVIDENCE:**
- a) In accordance with the applicable policies of the Cachagua Area Plan,

Greater Monterey Peninsula Area Plan, and the Monterey County Zoning Ordinance (Title 21), a Use Permit is required and the standards to grant said permits have been met.

- b) The project includes application for development on slopes exceeding 25%.
- c) Given the nature of the project (dam removal and river re-route) and the steep topography of the site, there is no alternative which allows the project to be implemented entirely on slopes of less than 25%. In addition, removal of the San Clemente Dam and Old Carmel River Dam addresses existing issues related to the dam including impaired access for steelhead to 25 miles of upstream spawning and rearing habitat, disruption of sediment transport to the lower river and Carmel River beach, and ecological discontinuity of aquatic and riparian habitats. Removing the dams resolves these issues and provides significant benefits to both steelhead and California red-legged frog. As a result, the project achieves the resource protection objectives and policies contained in the Monterey County General Plan, Cachagua Area Plan, and Greater Monterey Peninsula Area Plan (see Finding #2).
- d) The application, plans and supporting materials submitted by the project applicant to the Monterey County Planning Department for the proposed development are found in Project File PLN11073.
- e) The project planner conducted site inspections on February 15, 2012 and May 23, 2012.

7. **FINDING:** **TREE REMOVAL** – The tree removal is the minimum required under the circumstances and the removal will not involve a risk of adverse environmental impacts.

- EVIDENCE:**
- a) The project includes an application for the removal of 1,318 trees. In accordance with the applicable policies of the Cachagua Area Plan, Greater Monterey Peninsula Area Plan, and the Monterey County Zoning Ordinance (Title 21), a Use Permit is required and the authority to grant said permit has been met.
 - b) The project site lies in two planning areas: the Greater Monterey Peninsula Area Plan and the Cachagua Area Plan, each with a distinct list of protected trees. The Greater Monterey Peninsula Area Plan protects oak trees. The Cachagua Area Plan list of protected trees includes Santa Lucia Fir, Black Cottonwood, Fremont Cottonwood, Box Elder, Willows, California Laurel, Sycamore, Oak and Madrone. The project will remove 1,318 protected trees, including 929 Coast Live Oak, 9 Valley Oak, 22 Black Cottonwood, 6 Fremont Cottonwood, 229 Willow, 65 California Bay Laurel, 27 California Sycamore, and 31 Madrone.
 - c) Title 21 Section 21.64.260.C.3 states that no native tree six inches or more in diameter two feet above ground level shall be removed in the Cachagua Area Plan area without approval of the permit(s) required in Subsection 21.64.240.D. Native trees include Santa Lucia Fir, Black Cottonwood, Fremont Cottonwood, Box Elder, Willows, California Laurel, Sycamore, Oak and Madrone. Subsection D states that a Use Permit is required for the removal of more than three protected trees. The project proposes to remove 1,318 native trees. Therefore, a Use

Permit is required.

- d) Title 21 Section 21.64.260.C.4 states that no oak tree six inches or more in diameter two feet above ground level may be removed in any area of the County of Monterey designated in the applicable area plan as Resource Conservation, Residential, Commercial or Industrial without approval of the permit(s) required in Subsection 21.64.240.D. Subsection D states that a Use Permit is required for the removal of more than three protected trees. The project will remove 929 Coast Live Oak and 9 Valley Oak. Therefore, a Use Permit is required.
- e) A combined Arborist Report and Forest Management Plan was prepared by URS Corporation and HortScience, Inc. in January 2012 (LIB#120294).
- f) Measures for tree protection during construction have been incorporated as conditions of approval and include tree protection zones, trunk protection, hand excavation and bridging roots.
- g) The project has been designed and sited to minimize the removal of protected trees to the greatest extent feasible. The protected trees in the vicinity of the project construction activities were inventoried and mapped. These maps then were overlaid on the design plans to see if changes could be made to minimize tree removals. As a result, two design changes were made to minimize removal of protected trees, avoiding 47% of the trees that would have been removed by implementation of the initial design. The first design change relocated staging areas to avoid removing groves of large oaks, avoiding the removal of 893 protected trees. The second design change resulted in avoidance of 251 additional trees through modifications to the Jeep Trail and Reservoir Access Road alignment and staging areas. As a result, the total number of protected trees proposed for removal was reduced from 2,463 to 1,318. In addition, the number of trees to be pruned decreased by 65%, from 196 to 68, via design changes to minimize construction impacts.
- h) The removal will not involve a risk of adverse environmental impacts. Impacts related to water quality, biological and ecological systems, noise, and wildlife habitat were addressed in the 2008 Final EIR/EIS, SEIR No. 1, and SEIR No. 2. Mitigation measures have been incorporated to reduce impacts where feasible. The project mitigates tree removal as follows:
- 50% of removed oak trees will be mitigated at 3:1 for entire project area;
 - 50% of removed oak trees will be mitigated by providing or acquiring a conservation easement; and
 - 100% of removed protected non-oak trees will be replaced at 1:1 ratio for the CACH Plan Area.
- In accordance with the project restoration plan, a total of 1,527 oak trees and 11,031 non-oak trees will be re-planted. Trees will be planted in an ecologically sound manner blending with the surrounding oak woodlands and riparian habitats.
- i) Staff conducted a site inspection on February 15, 2012 and May 23, 2012 to verify that the tree removal is the minimum necessary for the project and to identify any potential adverse environmental impacts

related to the proposed tree removal.

- j) The application, plans and supporting materials submitted by the project applicant to the Monterey County Planning Department for the proposed development are found in Project File PLN110373.

8. **FINDING:** **OAK WOODLANDS** – The project, as conditioned and mitigated, will not have significant environmental impacts to oak woodlands.

- EVIDENCE:**
- a) The application includes a Use Permit for the removal of 1,318 protected trees. Of these, 499 have a diameter of 12 to 18 inches, 270 have a diameter of 18 to 24 inches, and 125 have a diameter of over 24 inches (heritage trees). Of the trees proposed for removal, 983 are oak trees. Most tree removals will occur as a result of Jeep Trail and Reservoir Access Road construction.
 - b) Pursuant to Public Resources Code section 21083.4, the County must determine whether a project within its jurisdiction may result in a conversion of oak woodlands that will have a significant effect on the environment. If the County determines that the project may have a significant effect on oak woodlands, the County must require feasible mitigation measures to mitigate the significant effect of the conversion of oak woodlands. This project site contains oak woodlands. Fish and Game Code Section 1361 states: "Oak Woodlands means an oak stand with a greater than 10 percent canopy cover or that may have historically supported greater than 10 percent canopy cover." The project may have a potential impact resulting from the conversion of oak woodlands, but the impacts are mitigated by requiring the applicant to implement the mitigation measures identified in the 2008 Final EIR/EIS and Draft SEIR No. 1. Mitigation measure VE-2 requires replacement of up to half the oak trees at a 3:1 ratio, provision or acquisition of a conservation easement sufficient to mitigate at least half of the loss of oak trees, and five year monitoring in accordance with a Botanical Resources Management Plan (Appendix U in **Exhibit J**, SEIR No. 1) and Forest Management Plan (Attachment C in **Exhibit G**, Project Application).
 - c) The applicant is required to enter into an agreement to implement the MMRP pursuant to Condition #5.
 - d) Combined Arborist Report and Forest Management Plan prepared by URS Corporation and HortScience, Inc., January 2012 (Attachment C in **Exhibit G**, Project Application).
 - e) Botanical Resources Management Plan (Appendix U in **Exhibit J**, SEIR No. 1).
 - f) Staff conducted site inspections on February 15, 2012 and May 23, 2012 to verify that impacts to oak woodlands will be minimized through project design and adequately mitigated in accordance with County and State requirements.
 - g) The 2008 Final EIR/EIS and Draft SEIR No. 1 analyzed impacts to oak woodlands in Section 4.5, Vegetation and Wildlife. As described in Issue VE-2 (Loss of Protected Oak Woodland), the project results in the loss of approximately 18 acres of oak woodlands. Mitigation VE-2 requires replacement of up to half the oak trees at a 3:1 ratio. All plant materials will be derived from Carmel Valley area populations and be

monitored for five years after planting. Mitigation also requires that a conservation easement be provided or acquired sufficient to mitigate at least half of the loss of oak trees. These measures have been incorporated as project conditions of approval and reduce impacts to a less than significant level.

- h) Administrative record, including materials in RMA-Planning Department file PLN110373.

9. **FINDING:** **CEQA (SUPPLEMENTAL EIRs)** – The County, as a responsible agency under CEQA, has considered the 2008 Final EIR/EIS, July 2012 Final SEIR No. 1, and August 2012 Final SEIR No. 2 prepared by the lead agencies.

- EVIDENCE:**
- a) In 2006, CDWR the released a Draft Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the San Clemente Dam Seismic Safety Project that evaluated five alternatives to meet the project purposes and objectives. These included:
- Alternative 1: Dam Notching
 - Alternative 2. Dam Removal
 - Alternative 3. Carmel River Reroute and Dam Removal (the current project)
 - Alternative 4. No Project
 - Proponent’s Proposed Project: Dam Strengthening
- b) In January 2008, CDWR certified the 2008 Final EIR/EIS, and in February 2008, CDWR selected Alternative 3.
- c) Since selection of Alternative 3, CAW identified several necessary changes to Alternative 3. CDWR, as a lead agency, evaluated the proposed changes, and determined that a supplement to the Final EIR (SEIR) needed to be prepared. The Draft SEIR No. 1, prepared by CDWR, describes the revised project features and analyzes potential impacts associated with changes to the project and to proposed mitigation. The Draft SEIR No. 1 was released on April 24, 2012 for a 45-day public review period. The Final SEIR No. 1 was certified in July 2012.
- d) DWR did not address removal of the Old Carmel River Dam in the April 2012 SEIR or SEIR No. 1. Removal of this dam and related facilities is now proposed. Therefore, a Second Draft SEIR (SEIR No. 2) was prepared by the California Coastal Conservancy to specifically address impacts related to removal of Old Carmel River Dam. The Draft SEIR No. 2 was released on June 14, 2012 for a 45-day review period. The Final SEIR No. 2 was certified in August 2012.

10. **FINDING:** **POTENTIALLY SIGNIFICANT ENVIRONMENTAL IMPACTS IDENTIFIED IN THE EIR THAT ARE REDUCED TO A LEVEL OF “LESS THAN SIGNIFICANT” BY THE MITIGATION MEASURES IDENTIFIED IN THE EIR AND ADOPTED FOR THE PROJECT** – Per Public Resources Code section 21081(a)(1), with respect to significant effects on the environment identified in the Final EIR/EIS, SEIR No. 1, and SEIR No. 2 (collectively referred to as “environmental documents”), changes or alterations have been required in, or incorporated into, the project which mitigate or avoid significant

- effects on the environment, as described below.
- EVIDENCE:**
- a) The environmental documents identified potentially significant impacts to Geology and Soils, Water Quality, Vegetation and Wildlife, Wetlands, Air Quality, Greenhouse Gas Emissions, Noise, Traffic and Circulation, Cultural Resources, Visual Resources (Aesthetics), and Recreation which could result from all components of project. Impacts to Geology and Soil, Water Quality, Fisheries, Vegetation and Wildlife, Wetlands, and Traffic and Circulation are mitigated to a less than significant level due to incorporation of mitigation measures from the environmental documents into the conditions of project approval.
 - b) Geology and Soils. Issue GS-4 (Soil Erosion) in the 2008 Final EIR/EIS and SEIR No. 1 has been mitigated through measure GS-4 requiring stabilization of sediment slopes with rock and clean concrete, use of in-situ treatments, construction of channels to route storm flows, and the implementation of standard erosion control methods and BMPs on both the upslope and downslope sides of all construction zones. BMPs are customized to address site-specific conditions encountered on the steep slopes that adjoin the river. Erosion control measures included in the SWPPP (Appendix K in the 2008 Final EIR/EIS) will be implemented. Mitigation monitoring for GS-4 will be reported to the Monterey County RMA – Planning Department. See Section 4.1 of the 2008 Final EIR/EIS and Section 4.1 of the SEIR No. 1.
 - c) Water Quality. Issue WQ-2 (Instream, Streambank, and/or Stream Margin Construction Activities) in the 2008 Final EIR/EIS and SEIR No. 2 has been mitigated through measure WQ-2 requiring implementation of erosion control measures identified in the SWPPP (Appendix K in the 2008 Final EIR/EIS), and revegetation of stream margins with native species as identified in the Botanical Resources Management Plan (Appendix U in the Final SEIR No. 1). The SWPPP may be modified during consultation with the CCRWQCB and other permitting agencies to include additional provisions to prevent impacts due to erosion and sediment input to protect streams from construction/deconstruction activities. Issue WQ-12a in the SEIR No. 2 (Removal of OCRD) has been mitigated through revegetation of stream margins when construction is complete. Mitigation monitoring for WQ-2 and WQ-12a will be reported to the Monterey County RMA – Planning Department. See Section 4.3 of the 2008 Final EIR/EIS, Section 4.3 of the SEIR No.1, and Section 4.2.2 in the SEIR No. 2.
 - d) Fisheries. Issue FI-1 (Access Route Improvements) in the 2008 Final EIR/EIS and SEIR No. 1 is substantially lessened by adoption of mitigation measure FI-1 requiring implementation of BMPs for riparian vegetation identified in the Botanical Resources Management Plan (Appendix U in the SEIR No. 1), implementing measures in the SWPPP (Appendix K in the 2008 Final EIR/EIS), and revegetation of stream margins with native species. Issue FI-13 (Stream Sediment Removal, Storage, and Associated Restoration) in the 2008 Final EIR/EIS and SEIR No. 1 has been reduced by adoption of mitigation measure FI-13 which requires construction of a new channel for the Carmel River through the diversion bypass channel between the Carmel River and San Clemente Creek, and down the San Clemente Creek arm. Channel

restoration activities will include excavation and placement of gravel, cobble, and boulder materials salvaged during sediment removal. Habitat in the restored channels will be revegetated with native trees and shrubs. The SCD will be removed, restoring unimpaired fish access past the SCD site to the upper watershed and substantially restoring sediment transport to the lower river. Mitigation monitoring for FI-1 and FI-13 will be reported to the Monterey County RMA – Planning Department. See Section 4.4 of the 2008 Final EIR/EIS and Section 4.4 of the SEIR No.1.

- e) Vegetation and Wildlife. Issue VE-1 (Special-Status Plant Species) in the 2008 Final EIR/EIS and SEIR No. 1 is substantially lessened by adoption of mitigation measure VE-1 requiring that, to the extent possible, populations of CNPS List 4 species be avoided during construction activities. Issue VE-2 (Loss of Protected Oak Woodland) in the 2008 Final EIR/EIS and SEIR No. 1 is substantially lessened by adoption of mitigation measure VE-2 requiring that impacts to oak trees be avoided by confining access improvement activity in the vicinity of the oak woodlands. This measure also requires replacement of up to half the oak trees at a 3:1 ratio, provision or acquisition of a conservation easement sufficient to mitigate at least half of the loss of oak trees, and five year monitoring in accordance with a Botanical Resources Management Plan (Appendix U in **Exhibit J**, SEIR No. 1) and Forest Management Plan (Attachment C in **Exhibit G**, Project Application). Issue VE-3 (Loss of Other Native Vegetation) in the 2008 Final EIR/EIS and SEIR No. 1 (Issue VE-3a in the SEIR No. 2) is substantially lessened by adoption of mitigation measure VE-3 (VE-3a in the SEIR No. 2) requiring that footprints minimize loss of native vegetation, fencing to prevent encroachment into undisturbed native habitat or within the dripline of native trees, diffuse outflows to minimize erosion, supplemental irrigation, and implementation of measures identified in the Botanical Resources Management Plan. Issue WI-3 (Cofferdam Construction and Plunge Pool Dewatering) was considered significant and unavoidable in the 2008 Final EIR/EIS, but reduced to less than significant with mitigation in the SEIR No. 1. This impact was not discussed in the SEIR No. 2. The impact has been reduced by adoption of mitigation measure WI-3 which requires pre-construction surveys, the capture and relocation of CRLF, western pond turtles, two-striped garter snakes, and other special status species, and a bullfrog eradication program. Issue WI-8 (Vegetation Removal and Construction-Related Disturbance) in the 2008 Final EIR/EIS and SEIR No. 1 is substantially lessened by adoption of mitigation measure WI-8 requiring that vegetation removal be accomplished outside of the nesting season. If removal does occur during the nesting season, protocol-level pre-construction surveys for breeding birds will be conducted by a qualified wildlife biologist and recommendations will be implemented. Issue WI-9 (Pre-Existing Access Road Improvements) in the 2008 Final EIR/EIS and SEIR No. 1 is substantially lessened by adoption of mitigation measure WI-9 requiring that tree and vegetation removal be restricted to the minimum amount necessary to allow access by construction vehicles. Mitigation also includes mapping and flagging

of active wood rat nests, planning routes to avoid dusky footed wood rat nests, erosion controls and barriers, and conducting of CTS surveys. Issue WI-15 (Nighttime Work and Associated Lighting) in the SEIR No. 1 is substantially lessened by adoption of mitigation measure WI-15 requiring that lighting be directed downward and shielded to reduce light spillover onto adjacent wildlife habitats. Nighttime work will be conducted outside of the nesting season, if possible, or a protocol-level pre-construction survey will be conducted and associated recommendations implemented. Mitigation monitoring for VE-1, VE-2, VE-3 (VE-3a in the SEIR No. 2), WI-3, WI-8, WI-9 and WI-15 will be reported to the Monterey County RMA – Planning Department. See Section 4.5 of the 2008 Final EIR/EIS, Section 4.5 of the SEIR No.1, and Section 4.2.4 in the SEIR No. 2.

- f) Wetlands. Issue WET-1 (Permanent Loss of Wetlands and Other Waters of the U. S.) in the 2008 Final EIR/EIS and SEIR No. 1 is substantially lessened by adoption of mitigation measure WET-1 requiring implementation of measures in the Botanical Resources Management Plan (Appendix U in Exhibit J, SEIR No. 1), including provisions for restoration, mitigation, and monitoring for wetlands affected by the project. In addition, 2.95 acres of wetlands in San Clemente Creek and Carmel River arms will be restored to achieve at least a 1:1 ratio. Permanent loss of about 26 acres of Other Waters will be mitigated by restoring 3,000 feet of Carmel River and San Clemente Creek channel and stream channels upstream of the project area along other streams in the watershed. Issue WET-2 (Short-term Disturbance of Wetlands and Other Waters of the U.S.) in the 2008 Final EIR/EIS and SEIR No. 1 (Issue WET-2a in the SEIR No. 2) is substantially lessened by adoption of Mitigation Measure WET-2 (WET-2a in the SEIR No. 2) regarding the design of construction features and implementation of measures in the Botanical Resources Management Plan. Issue WET-3 (Indirect Impacts to Wetlands and Other Waters of the U.S.) in the 2008 Final EIR/EIS and SEIR No. 1 is substantially lessened by adoption of mitigation measure WET-3 requiring that road improvements be designed to avoid placing fill above canyon walls, and to avoid or minimize alterations of existing drainage patterns that could lead to increased erosion and sedimentation. Construction work will be scheduled to occur during the dry season. Mitigation measures applying to Issue WET-1 (Permanent Loss of Wetlands and Other Waters of the U.S.) under Alternative 3 will also reduce impacts. Mitigation monitoring for Wetlands impacts will be reported to the Monterey County RMA – Planning Department. See Section 4.6 of the 2008 Final EIR/EIS, Section 4.6 of the SEIR No.1, and Section 4.2.5 in the SEIR No. 2.
- g) Traffic and Circulation. Issue TC-3a (Traffic Safety Carmel Valley Road) in the 2008 Final EIR/EIS and SEIR No. 1 is substantially lessened by adoption of mitigation measure TC-3a requiring implementation of a trip reduction plan, a traffic coordination and communication plan, a traffic safety plan, and to pay for additional enforcement. Mitigation includes Carmel Valley Road extended to the segment between Cachagua Road and Tassajara Road. An improvement

plan for widening roads, providing additional pavement, ensuring haul truck turning, verifying load carrying capacity of bridges and temporary or permanent improvements necessary to support equipment loads will be coordinated with Monterey County. Vehicles hauling equipment and material along the Tassajara access route to the Jeep Trail will be accompanied by pilot vehicles. Issue TC-7 (Pavement Loadings) in the 2008 Final EIR/EIS and SEIR No. 1 is substantially lessened by adoption of mitigation measure TC-7 requiring that the applicant coordinate with local agencies to determine whether the proposed routes for truck travel are appropriate before beginning construction. The applicant will repair any damage to Carmel Valley Road east of Carmel Village and to Cachagua Road between Carmel Valley Road and the Jeep Trail, and will restore them to pre-project conditions immediately after construction has been completed. Issue TC-8 (Delays to Emergency Vehicles) in the 2008 Final EIR/EIS and SEIR No. 1 is substantially lessened by adoption of mitigation measure TC-8 requiring that the applicant coordinate with Monterey County, Cachagua Fire District and Monterey Regional Fire District throughout Project construction; ensure that emergency vehicles will have priority to pass; provide turn-outs on Tassajara Road, Cachagua Road, and the Jeep Trail for use by construction equipment so emergency vehicles can pass; avoid work during peak traffic hours from 6:00 am to 8:30 am and from 3:30 pm to 6:00 pm; restrict hauling to between 9 am and 3 pm; coordinate with school bus schedules; restrict traffic to non-holiday weekdays; submit schedules to fire districts; give fire districts 24-hr contact names, phone numbers, and gate keys; maintain radio contact with fire districts throughout the project. These details are further expanded in the condition of approval requiring Construction Management Plans (CMPs). Mitigation monitoring for Traffic and Circulation impacts will be reported to the Monterey County RMA – Public Works Department. See Section 4.9 of the 2008 Final EIR/EIS and Section 4.9 of the SEIR No.1.

11. **FINDING:** **POTENTIALLY SIGNIFICANT ENVIRONMENTAL IMPACTS IDENTIFIED IN THE EIR THAT ARE REDUCED TO A LEVEL OF “LESS THAN SIGNIFICANT” BY CHANGES OR ALTERATIONS ADOPTED BY ANOTHER PUBLIC AGENCY –** Per Public Resources Code Section 21081(a)(2), with respect to significant effects on the environment identified in the Final EIR/EIS, SEIR No. 1, and SEIR No. 2 (collectively referred to as “environmental documents”), changes or alterations have been adopted by, or can and should be adopted by, a public agency other than the County of Monterey, which mitigate or avoid the significant effects on the environment, as described below. Although these measures are adopted by another public agency, they are required as conditions of project approval and the County of Monterey has elected to be added as a monitoring agency.

EVIDENCE: a) The environmental documents identified potentially significant impacts to Geology and Soils, Water Quality, Vegetation and Wildlife, Wetlands, Air Quality, Greenhouse Gas Emissions, Noise, Traffic and

Circulation, Cultural Resources, Visual Resources (Aesthetics), and Recreation which could result from all components of project. Impacts to Fisheries, Vegetation and Wildlife, Air Quality, Greenhouse Gas Emissions, and Cultural Resources are mitigated to a less than significant level due to incorporation of changes or alterations that have been adopted by, or can and should be adopted by, another public agency.

- b) Fisheries. Issues FI-2, FI-4, and FI-5 were considered significant and unavoidable in the 2008 Final EIR/EIS, but reduced to less than significant with mitigation in the SEIR No. 1. These impacts were not discussed in the SEIR No. 2. Issue FI-2 (Dewatering River Channels for Construction Purposes) are substantially lessened by adoption of mitigation measure FI-2 requiring fish rescue, erosion control and water quality protection, implementing measures in the SWPPP, stream channel restoration, and adoption of measures provided by NMFS and CDFG. Issue FI-4 (Diversion of Carmel River and San Clemente Creek around San Clemente Reservoir for Construction Purposes) has been reduced by adoption of mitigation measure FI-4 which requires that fish be rescued from the area of the diversion sites prior to constructing the diversion structures and transported to relocation sites. Issue FI-5 (Reservoir Dewatering) has been reduced by adoption of mitigation measure FI-5 which requires installation of nets and fish traps across the channels leading into the reservoir to prevent fish from swimming upstream into the Carmel River and San Clemente Creek. A fish rescue will occur in the reservoir during drawdown. Rescued fish will be relocated to other suitable habitat downstream of OCRD in the Carmel River. Issue FI-14a (Removal of OCRD) in the SEIR No. 2 is mitigated through preparation of a fish rescue and relocation plan, provided to and approved by the appropriate resource agencies before the OCRD diversion system is installed. Mitigation measures FI-2, FI-3, and FI-4 in the 2008 Final EIR/EIS and SEIR No. 1 and mitigation measure FI-14a in the SEIR No. 2 have been adopted by the Lead Agency (CDWR), will be implemented by the applicant's environmental inspector, and overseen by agencies other than the County of Monterey. Although implementation of measures identified for these impacts cannot guarantee the survival of all fish, adoption of measures approved by NMFS and CDFG for the benefit of steelhead will reduce the overall impact to that species to less than significant. Adoption of measures that will avoid significant impacts to steelhead are anticipated to reduce the overall impact to any non-listed species to less than significant. See Section 4.4 of the 2008 Final EIR/EIS, Section 4.4 of the SEIR No.1, and Section 4.2.4 in the SEIR No. 2.
- c) Vegetation and Wildlife. Issue WI-4a (Removal of the OCRD) in the SEIR No. 2 is substantially lessened by adoption of mitigation measure WI-4a which requires site habitat assessment, preconstruction surveys, and implementation of protection measures identified in the 2008 Final EIR/EIS and SEIR No. 1. Issues WI-10, WI-11, and WI-13 were considered significant and unavoidable in the 2008 Final EIR/EIS, but reduced to less than significant with mitigation in the SEIR No. 1. These issues were not discussed in the SEIR No. 2. Issue WI-10 (Reservoir

Drawdown or Elimination with Sediment Removal) has been reduced by adoption of mitigation measure WI-10 which requires that CDFG and USFWS approved biologists monitor and oversee all terrestrial wildlife-related activities associated with the drawdown and subsequent activities in the reservoir bed. The biologists and crew will rescue CRLF, tadpoles, and western pond turtle adults, juveniles and hatchlings from the inlet streams and pools in the sediment bed, and relocate them to appropriate nearby aquatic habitat within one mile of the San Clemente reservoir site. Other native wildlife taken incidentally during these operations will be transported to appropriate habitat. Issue WI-11 (Sediment Removal) has been reduced by adoption of mitigation measure WI-11 which requires amphibian rescue and relocation, predator control, restrictions on vegetation clearing, abundance surveys, and adoption of measures approved by USFWS for the protection of CRLF populations. Issue WI-13 (Bypass Channel Excavation) has been reduced by adoption of mitigation measure WI-13 which requires rescue and relocation of CRLF and Western pond turtle, presence/absence surveys for special-status species, flagging for avoidance, and adoption of measures approved by USFWS for the protection of CRLF populations. Issue WI-14 (Increased traffic on Cachagua/Jeep Trail) is substantially lessened by adoption of mitigation measure WI-14 requiring the avoidance of nighttime construction-related vehicle traffic during October-April in areas closest to potential suitable habitat for CTS. If construction-related travel must occur at night during rainy or wet conditions, a qualified biological monitor will conduct surveys to ensure no migrating CTS are on the route. The monitor will escort all project-related traffic travelling through potential CTS migration corridors after dark during wet or rainy conditions. In addition to these mitigation measures, additional mitigation and monitoring measures may be required by CDFG and USFWS for the protection of special status species that may be affected by the project. Mitigation measures WI-4a in the SEIR No. 2 and measures WI-10, WI-11, WI-13, and WI-14 in the 2008 Final EIR/EIS and SEIR No. 1 have been adopted by the Lead Agency (CDWR), will be implemented by the applicant's environmental inspector, and overseen by agencies other than the County of Monterey. See Section 4.5 of the 2008 Final EIR/EIS, Section 4.5 of the SEIR No.1, and Section 4.2.4 in the SEIR No. 2.

- d) Air Quality. Issue AQ-2 (Access Road Upgrades) was considered significant and unavoidable in the 2008 Final EIR/EIS. However, mitigated fugitive dust emissions were recalculated during preparation of the SEIR No. 1 and were found to be less than the MBUAPCD threshold of significance (82 lbs/day). This issue was not discussed in the SEIR No. 2. The impact has been substantially lessened by adoption of mitigation measure AQ-2 requiring that crushed rock be used as a final base on unpaved roads; watering of unpaved or unrocked roads, parking areas, and staging areas; implementation of water quality BMPs; use of non-toxic chemical stabilizers or dust suppressants; use of street sweepers to prevent sediment accumulation on paved roads; enforcement of a 15-mph speed limit on unpaved haul roads; implementation of PM₁₀ controls on access roads, including paving and

coarse graveling, in addition to periodic watering, along with practical and cost-effective NOX controls for diesel vehicles and equipment. Issue AQ-3 (Project Generated Traffic-Additional Truck Trips) in the 2008 Final EIR/EIS and SEIR No. 1 has been substantially lessened by adoption of mitigation measure AQ-2, described above. These measures have been adopted by the Lead Agency (CDWR) and will be enforced by the MBUAPCD. See Section 4.7 of the 2008 Final EIR/EIS and Section 4.7 of the SEIR No.1.

- e) Greenhouse Gas Emissions. Alternative 3 Project-Generated Emissions impacts (no impact number provided) were discussed in the SEIR No. 1. This impact has been substantially lessened by adoption of mitigation measures requiring maximum on-road fuel efficiency; developing a VMT reduction plan; using carpools, vanpools, or shuttle services to reduce worker-related VMT; reducing unnecessary idling through use of auxiliary power units, electric equipment and enforcement of idling and speed limits; maintaining engines and equipment efficiently; implementing a construction and demolition plan that will result in at least 50 percent diversion through reuse or recycling of nonhazardous construction waste; hauling non-reusable materials to the nearest waste disposal facility. These measures have been adopted by the Lead Agency (CDWR) and will be enforced by the MBUAPCD. See Section 4.7a of the SEIR No.1.
- f) Cultural Resources. Issue CR-1 (Ground Disturbance) in the 2008 Final EIR/EIS and SEIR No. 1 is substantially lessened by adoption of mitigation measure CR-1 requiring the applicant to complete the Section 106 process, prepare a Memorandum of Agreement, and following requirements in 36 CFR 800.13 in the event unanticipated impacts to historic properties occur after completion of the 106 process. Activities involving the “saddle” (the peninsula of land bordered to the east, north and west by the reservoir) could damage or destroy buried deposits in CA-MNT-1253 (BRM features) (AR-4), which has not been tested. The site will be protected by use of exclusion fencing. If avoidance is not possible, the State Historic Preservation Office (SHPO) will be contacted. Data recovery of the site may be required. These measures have been adopted by the Lead Agency (CDWR) and will be enforced by the SHPO. See Section 4.10 in the 2008 Final EIR/EIS and Section 4.10 of the SEIR No.1.

12. **FINDING:**

SIGNIFICANT UNAVOIDABLE ADVERSE IMPACTS – Per Public Resources Code section 21081(a)(3), with respect to significant unavoidable effects on the environment identified in the Final EIR/EIS, SEIR No. 1, and SEIR No. 2 (collectively referred to as “environmental documents”), specific economic, legal, social, technological, or other considerations, including considerations for the provision of employment opportunities for highly trained workers, make infeasible mitigation measures that could avoid or reduce such impacts to a level of insignificance, even with incorporation of measures identified in the environmental documents, as described below.

EVIDENCE: a)

The environmental documents identified potentially significant impacts to Water Quality, Air Quality, Noise, Traffic and Circulation, Cultural

Resources, Visual Resources (Aesthetics), and Recreation which could result from all components of project. These impacts are significant and unavoidable and cannot be mitigated to a less than significant level even with incorporation of mitigation measures from the environmental documents into the conditions of project approval.

- b) Water Quality. The 2008 Final EIR/EIS and SEIR No. 1 identified potentially significant impacts to reservoir drawdown (Issue WQ-9). Lowering of water levels in the reservoir will cause increased turbidity and decreased dissolved oxygen. Mitigation measure WQ-9 requires the use of settling basins and filtration systems to treat ground and surface water pumped from reservoir by before water is discharged to the Carmel River. However, even with this mitigation, water quality degradation resulting from reservoir drawdown remains significant and unavoidable. This is a short-term, construction-related environmental impact.
- c) Air Quality. The 2008 Final EIR/EIS, SEIR No. 1, and SEIR No. 2 identified potentially significant impacts to air quality resulting from dam site construction activities (Issue AQ-1 in the 2008 Final EIR/EIS and SEIR No. 1, AQ-1a in the SEIR No. 2) and screening plant operations (Issue AQ-1a in the 2008 Final EIR/EIS and SEIR No. 1). Dam site construction activities will generate temporary emissions from diesel-powered equipment and road dust. Fugitive dust will exceed the MBUAPCD construction thresholds of significance for PM₁₀. The impact has been reduced by adoption of mitigation measure AQ-1 which requires implementation of measures to control emissions and fugitive dust during construction. However, even with this mitigation, the impact will remain significant and unavoidable. Screening plant operation (Issue AQ-1a in the Final EIR/EIS and SEIR No. 1) will add to the overall significant emissions generated by the project. The impact has been reduced by adoption of mitigation measure AQ-1, described above. This measure will partially mitigate this impact. However, even with the mitigation, the impact will remain significant and unavoidable. Both of these impacts are short-term, construction-related environmental impacts.
- d) Noise. The 2008 Final EIR/EIS, SEIR No. 1 and SEIR No. 2 identified potentially significant impacts to noise resulting from dam site construction activities (Issue NO-1 in the 2008 Final EIR/EIS and SEIR No. 1, NO-1a in the SEIR No. 2). The 2008 Final EIR/EIS and SEIR No. 1 additionally identified significant impacts to noise resulting from access road upgrades (Issue NO-2), and project-generated traffic (Issue NO-3). Dam site construction activities will cause short-term day and nighttime noise impacts. The impact has been reduced by adoption of mitigation measure NO-1 (NO-1a in the SEIR No. 2), which specifies use of quiet-design equipment, mufflers, and enclosures, elimination of unnecessary idling, maintenance of equipment, and timing restrictions for equipment use. However, even with implementation of this mitigation, given the sparsely populated rural nature of the project area, the impact will remain significant and unavoidable. Road and bridge widening and improvements (Issue NO-2 in the 2008 Final EIR/EIS and SEIR No. 1) will generate noise detectable to sensitive receptors. Noise

impacts may remain at a significant level for several weeks. The impact has been reduced by adoption of mitigation measure NO-2 which requires the use and maintenance of quiet design construction equipment, the installation of engine enclosure panels, and the implementation of timing restrictions and limitations on equipment idling and limiting access road construction to the hours between 7:00 am and 6:00 pm. Implementation of these mitigation measures will reduce the impacts of noise generated during access road improvements, but the impact remains significant and unavoidable. Noise from construction-related traffic (Issue NO-3 in the 2008 Final EIR/EIS and SEIR No. 1) will occur both day and night and may exceed the normally acceptable range or be more than 5 dBA above background. The impact has been reduced by adoption of mitigation measure NO-3 which requires the use and maintenance of quiet design construction equipment, the installation of engine enclosure panels, implementation of timing restrictions and limitations on equipment idling, limiting night work to sediment excavation at the SCD and reservoir sites, and limiting access road construction to the hours between 7:00 am and 6:00 pm. Night work will be limited to sediment excavation at the SCD and reservoir sites. Implementation of these mitigation measures reduces the impacts of noise from construction related travel, but the impact remains significant and unavoidable. All significant and unavoidable noise impacts are short-term, construction-related environmental impacts.

- e) Traffic and Circulation. The 2008 Final EIR/EIS and SEIR No. 1 identified potentially significant impacts to traffic and circulation resulting from road segment traffic operations (Issue TC-1). Access improvements and construction use of the Jeep Trail and the new road connecting the Jeep Trail to the reservoir will add additional traffic to the roadway. The impact has been reduced by adoption of mitigation measure TC-1 which requires implementation of a construction management plan and a traffic control plan, avoiding equipment trips during peak traffic hours between 6:00 am to 8:30 am and from 3:30 pm to 6:00 pm, coordination of equipment trips with local fire districts, and school bus schedules. Even with implementation of these measures, traffic delays to non-project related users may exceed 10 minutes; therefore the impact remains potentially significant and unavoidable. This impact is a short-term, construction-related environmental impact.
- f) Cultural Resources. The 2008 Final EIR/EIS, SEIR No. 1 and SEIR No. 2 identified potentially significant impacts related to demolition or alteration of historic properties (Issue CR-4 in the Final EIR/EIS and SEIR No.1, CR-4a in the SEIR No. 2). The OCRD and associated fish ladder, SCD and associated fish ladder, and the Chemical Building/Instrument Hut will be demolished. The impact has been reduced by adoption of mitigation measure CR-4 with the requirement to perform historic properties recordation and to complete Historic American Buildings Survey (HABS)/Historic American Engineering Record (HAER) level documentation, and to incorporate any additional measures specified by the Section 106 MOA. However, even with implementation of these mitigation measures, the impact will remain significant and unavoidable.

- g) Visual Resources (Aesthetics). The 2008 Final EIR/EIS and SEIR No. 1 identified potentially significant impacts to viewshed from residences adjacent to the SCD (Issue VQ-2), to viewsheds near or on the Jeep Trail (Issue VQ-5a), and related to light and glare from nighttime construction activities (Issue VQ-6). Residents near the SCD will have views of project construction activities during normal working hours and at night. Due to the location of the residences, construction activities at the dam will be in full view of the residence located adjacent to the SCD. Because of the close proximity of the residence to the dam site, and because construction activities occur could both day and night, there is no feasible way to reduce the impacts to the viewshed at this location. This impact (VQ-2) is a short-term, construction-related environmental impact. During construction, owners of the Stone Cabin will have views of construction activities associated with the road improvements needed on the Jeep Trail for construction access, and will view construction equipment use, and other construction-related traffic, on the Jeep Trail. Construction-related activities and traffic will substantially degrade the existing visual character or quality of the site and its surroundings during construction. The impact (VQ-5a) has been reduced by adoption of mitigation measure VQ-5a with the requirement to revegetate disturbed areas near the Jeep Trail as specified in the Botanical Resources Management Plan. With revegetation there will ultimately be no long-term impact to the viewshed, however, even with implementation of this measure, this impact remains significant and unavoidable. Construction activities at the Dam and reservoir site will occur at night, requiring lighting of the work area. Residents at the Dam Keeper's cottage will be directly affected by the project lighting. It is possible that residents in the surrounding area, such as Sleepy Hollow, the Stone Cabin, or Camp Stephanie, could perceive some light in the nighttime sky. The impact has been reduced by adoption of mitigation measure VQ-6 with the requirement to direct light down towards the work areas to the extent possible, and shield light sources to reduce sky glow and spillover. However, even with implementation of this measure, this impact remains significant and unavoidable. These impacts are all short-term, construction-related environmental impacts.
- h) Recreation. The 2008 Final EIR/EIS and SEIR No. 1 identified potentially significant recreation impacts related to the disruption of use of the Jeep Trail (Issue REC-2) and to delays for motorists travelling to the Los Padres National Forest (Issue REC-5). During construction, use of the Jeep Trail will be disrupted for owners of the Stone Cabin due to access road improvements, construction equipment use, and other construction-related traffic (Issue REC-2). Addition of construction-related activities and traffic during the course of project construction will disrupt Jeep Trail use. The impact has been reduced by adoption of mitigation measure REC-2 with the requirement to conduct access road construction during normal working hours. However, even with implementation of this measure, this impact remains significant and unavoidable. Motorists traveling along Tassajara Road and the southern portion of Cachagua Road to entrance of the Jeep Trail may experience delays when slow-moving trucks transporting construction equipment or

materials are using the road. Truck and other heavy equipment use on these roads will delay recreational and other motorists traveling to the Los Padres National Forest (Issue REC-5). The impact has been reduced by adoption of mitigation measure REC-5 with the requirement to avoid peak traffic hours between 6:00 am to 8:30 am and from 3:30 pm to 6:00 pm. The applicant will additionally prepare a trip reduction plan, traffic coordination and communication plan, and a traffic safety plan. These plans will be submitted to, and approved by Monterey County, prior to the start of construction. However, even with these measures, the impact remains significant and unavoidable. Both recreation impacts are short-term, construction-related environmental impacts.

13. **FINDING:**

ALTERNATIVES WERE CONSIDERED AND ONE WAS SELECTED – The project which is the subject of this permit is “Alternative 3” considered in the 2008 Final EIR/EIS. It has been chosen over the original proposed project (referred to as “proponent’s proposed project” in the 2008 Final EIR/EIS). Specific economic, legal, social, technological, or other considerations made infeasible the other alternatives.

EVIDENCE: a)

In 2006, CDWR the released a Draft EIR/EIS for the San Clemente Dam Seismic Safety Project that evaluated four alternatives in addition to the proposed project to meet the project purposes and objectives.

These included:

- The Proponent’s Proposed Project (Dam Strengthening)
- Alternative 1: Dam Notching
- Alternative 2. Dam Removal
- Alternative 3. Carmel River Reroute and Dam Removal (the current project)
- Alternative 4. No Project

Based on considerations presented below, CDWR rejected the proponent’s proposed project and instead selected Alternative 3.

- b) The Proponent’s Proposed Project. The proponent’s proposed project would have increased dam safety to current standards and would have addressed other objectives of the project. However, dam strengthening would have posed more significant and unavoidable impacts to noise and aesthetics than would Alternative 3, and would have had similar impacts to air quality and cultural resources. The proponent’s proposed project would have also had other significant effects, equally undesirable, that were avoided by the selection of Alternative 3.
- c) Alternative 1 – Dam Notching. Alternative 1 would have posed fewer significant and unavoidable impacts to hydrology and water resources, vegetation and wildlife than would Alternative 3, and would have had similar impacts to fisheries, air quality, traffic and circulation, and cultural resources. However, Alternative 1 would have posed more significant and unavoidable impacts to water quality, aesthetics, recreation, and land use. Alternative 1 would have also created other significant effects, equally undesirable, that were avoided by the selection of Alternative 3.
- d) Alternative 2 – Dam Removal. Alternative 2 would have met the project need to increase dam safety to current standards and would have posed

fewer significant and unavoidable impacts to vegetation and wildlife. However, Alternative 2 would have posed more significant and unavoidable impacts to hydrology and water resources, fisheries, noise, aesthetics, land use, and recreation. This alternative would have also created other significant effects, equally undesirable, that were avoided by the selection of Alternative 3.

- e) Alternative 4 – No Project. Alternative 4 would not have met the project need to increase dam safety to current standards, and would not have addressed the objective of protecting public safety. The No Project alternative would have failed to adequately address the objective of providing fish passage at the San Clemente Dam. The No Project alternative was not considered a feasible means to avoid the residual significant effects of the project.
- f) Selected Alternative. Strengthening or notching the dam would have resolved the public safety issues, but would not have addressed other issues related to the dam such as impaired access for steelhead to 25 miles of upstream spawning and rearing habitat, disruption of sediment transport to the lower river and Carmel River beach, and ecological discontinuity of aquatic and riparian habitats. Removing the dam will resolve these issues and provide significant benefits to both steelhead and California red-legged frog.
- g) Modifications to Alternative 3 were made after CDWR filed the Notice of Determination on the 2008 Final EIR/EIS. Compared to the previously analyzed Alternative 3, these changes included an increase in removal of accumulated sediment from 380,000 cubic yards (cy) to 830,000 cy (relocating sediment to the Carmel River arm sediment disposal area); the construction of 12 staging areas along the Jeep Trail; utilization of Tassajara Road and Cachagua Road for heavy equipment mobilization; and use of a new screening plant upstream of the diversion dike, among other changes. These changes were analyzed in the July 2012 Final SEIR No. 1.
- h) Each of the project alternatives evaluated in the 2008 Final EIR/EIS included constructing a notch in the Old Carmel River Dam, with the exception of the no-project alternative. To improve fish passage and restore the Carmel River to a more natural state, CAW decided to completely remove the Old Carmel River Dam, rather than notch this dam as described and analyzed in the 2008 Final EIR/EIS. DWR did not address removal of the Old Carmel River Dam in the July 2012 Final SEIR No. 1. Therefore, a Second SEIR was prepared to specifically address impacts related to removal of Old Carmel River Dam (August 2012 Final SEIR No. 2).

14. **FINDING:**

STATEMENT OF OVERRIDING CONSIDERATION – Having reduced all the effects of the proposed Carmel River Reroute and Dam Removal Project by adopting mitigation measures into project approval as conditions and by choosing a project alternative that reduces environmental impacts, and balanced the benefits of the project against unavoidable adverse short-term construction impacts related to air quality, noise, traffic and circulation, visual resources, and recreation, and unavoidable adverse long-term impacts to water quality and cultural

resources, the County hereby determines that the specific overriding economic, legal, social, technological, or other benefits of the proposed project outweigh the potential unavoidable adverse impacts, and that the unavoidable adverse effects are therefore acceptable, based on the following overriding considerations, each of which is sufficient to outweigh the project's unavoidable adverse effects:

- EVIDENCE:**
- a) The existing San Clemente Dam could potentially fail in the event of either a major earthquake or flood, as determined by a CDWR safety order issued for the dam structure in the early 1990s. Failing to address this problem through dam strengthening, dam notching, or dam removal will expose thousands of downstream residents to potentially significant public safety hazards.
 - b) The CDWR, California State Coastal Conservancy, NMFS, and the Planning and Conservation League Foundation have determined that the Carmel River Reroute and Dam Removal Project (Alternative 3) is the preferred project among alternatives examined to address seismic safety issues associated with the San Clemente Dam with the least adverse impacts on the environment (refer to Finding #13).
 - c) The project will provide the following public benefits that outweigh the potential unavoidable adverse impacts:
 - 1. Protecting public safety by removing the dam.
 - 2. Significantly improving fish passage by removing the dam and rerouting the Carmel River to provide unobstructed flow from the mouth of the Carmel River to Los Padres Dam above the site of the San Clemente Dam. This will open up approximately 25 miles of upstream spawning and rearing habitat that is currently inaccessible to steelhead and other fish species.
 - 3. Restoring the ecological integrity of the Carmel River up- and down-stream of the San Clemente Dam site, thereby helping to restore river functions and habitats. This will re-establish natural sediment transport to the lower river and Carmel River beach and restore ecological continuity of aquatic and riparian habitats.
 - 4. Providing significant benefits to both steelhead and California red-legged frog.
 - 5. Protecting 928 acres for watershed conservation and compatible public access.
 - 6. Improving safety on Cachagua Road by widening five curves, strengthening a load-restricted one-lane bridge, and pruning tree branches at the intersection with Carmel Valley Road to improve site distance.

15. **FINDING:** **PUBLIC HEARING** – The Planning Commission held a duly noticed public hearing on the San Clemente Dam Seismic Safety Project on September 12, 2012.

- EVIDENCE:**
- a) Public hearings notices were mailed to neighbors on August 29, 2012. Public hearing notices were posted on September 1, 2012. A public hearing notice was published in the Monterey County Herald on September 2, 2012.
 - b) On July 25, 2012, the Planning Commission held workshop to receive

staff presentation on the proposed Combined Development Permit for the San Clemente Dam Seismic Safety Project.

16. **FINDING:** **APPEALABILITY** - The decision on this project may be appealed to the Board of Supervisors.
- EVIDENCE:** a) Per Section 21.80.040.D of the Monterey County Code, the decision on the project is appealable to the Board of Supervisors.

DECISION

NOW, THEREFORE, based on the above findings and evidence, the Planning Commission does hereby:

- 1) Consider an Environmental Impact Report/Environmental Impact Statement for the San Clemente Dam Seismic Safety Project (CDWR, January 2008), a Supplement to the Final EIR for the San Clemente Dam Seismic Safety Project (Final SEIR No. 1, CDWR, July 2012), and a Supplement No. 2 to the San Clemente Dam Seismic Safety Project Final EIR/EIS (Removal of Old Carmel River Dam) (Final SEIR No. 2, California Coastal Conservancy, August 2012);
- 2) Adopt the findings and Statement of Overriding Considerations set forth herein;
- 3) Approve the San Clemente Dam Seismic Safety Project, based on the findings and evidence and subject to the conditions of approval attached hereto as **Exhibit C**; and
- 4) Adopt a Mitigation Monitoring and Reporting Plan.

PASSED AND ADOPTED this 12th day of September, 2012 upon motion of xxxx, seconded by xxxx, by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

Mike Novo, Planning Commission

COPY OF THIS DECISION MAILED TO APPLICANT ON DATE

THIS APPLICATION IS APPEALABLE TO THE BOARD OF SUPERVISORS.

IF ANYONE WISHES TO APPEAL THIS DECISION, AN APPEAL FORM MUST BE COMPLETED AND SUBMITTED TO THE CLERK TO THE BOARD ALONG WITH THE APPROPRIATE FILING FEE ON OR BEFORE [DATE]

This decision, if this is the final administrative decision, is subject to judicial review pursuant to California Code of Civil Procedure Sections 1094.5 and 1094.6. Any Petition for Writ of Mandate must be filed with the Court no later than the 90th day following the date on which this decision becomes final.

NOTES

1. You must comply with the Monterey County Building Ordinance in every respect.

Additionally, the Zoning Ordinance provides that no building permit shall be issued, nor any use conducted, otherwise than in accordance with the conditions and terms of the permit granted or until ten days after the mailing of notice of the granting of the permit by the appropriate authority, or after granting of the permit by the Board of Supervisors in the event of appeal.

Do not start any construction or occupy any building until you have obtained the necessary permits and use clearances from the Monterey County Planning Department and Building Services Department office in Salinas.

2. This permit expires 3 years after the above date of granting thereof unless construction or use is started within this period.

Form Rev. 05-09-2012

Monterey County Planning Department

DRAFT Conditions of Approval/Mitigation Monitoring Reporting Plan

PLN110373

1. PD001 - SPECIFIC USES ONLY

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: This permit was approved in accordance with County ordinances and land use regulations subject to the terms and conditions described in the project file. The terms "Applicant" and "Owner" in the conditions of this permit refer to California American Water (CAW). Neither the uses nor the construction allowed by this permit shall commence unless and until all of the conditions of this permit are met to the satisfaction of the Director of the RMA - Planning Department. Any use or construction not in substantial conformance with the terms and conditions of this permit is a violation of County regulations and may result in modification or revocation of this permit and subsequent legal action. No use or construction other than that specified by this permit is allowed unless additional permits are approved by the appropriate authorities. To the extent that the County has delegated any condition compliance or mitigation monitoring to the Monterey County Water Resources Agency, the Water Resources Agency shall provide all information requested by the County and the County shall bear ultimate responsibility to ensure that conditions and mitigation measures are properly fulfilled. (RMA - Planning Department)

Compliance or Monitoring Action to be Performed: The Owner/Applicant shall adhere to conditions and uses specified in the permit on an ongoing basis unless otherwise stated.

2. PD002 - NOTICE PERMIT APPROVAL

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: The applicant shall record a Permit Approval Notice. This notice to contain the Resolution Number, Name of Hearing Body, Assessor's Parcel Number, Date the permit was approved, and the statements "The permit was granted subject to conditions of approval which run with the land" and "A copy of the permit is on file with the Monterey County RMA - Planning Department." Proof of recordation of this notice shall be furnished to the Director of the RMA - Planning Department prior to issuance of building permits or commencement of the use. (RMA - Planning Department)

Compliance or Monitoring Action to be Performed: Prior to the issuance of grading and building permits or commencement of use, the Owner/Applicant shall provide proof of recordation of this notice to the RMA - Planning Department.

3. PD004 - INDEMNIFICATION AGREEMENT

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

The property owner agrees as a condition and in consideration of approval of this discretionary development permit that it will, pursuant to agreement and/or statutory provisions as applicable, including but not limited to Government Code Section 66474.9, defend, indemnify and hold harmless the County of Monterey or its agents, officers and employees from any claim, action or proceeding against the County or its agents, officers or employees to attack, set aside, void or annul this approval, which action is brought within the time period provided for under law, including but not limited to, Government Code Section 66499.37, as applicable. The property owner will reimburse the County for any court costs and attorney's fees which the County may be required by a court to pay as a result of such action. The County may, at its sole discretion, participate in the defense of such action; but such participation shall not relieve applicant of his obligations under this condition. An agreement to this effect shall be recorded upon demand of County Counsel or concurrent with the issuance of building permits, use of property, filing of the final map, whichever occurs first and as applicable. The County shall promptly notify the property owner of any such claim, action or proceeding and the County shall cooperate fully in the defense thereof. If the County fails to promptly notify the property owner of any such claim, action or proceeding or fails to cooperate fully in the defense thereof, the property owner shall not thereafter be responsible to defend, indemnify or hold the County harmless.
(RMA - Planning Department)

**Compliance or
Monitoring
Action to be Performed:**

Upon demand of County Counsel or concurrent with the issuance of building permits, use of the property, recording of the final/parcel map, whichever occurs first and as applicable, the Owner/Applicant shall submit a signed and notarized Indemnification Agreement to the Director of RMA-Planning Department for review and signature by the County.

Proof of recordation of the Indemnification Agreement, as outlined, shall be submitted to the RMA-Planning Department.

4. PD003(B) - CULTURAL RESOURCES POSITIVE ARCHAEOLOGICAL REPORT

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: If archaeological resources or human remains are accidentally discovered during construction, the following steps will be taken:

There shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent human remains until the coroner of the county in which the remain are discovered must be contacted to determine that no investigation of the cause of death is required.

If the coroner determines the remains to be Native American:

- The coroner shall contact the Native American Heritage Commission and the RMA - Planning Department within 24 hours.

- The Native American Heritage Commission shall identify the person or persons from a recognized local tribe of the Esselen, Salinan, Costonoans/Ohlone and Chumash tribal groups, as appropriate, to be the most likely descendant.

- The most likely descendant may make recommendations to the landowner or the person responsible for the excavation work, for means of treating or disposing of, with appropriate dignity, the human remains and any associated grave goods as provided in Public Resources Code Section 5097.9 and 5097.993, Or

Where the following conditions occur, the landowner or his authorized representatives shall rebury the Native American human remains and associated grave goods with appropriate dignity on the property in a location not subject to further subsurface disturbance:

1. The Native American Heritage Commission is unable to identify a most likely descendant or the most likely descendant failed to make a recommendation within 24 hours after being notified by the commission.

2. The descendant identified fails to make a recommendation; or

3. The landowner or his authorized representative rejects the recommendation of the descendant, and the mediation by the Native American Heritage Commission fails to provide measures acceptable to the landowner.

(RMA - Planning Department)

Compliance or Monitoring Action to be Performed: Prior to the issuance of grading or building permits or approval of Subdivision Improvement Plans, whichever occurs first, the Owner/Applicant, per the archaeologist, shall submit the contract with a Registered Professional Archaeologist to the Director of the RMA-Planning Department for approval.

Prior to the issuance of grading or building permits and/or prior to the recordation of the final/parcel map, whichever occurs first, the Owner/Applicant shall include requirements of this condition as a note on all grading and building plans, on the Subdivision Improvement Plans, in the CC&Rs, and shall be included as a note on an additional sheet of the final/parcel map.

5. PD006 - MITIGATION MONITORING

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: The applicant shall enter into an agreement with the County to implement a Mitigation Monitoring and/or Reporting Plan in accordance with Section 21081.6 of the California Public Resources Code and Section 15097 of Title 14 Chapter 3 of the California Code of Regulations. Compliance with the fee schedule adopted by the Board of Supervisors for mitigation monitoring shall be required and payment made to the County of Monterey at the time the property owner submits the signed mitigation monitoring agreement.
(RMA - Planning Department)

Compliance or Monitoring Action to be Performed: Within sixty (60) days after project approval or prior to the issuance of building and grading permits, whichever occurs first, the Owner/Applicant shall:

- 1) Enter into agreement with the County to implement a Mitigation Monitoring Program.
- 2) Fees shall be submitted at the time the property owner submits the signed mitigation monitoring agreement.

6. PD007- GRADING WINTER RESTRICTION

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: No land clearing or grading shall occur on the subject parcel between October 15 and April 15 unless authorized by the Director of RMA - Building Services Department.
(RMA - Planning Department and Building Services Department)

Compliance or Monitoring Action to be Performed: The Owner/Applicant, on an on-going basis, shall obtain authorization from the Director of RMA - Building Services Department to conduct land clearing or grading between October 15 and April 15.

7. PD010 - EROSION CONTROL PLAN

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: The approved development shall incorporate the recommendations of the Erosion Control Plan as reviewed by the Director of RMA - Planning and Director of Building Services. All cut and/or fill slopes exposed during the course of construction be covered, seeded, or otherwise treated to control erosion during the course of construction, subject to the approval of the Director of RMA - Planning and RMA - Building Services. The improvement and grading plans shall include an implementation schedule of measures for the prevention and control of erosion, siltation and dust during and immediately following construction and until erosion control planting becomes established. This program shall be approved by the Director of RMA - Planning and Director of RMA - Building Services.
(RMA - Planning Department and RMA - Building Services Department)

Compliance or Monitoring Action to be Performed: Prior to the issuance of grading and building permits, the Owner/Applicant shall submit an Erosion Control Plan to the RMA - Planning Department and the RMA - Building Services Department for review and approval.

The Owner/Applicant, on an on-going basis, shall comply with the recommendations of the Erosion Control Plan during the course of construction until project completion as approved by the Director of RMA - Planning and Director of RMA - Building Services.

8. PD011 - TREE AND ROOT PROTECTION

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

Trees which are located close to construction site(s) shall be protected from inadvertent damage from construction equipment by fencing off the canopy driplines and/or critical root zones (whichever is greater) with protective materials, wrapping trunks with protective materials, avoiding fill of any type against the base of the trunks and avoiding an increase in soil depth at the feeding zone or drip-line of the retained trees. Said protection, approved by certified arborist, shall be demonstrated prior to issuance of building permits subject to the approval of RMA - Director of Planning. If there is any potential for damage, all work must stop in the area and a report, with mitigation measures, shall be submitted by certified arborist. Should any additional trees not included in this permit be harmed, during grading or construction activities, in such a way where removal is required, the owner/applicant shall obtain required permits. (RMA - Planning Department)

**Compliance or
Monitoring
Action to be Performed:**

Prior to issuance of grading and/or building permits, the Owner/Applicant shall submit evidence of tree protection to the RMA - Planning Department for review and approval.

During construction, the Owner/Applicant/Arborist shall submit on-going evidence that tree protection measures are in place through out grading and construction phases. If damage is possible, submit an interim report prepared by a certified arborist.

Prior to final inspection, the Owner/Applicant shall submit photos of the trees on the property to the RMA-Planning Department after construction to document that tree protection has been successful or if follow-up remediation or additional permits are required.

9. PD032(A) - PERMIT EXPIRATION

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

The permit shall be granted for a time period of 3 years, to expire on September 12, 2015 unless use of the property or actual construction has begun within this period. (RMA-Planning Department)

**Compliance or
Monitoring
Action to be Performed:**

Prior to the expiration date stated in the condition, the Owner/Applicant shall obtain a valid grading or building permit and/or commence the authorized use to the satisfaction of the Director of Planning. Any request for extension must be received by the Planning Department at least 30 days prior to the expiration date.

10. PD047 - DEMOLITION/DECONSTRUCTION (MBUAPCD RULE 439)

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: In accordance with Monterey Bay Unified Air Pollution Control District Rule 439, construction plans shall include "Demolition and Deconstruction" notes that incorporate the following work practice standards:

1. Sufficiently wet the structure prior to deconstruction or demolition. Continue wetting as necessary during active deconstruction or demolition and the debris reduction process;
2. Demolish the structure inward toward the building pad. Lay down roof and walls so that they fall inward and not away from the building;
3. Commencement of deconstruction or demolition activities shall be prohibited when the peak wind speed exceeds 15 miles per hour.

All Air District standards shall be enforced by the Air District.
(RMA - Planning Department)

Compliance or Monitoring Action to be Performed: Prior to the issuance of a demolition permit, if applicable, the Owner/Applicant/Contractor shall incorporate a "Demolition/Deconstruction" note on the demolition site plan that includes, but is not limited to, the standards set forth in this condition.

During demolition, the Owner/Applicant/Contractor shall obtain any required Air District permits and the Air District shall conduct all deconstruction or demolition activities as required by the Air District.

11. PDSP01 - IRRIGATION PLAN

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: The applicant shall prepare an Irrigation Plan that identifies the location and type of irrigation fixtures proposed. The irrigation plan shall utilize a smart watering system that evaluates the existing site conditions and plant material against weather conditions to avoid overwatering of such areas, and shall include an estimate of annual water use.

Compliance or Monitoring Action to be Performed: Prior to commencement of construction of Phase 2 (Dam Removal), submit an irrigation plan to RMA – Planning Department for review and approval. The irrigation plan shall be signed and stamped by licensed professional under the following statement, "I certify that this irrigation plan complies with all Monterey County landscaping requirements including low-flow, water conserving irrigation fixtures."

12. EHSP01 - HAZARDOUS MATERIALS: BUSINESS RESPONSE PLAN

Responsible Department: Health Department

Condition/Mitigation Monitoring Measure: The applicant shall maintain an up-to-date Business Response Plan that meets the standards found in the California Code of Regulations, Title 19, Division 2, Chapter 4 (Hazardous Material Release Reporting, Inventory, and Response Plans) and the California Health and Safety Code, Division 20, Chapter 6.95 (Hazardous Material Release Response Plans and Inventory), and the Monterey County Code Chapter 10.65. (Environmental Health)

Compliance or Monitoring Action to be Performed: Prior to commencement of construction, submit a signed Business Response Plan - Memorandum of Understanding (form available from EHB) that specifies an approved Business Response Plan must be on file with Hazardous Materials Management Services prior to bringing hazardous materials on site and/or commencement of operations. Once approved, the applicant shall maintain an up-to-date Business Response Plan.

13. EHSP02 - HAZARDOUS WASTE CONTROL

Responsible Department: Health Department

Condition/Mitigation Monitoring Measure: The facility shall comply with the standards found in the California Code of Regulations, Title 22, Division 4.5 and the California Health and Safety Code, Division 20, Chapter 6.5, and the Monterey County Code Chapter 10.65 for the proper handling, storage and disposal of Hazardous Waste as approved by the Environmental Health Bureau (EHB). (Environmental Health)

Compliance or Monitoring Action to be Performed: Prior to commencement of operations the facility shall be registered with Hazardous Materials Management Services of the Environmental Health Bureau.

Comply with all conditions of the Hazardous Materials permit.

14. EHSP03 - HAZARDOUS MATERIALS: SPILL PREVENTION CONTROL COUNTERMEASURE PLAN

Responsible Department: Health Department

Condition/Mitigation Monitoring Measure: Above ground storage tanks for petroleum products (i.e. diesel, oil, and gasoline) with greater than 1320-gallons of capacity or for cumulative storage of more than 1320-gallons shall meet the standards as found in the California Health and Safety Code, Section 25270 et seq. and of the Code of Federal Regulations, Part 112 (commencing with Section 112.1) of Subchapter D of Chapter 1 of Title 40. (Environmental Health)

Compliance or Monitoring Action to be Performed: Prior to commencement of construction submit a Spill Prevention Control Countermeasure (SPCC) Plan to the Environmental Health Bureau for review and approval.

Once approved, the applicant shall maintain an up-to-date SPCC Plan.

15. WRSP1 - FEMA LETTER OF MAP REVISION (NON-STANDARD CONDITION)

Responsible Department: Water Resources Agency

Condition/Mitigation Monitoring Measure: The applicant shall obtain a FEMA Letter of Map Revision (LOMR) documenting changes to the effective FEMA Flood Insurance Rate Map which will result from the removal of Old Carmel River Dam. (Water Resources Agency)

Compliance or Monitoring Action to be Performed: Prior to final inspection, the applicant shall submit a FEMA LOMR application, with all supporting materials, to the Water Resources Agency for review and approval.

Following Agency approval, the applicant shall submit the LOMR application and fees to FEMA.

16. PW0001 - ENCROACHMENT (COM)

Responsible Department: Public Works Department

Condition/Mitigation Monitoring Measure: Obtain an encroachment permit from the Department of Public Works and construct a private driveway connection to Cachagua Road. The design and construction is subject to the approval of the Public Works Director.

Compliance or Monitoring Action to be Performed: Prior to construction activities the Applicant/ Contractor shall obtain an encroachment permit from DPW. Improvements are to be completed prior to construction activities. Applicant is responsible to obtain all permits and environmental clearances.

17. PW0023 - ROAD IMPROVEMENT PLANS

Responsible Department: Public Works Department

Condition/Mitigation Monitoring Measure: Provide the road improvement plans for approval of the Department of Public Works and that the roads be constructed in accordance with the approved plans.

Compliance or Monitoring Action to be Performed: Prior to construction activities the applicant shall submit the road improvement plans prepared by his Engineer to the DPW for approval. The road Improvements are to be built prior to construction activities.

18. PWSP001 - ENCROACHMENT (NON-STANDARD)

Responsible Department: Public Works Department

Condition/Mitigation Monitoring Measure: Obtain an encroachment permit from the Department of Public Works to construct road improvements. The design and construction is subject to the approval of the Public Works Director.

Compliance or Monitoring Action to be Performed: Prior to construction activities the Applicant/ Contractor shall obtain an encroachment permit from DPW. Improvements are to be completed prior to construction activities. Applicant is responsible to obtain all permits and environmental clearances.

19. PWSP002 - CONSTRUCTION MANAGEMENT PLAN (NON-STANDARD)

Responsible Department: Public Works Department

**Condition/Mitigation
Monitoring Measure:**

The applicant/ California American Water supplied contractor shall submit a Construction Management Plan (CMP) to the RMA-Planning Department and the Department of Public Works for review and approval prior to the initiation of construction related activity that could adversely affect traffic on County roadways. The CMP shall include measures to minimize traffic impacts during the construction/ grading phase of the project and shall provide the following information based on the requirements of each agency:

- 1.- Duration of the construction,
- 2.- Hours of operation (the road can only be closed from 9:00 to 15:00, Monday through Friday except for emergency vehicles),
- 3.- An estimate of the number of truck trips that will be generated,
- 4.- Number of construction workers,
- 5.- Parking areas for both equipment and workers,
- 6.- Locations of truck staging areas.
- 7.- Trip Reduction Plan for Construction Workers
- 8.- Traffic Coordination and Communication Plan
- 9.- Traffic Safety Plan
- 10.- Vehicle Size and Traffic Limitations
- 11.- Travel Routes
- 12.- Flag Person Requirements
- 7.- Emergency Agency/ Access
- 8.- Construction Signing
- 9.- Vehicle and Driver Inspection Program
- 11.- Equipment mobilization coordination Fire departments and Schools
- 12.- No hauling when school buses are running
- 13.- Pilot cars required
- 14.- Trucks will use turn-outs
- 15.- Signing on Carmel Valley Road at the Tassajara Road and Cachagua Road Intersections including notification of estimated weekly trips and road closures.
- 16.- Notification of weekly construction trips
- 17.- Notification of road closures
- 18.- Public outreach meeting required for both contractors prior to County approval of the CMP's.
- 19.- Signage will include phone number of traffic coordinator to report violations

Approved measures included in the CMP shall be implemented by the applicant during the Construction/ grading phase of the project.

**Compliance or
Monitoring
Action to be Performed:**

1. Prior to construction activities the Applicant/ Contractor shall prepare a CMP and shall submit the CMP to the RMA-Planning Department and the Department of Public Works for review and approval.
2. On-going through construction phases Applicant/ Contractor shall implement the approved measures during the construction/ grading phase of the project.

20. PWSP003 - ROAD MAINTENANCE AGREEMENT (NON-STANDARD)

Responsible Department: Public Works Department

Condition/Mitigation Monitoring Measure: In order to mitigate impacts to haul routes resulting from wear and tear generated by the additional truck traffic, the applicant shall enter into a Road Maintenance Agreement with the County of Monterey. The agreement with the County of Monterey shall include an annual maintenance schedule and specific maintenance measures, including and widening of the travel way and road shoulders as determined adequate to RMA-Public Works Department, to mitigate the wear and tear of the hauling route; and any other improvements necessary for the paved portion of the hauling route(s) during construction activities. The necessary improvements for the entire hauling route shall be determined by a "Road Surface Evaluation" prepared by a Licensed Civil Engineer or professional as required by the Department of Public Works.

Compliance or Monitoring Action to be Performed: The applicant shall enter into a Road Maintenance Agreement with the County of Monterey within 30 days of permit approval and prior to commencement of construction activities. The applicant shall submit a "Road Surface Evaluation" prepared by a licensed civil engineer or professional as required by the Department of Public Works, that identifies the necessary improvements for the entire hauling route. The Evaluation shall be submitted concurrently with the Road Maintenance Agreement.

21. MPMR001 - GEOLOGY AND SOILS

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
Qualified Geotechnical Engineer or Engineering Geologist will conduct pre-construction surveys for design specifications, develop slope stabilizing BMPs for design specifications, and implement appropriate BMPs in SWPPP (Appendix K of the 2008 Final EIR/S) such as, use matting or netting, mulch areas, seed after final grading, implement and maintain a revegetation program, adhere to permit requirements. A 10-year post-construction monitoring program will be executed.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor project construction area for compliance with design specifications, slope stability, implementation of BMPs, and with the post-construction monitoring program. Monitoring results will be reported to CCRWQCB, Monterey County RMA Planning Department, USACE, CDFG, USEPA and DWR.

TIMING

a) During construction, inspect daily in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, within 24-hours of each 0.5 inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies.

b) Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submits written report within 5 days. Noncompliance reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R of the 2008 Final EIR/S), to the U.S. EPA Emergency Response Branch, the Central Coast Regional Water Quality Control Board (CCRWQCB), and DWR.

c) Post-construction monitoring will be conducted for ten years, and reports will be submitted to the agencies monthly.

22. MMRP002 - GEOLOGY AND SOILS

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

Stabilize sediment slopes with rock and clean concrete, use in-situ treatments, construct channel to route storm flows. Implement erosion control methods and BMPs in SWPPP (Appendix K) including, no fill placed on canyon walls above river, use retaining walls, adequately size and locate erosion control facilities, use filter fabrics, berms, hay bales and other erosion control methods, construct spill and spoil areas to prevent silt and clay erosion, control surface drainage from cut, fill, borrow, and disposal areas. Inspect cut slopes to prevent slope failures and temporary wall rock raveling, use blasting mats to capture and direct rock debris, erect temporary walls adjacent to existing access road to contain blasted rock, permanently revegetate disturbed areas immediately after completing road improvements. If necessary, implement temporary revegetation and erosion control, install over-wintering protection to prevent undermining or washout, adhere to permit requirements.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor and maintain erosion control methods. Inspect cut slopes to prevent failure. Monitor project construction area for compliance with implementation of BMPs, and with the post-construction monitoring program. Monitoring results will be reported to CCRWQCB, Monterey County RMA Planning Department, USACE, CDFG, USEPA and DWR.

TIMING:

a) During construction, inspect daily in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, within 24-hours of each 0.5 inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies.

b) Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submit written report within 5 days. Noncompliance reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R of the 2008 Final EIR/S), to the U.S. EPA Emergency Response Branch, the Central Coast Regional Water Quality Control Board (CCRWQCB), and DWR.

c) Post-construction monitoring will be conducted for ten years, and reports will be submitted to the agencies monthly.

23. MMRP003 - GEOLOGY AND SOILS

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

Implement measures in the blasting plan such as controlling excessive vibration by limiting the size of charges and using charge delays. Follow procedures for safe storage, handling, loading, firing, and disposal of explosive materials. Implement blasting BMPs in the SWPPP (Appendix K of the 2008 Final EIR/S) including use of blasting mats and fabric barriers.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor compliance with blasting plan and report to Monterey County RMA Planning Department and DWR.

TIMING:

a) Monitor throughout blasting activities. Monthly monitoring reports will be submitted to Monterey County RMA Planning Department and DWR.

24. MMRP004 - HYDROLOGY AND WATER RESOURCES

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

To minimize geology and soils impacts, following sediment excavation, construct geomorphically stable channels through the reservoir to the confluence of the San Clemente Creek and Carmel River channels. Construct channels with dimensions necessary to convey flows and sediment loads. Form a relatively wide river/creek valley that generally follows the 1921 contours along the upper reaches of the river/creek. Create a bankfull and thalweg channels with limited grading of the existing alluvial deposits. The bankfull channel will be sized to hold a two-year event. The low-flow channel will pass median annual flows.

Implement bank stabilization measures including use of vegetative matter and plantings to limit erosion and sediment transport. A stream restoration plan will be prepared as part of final design for this alternative, and will include mitigation for the increase in sediment supply following construction. Revegetate the hillsides to reduce the long-term potential for sediment erosion as discussed in Appendix K of the 2008 Final EIR/S (SWPPP) and Appendix U of the 2008 Final EIR/S (Botanical Resources Management Plan). Even with implementation of these measures, the impact will remain significant and unavoidable.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

- a) Monitor compliance with design specifications, and report to CCRWQCB, USEPA, NMFS, CDFG, USFWS, Monterey County, and DWR.
- b) Monitor bank stabilization and erosion control measures and report to CCRWQB, Monterey County RMA Planning Department, USACE, CDFG, and DWR.
- c) Monitor compliance with revegetation and erosion control measures and report to CCRWQB, Monterey County RMA Planning Department, USACE, CDFG, and DWR.

TIMING:

- a) Monitor compliance with design specifications daily throughout construction. Submit monthly reports to agencies.
- b) Bank stabilization and erosion control measures will be monitored daily during construction in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, within 24-hours of each 0.5 inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies.
- c) Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submit written report within 5 days. Noncompliance reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R in the 2008 Final EIR/S), to the U.S. EPA Emergency Response Branch, the Central Coast Regional Water Quality Control Board (CCRWQCB), Monterey County RMA Planning Department and DWR.
- d) Post-construction monitoring will be conducted for ten years, and reports will be submitted to the agencies monthly.
- e) Revegetation monitoring will begin immediately following planting. Monitoring shall be conducted during years 1, 2, 3, and 5 following planting. For areas in which trees, saplings, poles, wands, or acorns are planted, monitoring shall also be conducted in the year 10 following planting. Reports will be submitted to the agencies after the conclusion of each annual monitoring period. A summary report will be submitted after year ten, the final year of monitoring.

25. MMRP006 - HYDROLOGY AND WATER RESOURCES

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
Both the reconstructed channel and the new bypass channel will be designed to allow fish passage. The design will include runs and pools that reflect a geomorphically stable channel and the passage requirements for the fish.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor compliance with design specifications, and report to CCRWQCB, USEPA, NMFS, CDFG, USFWS, Monterey County RMA Planning Department, and DWR.

TIMING:
Monitor compliance with design specifications daily throughout construction. Submit monthly reports to agencies.

26. MMRP007 - HYDROLOGY AND WATER RESOURCES

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
The point of diversion will be operated to maintain fish passage flows in Carmel River in January through May while also providing the necessary water supply to the downstream community. Additional mitigation for the change in the point of diversion may be added by the State Water Resources Control Board (SWRCB) during the permit process.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor compliance with operation of point of diversion and report to the SWRCB, NMFS, CDFG, USFWS, DWR and Monterey County RMA Planning Department.

TIMING:
Monitor compliance with fish passage flows daily January through May and report monthly to the agencies during this time period.

27. MMRP008 - WATER QUALITY

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
Implement erosion control and water quality protection and monitoring BMPs in SWPPP (Appendix K in 2008 Final EIR/S) including construct sediment barriers; use straw bales, silt fences, sandbags and water bars; adhere to permit requirements.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor compliance with erosion control and water quality protection measures and report to CCRWQB, Monterey County RMA Planning Department, USACE, CDFG, and DWR.

TIMING:

a) During construction, inspect daily in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, within 24-hours of each 0.5 inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies.

b) Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submit written report within 5 days. Reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R in 2008 Final EIR/S), to the U.S. EPA Emergency Response Branch and the CCRWQCB.

c) Post-construction monitoring will be conducted for ten years, and reports will be submitted to the agencies monthly.

28. MMRP009 - WATER QUALITY

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

Implement erosion control and water quality protection and monitoring BMPs in SWPPP (Appendix K in 2008 Final EIR/S) including use small catch basins, filter fabrics, tarps and straw bales, maintain and monitor erosion control methods for effectiveness, adhere to permit requirements. Revegetate stream margins with native species as specified in Botanical Resources Management Plan (Appendix U in 2008 Final EIR/S).

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor compliance with erosion control and water quality protection measures and report to CCRWQB, Monterey County, USACE, CDFG, and DWR.
Monitor revegetation plantings and report to Monterey County RMA Planning Department, CDFG, and DWR.

TIMING:

- a) During construction, inspect daily in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, within 24-hours of each 0.5 inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies.
- b) Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submit written report within 5 days. Reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R), to the U.S. EPA Emergency Response Branch and the CCRWQCB.
- c) Post-construction erosion control and water quality protection monitoring will be conducted for ten years, and reports will be submitted to the agencies monthly.
- d) During construction, conduct monitoring annually on all revegetated areas and areas identified for potential erosion and sedimentation problems; implement monitoring immediately following planting; monitor during years 1,2,3, and 5 following planting; for areas in which trees, saplings, poles, wands, or acorns are planted, also monitor in year 10 following planting.
- e) Revegetation monitoring reports will be submitted to the agencies after the conclusion of each annual monitoring period. A summary report will be submitted after year ten, the final year of monitoring.

29. MMRP010 - WATER QUALITY

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
Implement erosion control and water quality BMPs and monitoring methods in the SWPPP and SPCC (Appendices K and R in 2008 Final EIR/S) including refuel construction equipment and vehicles in designated area where spills can be contained, store fuels in double- contained areas capable of storing 150 percent of fuel volume, conduct truck and cement washdown outside the high water mark area, check and maintain equipment operated within high water mark to prevent leaks, daily remove litter and debris and properly dispose of, store all construction equipment in staging area at end of each day, adhere to permit requirements. Vehicles containing over 150 gallons of fuel will have a spill prevention plan and spill cleanup materials.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor compliance with erosion control and water quality protection measures and report to CCRWQB, Monterey County RMA Planning Department, USACE, CDFG, and DWR.

TIMING:

a) During construction, inspect daily in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, within 24-hours of each 0.5 inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies.

b) Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submit written report within 5 days. Reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R in 2008 Final EIR/S), to the U.S. EPA Emergency Response Branch and the CCRWQCB.

c) Post-construction monitoring will be conducted for one year, and reports will be submitted to the agencies monthly.

30. MMRP011 - WATER QUALITY

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
Implement provisions of SWPPP (Appendix K) including designing pipeline for rapid transport of water around construction site and to minimize water heating; use white or reflective paint on pipeline; monitor stream temperatures, dissolved oxygen, and turbidity for NMFS and CDFG steelhead requirements; mix bypass flow with water from the upstream well point field if water temperatures in the Carmel River exceed criteria; adhere to permit conditions.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor compliance with water quality protection measures and report to CCRWQB, Monterey County RMA Planning Department, USACE, CDFG, and DWR.

TIMING:

a) Daily monitor stream temperatures, D.O., and turbidity to meet NMFS and CDFG steelhead requirements. During construction: inspect daily in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, within 24-hours of each 0.5 inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies.

b) Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submit written report within 5 days. Reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R in 2008 Final EIR/S), to the U.S. EPA Emergency Response Branch and the CCRWQCB.

31. MMRP012 - WATER QUALITY

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
Install energy dissipation structures where bypassed project water is discharged to prevent scouring, sedimentation and turbidity; adhere to permit requirements.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor compliance with erosion control and water quality protection measures and report to CCRWQB, Monterey County RMA Planning Department, USACE, CDFG, and DWR.

TIMING:

a) During construction, inspect daily in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, within 24-hours of each 0.5 inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies.

b) Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submit written report within 5 days. Reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R in 2008 Final EIR/S), to the U.S. EPA Emergency Response Branch and the CCRWQCB.

32. MMRP013 - WATER QUALITY

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
Implement erosion control and water quality protection and monitoring BMPs in SWPPP (Appendix K in 2008 Final EIR/S) including, use filter cloths or other fabric barriers, remove sand-sized and finer construction fill, and angular crushed rock, and dispose offsite at an appropriate location, adhere to permit conditions.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor compliance with erosion control and water quality protection measures and report to CCRWQB, Monterey County RMA Planning Department, USACE, CDFG, and DWR.

TIMING:

a) During construction, inspect daily in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, within 24-hours of each 0.5-inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies.

b) Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submit written report within 5 days. Reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R in 2008 Final EIR/S), to the U.S. EPA Emergency Response Branch and the CCRWQCB.

33. MMRP014 - WATER QUALITY

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

Implement erosion control and water quality protection and monitoring BMPs in SWPPP (Appendix K in 2008 Final EIR/S) including use settling basin and sedimentation tank located above ordinary high water zone, monitor discharge and receiving waters, return only clear water to stream, dispose of settled solids at appropriate site, discontinue discharge if effluent water quality doesn't meet criteria, implement additional filtration if necessary, adhere to all permit conditions.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor compliance with erosion control and water quality protection measures and report to CCRWQB, Monterey County RMA Planning Department, USACE, CDFG, and DWR.

TIMING:

a) During construction, inspect daily in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, within 24-hours of each 0.5 inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies.

b) Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submit written report within 5 days. Reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R in 2008 Final EIR/S), to the U.S. EPA Emergency Response Branch and the CCRWQCB:

c) Conduct post-construction monitoring until all water is discharged, settled solids are disposed of appropriately, and the settling basins are removed.

34. MMRP015 - WATER QUALITY

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

Use settling basins and filtration systems to treat ground and surface water pumped from reservoir before water is discharged to the Carmel River. Even with implementation of this measure, the impact will remain significant and unavoidable.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor compliance with water quality protection measures and report to CCRWQB, Monterey County RMA Planning Department, USACE, CDFG, and DWR.

TIMING:

Monitor daily during reservoir drawdown.

35. MMRP016 - WATER QUALITY

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

Implement erosion control and water quality protection and monitoring BMPs in SWPPP (Appendix K in 2008 Final EIR/S) including, use small catch basins, filter fabrics, tarps and straw bales. Use filter cloths or other fabric barriers, remove sand-sized, and finer construction fill, and angular crushed rock, and dispose offsite at an appropriate location. Refuel construction equipment and vehicles in designated area where spills can be contained; store fuels in double-contained areas capable of storing 150 percent of fuel volume. Conduct truck and cement washdown outside of high water mark, check and maintain equipment operated within high water mark to prevent leaks. Daily remove litter and debris and dispose of properly, store all construction equipment in staging area at end of each day. Vehicles containing over 150 gallons of fuel will have a spill prevention plan and spill cleanup materials. Adhere to all permit conditions.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor compliance with erosion control and water quality protection measures and report to CCRWQB, Monterey County RMA Planning Department, USACE, CDFG, and DWR.

TIMING:

a) During construction, inspect daily in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, within 24-hours of each 0.5 inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies.

b) Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submit written report within 5 days. Reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R in 2008 Final EIR/S), to the U.S. EPA Emergency Response Branch and the CCRWQCB.

c) Post-construction monitoring will be conducted for one year, and reports will be submitted to the agencies monthly.

36. MMRP017 - WATER QUALITY

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

Implement appropriate erosion control and water quality protection and monitoring BMPs in SWPPP and SPCC (Appendices K and R in 2008 Final EIR/S) including: use straw bales, silt fences, sandbags and water bars, small catch basins, filter cloths or other fabric barriers, and tarps to prevent sediment, other particulate matter and chemicals from entering the Carmel River or other surface and groundwater resources.

Use blasting mats, as appropriate, and place fabric barriers on the ground in active construction and demolition areas to catch sediment and cement debris. Contractor will store fuel, petroleum products, potentially hazardous materials and raw materials in secondary containment structures in the construction yard. Construction yard will be at least 100 ft from the edge of all water bodies, 200 ft from all groundwater wells and 400 ft from all public wells. Bulk storage tanks will not be placed in areas subject to flooding or erosion. Restrict refueling, maintenance of construction equipment, and transfer of materials to cement mixer trucks to upland areas at least 100 ft from the edge of all water bodies and 150 ft from any water supply wells. Only the Environmental Inspector can approve refueling or transfer of materials within the restricted areas.

Fuel and service truck drivers shall be responsible for controlling fuel operations, material transfers and spill prevention. A containment vessel and plastic sheeting will be placed under equipment before materials are removed or transferred. Equipment operators will be responsible for immediately reporting and mitigating spills. Contractor will maintain sufficient (at least 20 pounds) commercial absorbent and barrier materials at each construction yard. Equipment carrying over 150 gallons of fuel will carry individual spill prevention plans and will either carry materials sufficient to contain and clean up spills that may occur in transit or will be followed by a vehicle carrying sufficient response materials. All spills will be contained and cleaned up as soon as possible.

Equipment will not be washed in any waterbody; at the end of each day, all construction equipment will be moved to the staging area above the high water mark. Litter and debris below the high watermark will be removed and appropriately disposed of daily; all other litter, debris, unused raw materials, equipment and supplies will be removed from the staging area at the end of the construction season.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor compliance with erosion control and water quality protection measures and report to CCRWQB, Monterey County RMA Planning Department, USACE, CDFG, and DWR.

TIMING:

a) During construction, inspect daily in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, within 24-hours of each 0.5 inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies.

b) Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submit written report within 5 days. Reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R in 2008 Final EIR/S), to the U.S. EPA Emergency Response Branch and the CCRWQCB.

37. MMRP018 - WATER QUALITY

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

Implement BMPs in the SWPPP including stabilizing sediment slopes and disturbed areas with sediment barriers, straw mulch and silt fences, providing sediment collection features such as silt bales and sandbags, establishing sediment traps along toe of the pile and other disturbed areas, monitoring erosion control methods for effectiveness and maintaining methods throughout construction operations, distributing a 2-foot layer of organic soil on sediment slope at the end of construction operations and seed, annually monitoring effectiveness of erosion protection methods in bypassed arm of Carmel River at the end of each rainy season for a period of 10 years, repairing or improving any erosion problems prior to the following rainy season using methods such as reinforcing sediment pile with rock and/or additional revegetation with native plants or trees.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor compliance with sediment slope stabilization, erosion control and water quality protection measures and report to CCRWQB, Monterey County, USACE, CDFG, and DWR.
Monitor compliance with revegetation measures and report to CCRWQB, Monterey County RMA Planning Department, USACE, CDFG, and DWR.

TIMING:

a) Slope stabilization, erosion control and water quality protection measures will be monitored daily during construction in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, within 24-hours of each 0.5 inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies.

b) Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submit written report within 5 days. Noncompliance reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R in 2008 Final EIR/S), to the U.S. EPA Emergency Response Branch, the Central Coast Regional Water Quality Control Board (CCRWQCB), and DWR.

c) Post-construction monitoring will be conducted for ten years, and reports will be submitted to the agencies monthly.

d) Revegetation monitoring will begin immediately following planting. Monitoring shall be conducted during years 1, 2, 3, and 5 following planting. For areas in which trees, saplings, poles, wands, or acorns are planted, monitoring shall also be conducted in the year 10 following planting. Reports will be submitted to the agencies after the conclusion of each annual monitoring period. A summary report will be submitted after year ten, the final year of monitoring.

38. MMRP019 - WATER QUALITY

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

Implement BMPs in SWPPP and SPCC including installation of small catch basins, filter traps, tarps, or straw bale barriers. Refuel construction equipment and vehicles in paved, bermed, designated areas; store fuel in double-contained areas capable of holding 125 percent of the volume of fuel being stored. Conduct truck and cement equipment wash-down outside of ordinary channel high water mark. Check and maintain equipment daily to prevent leaks of fuel, lubricants, or other fluids to the stream. Remove litter and construction debris from within the high water mark daily and dispose of appropriately; remove litter and construction debris outside the high water mark at end of construction season. Move all construction equipment to staging area to prevent accidental spills; vehicles carrying over 150 gallons of fuel will have a spill prevention plan and materials required to clean up a spill. Use filter cloth or other fabric barrier placed on ground of active construction area to catch fine sediments, dispose of sand-sized and finer construction fill and any angular crushed rock at an appropriate off-site location. Use blasting mats to catch and direct flying rock and debris; dispose of blasted material at appropriate on-site location in Carmel River arm of reservoir.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor compliance with erosion control and water quality protection measures and blasting measures and report to CCRWQB, Monterey County RMA Planning Department, USACE, CDFG, and DWR.

TIMING:

- a) Compliance with the Blasting Plan will be monitored throughout blasting activities.
- b) Erosion control and water quality protection measures will be monitored daily during construction in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, within 24-hours of each 0.5 inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies.
- c) Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submit written report within 5 days. Noncompliance reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R in 2008 Final EIR/S), to the U.S. EPA Emergency Response Branch, the Central Coast Regional Water Quality Control Board (CCRWQCB), Monterey County RMA Planning Department and DWR.

39. MMRP020 - FISHERIES

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
Limit tree and limb removal, implement measures to prevent roadfill from entering streams, revegetate streambanks, implement measures in SWPPP and Botanical Resources Management Plan (Appendices K and U in 2008 Final EIR/S). Use blasting mats and temporary walls to prevent rock fall and debris from entering river, implement BMPs to minimize sedimentation and turbidity, place roadfill on fabric or rubber liner, face roadfill with boulders or riprap sized too large for river to move during flood flows, implement erosion control and road drainage plan to eliminate aquatic impacts due to sedimentation and turbidity, revegetate disturbed areas. In the event of forecasted heavy participation, all temporary erosion control devices needing repair or installation will be immediately installed or repaired.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor compliance with tree removal erosion control and water quality protection measures, and compliance with Blasting Plan and report to CCRWQB, Monterey County RMA Planning Department, USACE, CDFG, and DWR.
Monitor compliance with revegetation measures and report to CCRWQB, Monterey County RMA-Planning Department, USACE, CDFG, and DWR.

TIMING:

- a) Compliance with the Blasting Plan will be monitored throughout blasting activities.
- b) Throughout construction, for erosion control, water quality protection and in temporary and permanent revegetated areas, inspect daily in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, in all areas within 24-hours of each 0.5-inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies.
- c) Environmental Inspector will document all inspections in Environmental Daily Inspection Report Verbally report noncompliance within 24 hours from time applicant is first aware of aware of the circumstance and submit written report within 5 days. Reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R in 2008 Final EIR/S), to the U.S. EPA Emergency Response Branch, and the CCRWQCB.
- d) Post-construction monitoring will be conducted for ten years, and reports will be submitted to the agencies monthly.
- e) Revegetation monitoring will begin immediately after planting. Following planting, monitoring will be conducted during years 1, 2, 3, and 5. For areas in which trees, saplings, poles, wands, or acorns are planted, monitoring will also be conducted in the year 10 following planting. Reports will be submitted to the agencies after the conclusion of each annual monitoring period. A summary report will be submitted after the final year of monitoring.

40. MMRP021 - FISHERIES

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

To minimize impacts, fish will be captured from affected reaches and relocated to sections of the Carmel River that would support them. Fish will be rescued by using block nets, seines and dip nets. Backpack electrofishing units will be used if bottom topography makes use of nets ineffective. Electrofishing would follow guidelines established by NMFS (2000).

Streamflow from the Carmel River upstream of SCD will be directed into flex pipes and inflowing water would be diverted around the plunge pool and the section of river to be dewatered. Once flow is diverted out of the channel, water levels would be reduced in the plunge pool and other sections of the river by pumping. Once water levels are lowered in a section of river, a fish rescue will begin and will continue until all possible fish are removed from the dewatered reach. Fish rescue will be completed prior to complete dewatering of a reach. Crews will search for stranded fish during the final phases of dewatering. Captured fish will be temporarily held in aerated coolers for transport. Rescued fish will be transported downstream and released into the Carmel River near the Carmel Valley Filter Plant or moved to the SHSRF if rearing capacity in the downstream release site is already at maximum capacity. Water quality would be protected during construction by implemented measures in the SWPPP. Other mitigation measures provided by CDFG and NMFS will be adopted as specified.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor fish capture and relocation efforts especially in terms of compliance with permit conditions and report to CDFG, USFWS, NMFS, CCRWQB, Monterey County RMA Planning Department and DWR. Monitor compliance with water quality protection measures and report to CCRWQB, Monterey County RMA Planning Department, USACE, CDFG, and DWR.

TIMING:

a) Monitor fish capture and relocation efforts, daily, during water diversion and report to the agencies as specified in permits.

b) Compliance with water quality protection BMPs, will be inspected daily in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, within 24-hours of each 0.5 inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies.

c) Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submit written report within 5 days. Reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R in 2008 Final EIR/S), to the U.S. EPA Emergency Response Branch and the CCRWQCB.

41. MMRP022 - FISHERIES

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: **MITIGATION MEASURE:**
To minimize impacts on biological resources, fish traps will be installed upstream of diversion points to capture downstream migrating fish so they can be transported around the diversion and continue downstream. Fish will be rescued from the diversion sites prior to constructing the diversion structures. Once the sheet piles are installed and the diversion pipes connected, water would be diverted into the pipes. Flow in the river channel downstream of the diversion will be reduced and the reduction in flow would facilitate fish rescues. A fish rescue would occur in the Carmel River and San Clemente Creek channels between the diversion point and the reservoir. Block nets would be set near the mouth of each stream to prevent fish from moving upstream of the reservoir. Once all fish are rescued from the channels, all flow would be directed into the bypass pipes. Other mitigation measures provided by CDFG and NMFS will be adopted as specified.

Compliance or Monitoring Action to be Performed: **ACTION:**
Monitor fish capture and relocation efforts especially in terms of compliance with permit conditions and report to CDFG, USFWS, NMFS, CCRWQB, DWR and Monterey County RMA Planning Department.

TIMING:
Monitor fish capture and relocation efforts, daily, during water diversion and report to the agencies as specified in permits.

42. MMRP023 - FISHERIES

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: **MITIGATION MEASURE:**
During reservoir dewatering, nets will be installed across the channels leading into the reservoir to prevent fish from swimming upstream into the Carmel River and San Clemente Creek. A fish rescue will occur in the reservoir during drawdown. Fish will be captured using large and small seines and dip nets. Backpack electrofishing units will be used if needed. Electrofishing would follow guidelines established by NMFS (2000). Rescued fish will be relocated to other suitable habitat downstream of OCRD in the Carmel River. During dewatering, water quality in the river would be protected by implementing measures in the SWPPP and SPCC (Appendices K and R). Other mitigation measures provided by CDFG and NMFS will be adopted as specified.

Compliance or Monitoring Action to be Performed: **ACTION:**
Monitor fish capture and relocation efforts especially in terms of compliance with permit conditions and report to CDFG, USFWS, NMFS, CCRWQB, and DWR. Monitor compliance with water quality protection measures and report to CCRWQB, Monterey County, USACE, CDFG, DWR and Monterey County RMA Planning Department.

TIMING:
a) Monitor fish capture and relocation efforts, daily, during water diversion and report to the agencies as specified in permits.

b) Compliance with water quality protection BMPs, will be inspected daily in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, within 24-hours of each 0.5 inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies.

c) Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submit written report within 5 days. Reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R in 2008 Final EIR/S), to the U.S. EPA Emergency Response Branch and the CCRWQCB.

43. MMRP024 - FISHERIES

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

To minimize impacts on biological resources, fish rescue and relocation will be implemented. To control turbidity caused by construction near roads, stream crossings and bridges, implement erosion control methods and BMPs in SWPPP (Appendix K in 2008 Final EIR/S) including: Place no fill on canyon walls above river; use retaining walls; adequately size and locate erosion control facilities; use filter fabrics, berms, hay bales and other erosion control methods; monitor and maintain erosion control methods throughout implementation period; construct spill and spoil areas to prevent silt and clay erosion; control surface drainage from cut, fill, borrow, and disposal areas; inspect cut slopes to prevent slope failures and temporary wall rock raveling; use blasting mats to capture and direct rock debris; erect temporary walls adjacent to existing access road to contain blasted rock; permanently revegetate disturbed areas immediately after completing road improvements; if necessary, implement temporary revegetation and erosion control; install over-wintering protection to prevent undermining or washout.

To mitigate turbidity impacts during reservoir construction activities: moderate rate of reservoir drawdown by routing reservoir inflow through a pipeline; dewater reservoir to 510 feet then open lower level valve; regulate releases into lower river to minimize turbidity impacts; use mobile filter plant to treat highly turbid water before releasing to river.

River temperatures downstream of dam should not increase by more than 1 to 2 degrees Celsius over water temperature upstream of the sheet-pile water diversion. To mitigate temperature impacts: schedule reservoir dewatering during cool part of year and during night and early part of day; as water level lowers and surface temperature rises, switch from surface releases to release from well points; reduce thermal loading in diversion pipes by placing pipes in shaded locations, burying pipe under a sand layer, covering with burlap or shade cloth, or painting pipe white if it cannot be shaded.

To mitigate dissolved oxygen impacts: aerate water as it leaves the diversion pipes or use a mechanical aerator prior to releasing water into river; during reservoir drawdown, employ mechanism to aerate water as it descends from dam into the river; aerate water pumped from reservoir or released from well points prior to discharge into river.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor fish capture and relocation efforts especially in terms of compliance with permit conditions and report to CDFG, USFWS, NMFS, CCRWQB, Monterey County RMA Planning Department and DWR. Monitor compliance with water quality protection measures and report to CCRWQB, Monterey County RMA Planning Department, USACE, CDFG, and DWR.

TIMING:

a) Monitor fish capture and relocation efforts, daily, during water diversion and report to the agencies as specified in permits.

b) Erosion control and water quality protection measures will be monitored daily during construction in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, within 24-hours of each 0.5 inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies. Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submit written report within 5 days. Noncompliance reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R in 2008 Final EIR/S), to the U.S. EPA Emergency Response Branch, the Central Coast Regional Water Quality Control Board (CCRWQCB), Monterey County RMA Planning Department and DWR.

44. MMRP025 - FISHERIES

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
Minimum flows are addressed in the current MOU between MPWMD, CDFG, NFMS, and CAW and are based on available upstream storage in Los Padres Reservoir, the water year type and water demand. A similar plan will be developed for this project in conjunction with NMFS Fisheries, CDFG, SWRCB, and the MPWMD. The plan will provide flows for steelhead habitat in the reach of the river affected by the new point of diversion. The point of diversion will be operated to maintain fish passage flows in Carmel River in January through May while also providing the necessary water supply to the downstream community. Additional mitigation for the change in the point of diversion may be added by the State Water Resources Control Board (SWRCB) during the permit process.

Compliance or Monitoring Action to be Performed: ACTON:
Monitor compliance with operation of point of diversion and report to the SWRCB, NMFS, CDFG, USFWS, DWR and Monterey County RMA Planning Department.

TIMING:
Monitor compliance with fish passage flows daily January through May and report monthly to the agencies during this time period.

45. MMRP026 - FISHERIES

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

Construct new channel for the Carmel River, channel configuration will include approximately 300 feet through the bypass and 2,200 feet in the existing San Clemente Creek arm. Restoration activities will include excavation and placement of gravel, cobble, and boulder materials salvaged during sediment removal. Construction of the new Carmel River channel will be geomorphically designed based on flow capacity requirements, gradient, and valley width of the Carmel River. Habitat in restored channels will be revegetated with native trees and shrubs according to Appendix U in 2008 Final.EIR/S. Other mitigation measures provided by CDFG, NMFS, the CCRWQCB, Monterey County RMA Planning Department, DWR USACE, and the MPWMD will be implemented as specified.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Before construction begins, channel design will be approved by DWR's DSOD to determine consistency with dam safety criteria.

The approved design will be submitted to CDFG, NMFS, CCRWQB, Monterey County RMA Planning Department, USACE, and the MPWMD.

Monitor compliance with channel construction design specifications, tree and vegetation removal, vegetation protection measures, erosion control and water quality protection measures, revegetation specifications, and new channel habitat function and report to CDFG, NMFS, the CCRWQCB, Monterey County RMA Planning Department, USACE, MPWMD and DWR.

TIMING:

a) Before construction begins, channel design will be approved by DWR's DSOD to determine consistency with dam safety criteria, and the approved design will be submitted to CDFG, NMFS, CCRWQB, Monterey County RMA Planning Department, USACE, and the MPWMD.

b) Monitor activities daily during construction for compliance with vegetation protection measures and to determine construction-related tree and vegetation removal impacts. During construction, conduct monitoring annually on all revegetated areas and areas identified for potential erosion and sedimentation problems; implement monitoring immediately following planting; monitor during years 1,2,3, and 5 following planting; for areas in which trees, saplings, poles, wands, or acorns are planted, also monitor in year 10 following planting.

c) Revegetation reports will be submitted to the agencies after the conclusion of each annual monitoring period. A summary report will be submitted after year ten, the final year of monitoring.

d) Throughout construction, for erosion control, water quality protection and temporary and permanent revegetated areas inspect as follows: inspect daily in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, in all areas within 24-hours of each 0.5 inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies.

e) Environmental Inspector shall document all inspections in Environmental Daily Inspection Report. Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submit written report within 5 days. Reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R in 2008 Final EIR/S), to the U.S. EPA Emergency Response Branch and the CCRWQCB.

f) Post-construction monitoring for erosion control and water quality protection measures will be conducted for ten years, and reports will be submitted to the agencies monthly.

g) Assessment of new channel habitat function and any requirements for additional channel habitat improvements will be coordinated with CDFG, NMFS, the CCRWQCB, Monterey County RMA Planning Department, USACE, MPWMD and DWR.

46. MMRP027 - FISHERIES

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
To offset poor water quality at the Sleepy Hollow Steelhead Rearing Facility, during construction and operations into the future, an alternative supply, such as from the Russell Wells, will be provided.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor water quality and report to MPWMD, CCRWQCB, DWR and Monterey County RMA Planning Department.

TIMING:
Throughout construction and during future operations, from early summer to winter or late spring, monitor water quality daily during active construction, equipment operation or future project-related operations. Submit monthly reports to agencies.

47. MMRP028 - VEGETATION AND WILDLIFE

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
Avoid populations of CNPS List 4 plant species to the extent possible

Compliance or Monitoring Action to be Performed: ACTION:
Report any losses to CNPS List 4 species to CDFG, Monterey County RMA Planning Department and DWR.

TIMING:
During construction.

48. MMRP029 - VEGETATION AND WILDLIFE

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
Confine access improvement activities to north side of existing road; fence blue oak stand on south side of road to prevent construction encroachment. Implement measures in Botanical Resources Management Plan (Appendix U) including: under supervision of a qualified botanist, replace up to half the removed oaks with seedlings or potted oaks at 3:1 ratio; replant trees that don't survive; derive all plant material from Carmel Valley area oak populations. To ensure long-term survival, take remedial action such as irrigation or protection from browsing animals per Monterey County Code Title 16, Chapter 16.6; provide or acquire a conservation easement sufficient to mitigate at least half the oak tree loss per Monterey County Code. Adhere to all permit conditions.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor compliance with vegetation protection measures and report to Monterey County RMA Planning Department, CDFG, and DWR.
Monitor revegetation plantings and report to Monterey County RMA Planning Department, CDFG, and DWR.

TIMING:
a) Monitor activities daily during construction for construction encroachment impacts. During construction, conduct monitoring annually on all revegetated areas and areas identified for potential erosion and sedimentation problems; implement monitoring immediately following planting; monitor during years 1,2,3, and 5 following planting; for areas in which trees, saplings, poles, wands, or acorns are planted, also monitor in year 10 following planting.

b) Reports will be submitted to the agencies after the conclusion of each annual monitoring period. A summary report will be submitted after year ten, the final year of monitoring.

49. MMRP030 - VEGETATION AND WILDLIFE

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

Design project features to minimize loss of native vegetation; limit damage to roots of trees; implement erosion and sedimentation control methods; minimize alteration of flows and subsequent bank erosion; limit dust deposition on roadside vegetation; avoid alteration of hydrology supporting riparian forest habitat on adjacent floodplain; irrigate alders on reservoir fringe during reservoir dewatering; irrigate riparian vegetation above bypass outflow. Implement pre-construction and construction BMPs; all personnel involved in project shall attend environmental training addressing erosion and sediment control requirements, proper clearing and grading methods, and importance of protecting vegetation resources. To the maximum extent possible, use existing disturbed area or areas of annual grassland as a staging area; use fencing to prevent encroachment of vehicles or other project activity into native habitat or into the dripline of native trees outside of designated areas.

Under supervision of a qualified botanist, replace up to half the removed oaks with seedlings or potted oaks at 3:1 ratio; replant trees that don't survive; derive all plant material from Carmel Valley area oak populations. To ensure long-term survival, take remedial action such as irrigation, or protection from browsing animals per MCC Title 16, Chapter 16.6. Provide or acquire a conservation easement sufficient to mitigate at least half the oak tree loss per Monterey County Code.

Implement measures in the Botanical Resources Management Plan (Appendix U in 2008 Final EIR/S); adhere to permit requirements.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

a) Monitor compliance with vegetation protection measures and report to Monterey County RMA Planning Department, CDFG, and DWR.

b) Monitor revegetation plantings and report to Monterey County RMA Planning Department, CDFG, and DWR.

TIMING:

a) During construction, conduct monitoring annually on all revegetated areas and areas identified for potential erosion and sedimentation problems; implement monitoring immediately following planting; monitor during years 1,2,3, and 5 following planting; for areas in which trees, saplings, poles, wands, or acorns are planted, also monitor in year 10 following planting.

b) Reports will be submitted to the agencies after the conclusion of each annual monitoring period. A summary report will be submitted after year ten, the final year of monitoring.

c) Throughout construction, for erosion control, water quality protection and temporary and permanent revegetated areas inspect as follows: inspect daily in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, in all areas within 24-hours of each 0.5 inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies.

d) Environmental Inspector shall document all inspections in Environmental Daily Inspection Report. Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submit written report within 5 days. Reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R in 2008 Final EIR/S), to the U.S. EPA Emergency Response Branch and the CCRWQCB.

e) Post-construction monitoring will be conducted for ten years, and reports will be submitted to the agencies monthly.

50. MMRP031 - VEGETATION AND WILDLIFE

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

Implement erosion and sedimentation control BMPs in SWPPP (Appendix K in 2008 Final EIR/S) for all grading, filling, vegetation clearing or excavating; design road widening to avoid placing fill above canyon walls; with a qualified hydrologist, design all road widening and improvements to avoid or minimize alteration of existing drainage patterns; employ appropriate erosion control technology; conduct construction work during dry season; avoid excavation and operation of construction vehicles within tree driplines; implement dust control measures including watering unpaved access roads; with qualified revegetation specialist, revegetate disturbed areas with seed mix containing as high a percentage of native seeds as possible; implement remedial actions if revegetation is unsuccessful or if significant erosion and sedimentation is observed during monitoring; implement strategies in Botanical Resources Management Plan (Appendix U in 2008 Final EIR/S); adhere to all permit conditions.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor compliance with vegetation protection measures and erosion and sediment control BMPs and report to Monterey County RMA Planning Department, CDFG, CCRWQCB, and DWR. Monitor revegetation plantings and report to Monterey County RMA Planning Department, CDFG, and DWR.

TIMING:

- a) During construction, conduct monitoring annually on all revegetated areas and areas identified for potential erosion and sedimentation problems; implement monitoring immediately following planting; monitor during years 1,2,3, and 5 following planting; for areas in which trees, saplings, poles, wands, or acorns are planted, also monitor in year 10 following planting.
- b) Reports will be submitted to the agencies after the conclusion of each annual monitoring period. A summary report will be submitted after year ten, the final year of monitoring.
- c) Throughout construction, for erosion control, water quality protection and temporary and permanent revegetated areas inspect as follows: inspect daily in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, in all areas within 24-hours of each 0.5 inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies.
- d) Environmental Inspector shall document all inspections in Environmental Daily Inspection Report. Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submit written report within 5 days. Reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R in 2008 Final EIR/S), to the U.S. EPA Emergency Response Branch, and the CCRWQCB.
- e) Post-construction monitoring will be conducted for ten years, and reports will be submitted to the agencies monthly.

51. MMRP032 - VEGETATION AND WILDLIFE

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
Conduct preconstruction surveys followed by consultation with agencies. Other measures include establishing buffer zones or installation of exclusion barriers under the supervision of a qualified bat biologist. If possible, schedule structure removal after juvenile bats are weaned and capable of flight as determined by a qualified bat biologist.

Compliance or Monitoring Action to be Performed: ACTION:
Report preconstruction survey results to CDFG, USFWS, DWR and Monterey County RMA Planning Department.

TIMING:
Report survey results to the agencies immediately upon survey completion.

52. MMRP033 - VEGETATION AND WILDLIFE

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
To minimize on biological resources, conduct pre-construction surveys; rescue and relocate CRLF, western pond turtle, and other aquatic special-status species; erect barrier to prevent movement of frogs back into work area; have biological monitor accompany crew during excavation and installation of barrier to prevent harm to species active along barrier route; restore CRLF habitat sites; implement CRLF Population Monitoring and Bullfrog Eradication Program in cooperation with the USFWS and CDFG. Capture and relocate western pond turtles to nearby downstream ponds or pools; erect construction fencing to prevent turtles from returning to construction area. For duration of cofferdam construction, use biological monitor to facilitate safe removal and relocation of special-status species such as CRLF, western pond turtles, and two-striped garter snake. Two-striped garter snakes will be relocated at least one-quarter mile downstream to prevent predation on other special status species. Implement provisions in Appendix V (Protection Measures for Special-Status Species). Other mitigation measures provided by CDFG and USFWS will be adopted as specified.

Compliance or Monitoring Action to be Performed: ACTION:
Report results of preconstruction surveys to CDFG, USFWS, DWR and Monterey County RMA Planning Department.
Monitor rescue and relocation, and bullfrog eradication activities and report results to CDFG, USGWS, DWR and Monterey County RMA Planning Department.

TIMING:
Report results of preconstruction surveys immediately after completion. Report encounters with special-status species to authorized biologists; report finding dead or injured special-status species to CDFG and USFWS within 3 days. Within 60 days of completing construction activities for the season, submit special-status species report.

53. MMRP034 - VEGETATION AND WILDLIFE

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
Conduct protocol-level surveys for California red-legged frog, and other special-status aquatic species on Carmel River to about one-half mile downstream of the Old Carmel River Dam; if work on dam is interrupted for more than two weeks, repeat initial surveys; notify USFWS if CRLF are observed; USFWS-approved biologist will capture and relocate CRLF to nearby, suitable habitat; if necessary, survey and relocation programs will be modified to comply with USFWS Biological Opinion; consult with USFWS if other special-status species are located; adhere to permit conditions.

Compliance or Monitoring Action to be Performed: ACTION:
Report results of protocol-level surveys to CDFG, USFWS, DWR and Monterey County RMA Planning Department.
Monitor rescue and relocation, and bullfrog eradication activities and report results to CDFG, USGWS, DWR and Monterey County RMA Planning Department.

TIMING:
Report results of preconstruction surveys immediately after completion; comply with monitoring and reporting schedule as specified in the USFWS Biological Opinion and CDFG consultation.

54. MMRP035 - VEGETATION AND WILDLIFE

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
Conduct vegetation removal between Sept. 15 and Feb. 1. If any vegetation removal must be conducted between Feb. 1 and Sept. 15, protocol-level pre-construction surveys for breeding birds will be conducted by a qualified wildlife biologist. The project applicant and qualified wildlife biologist will coordinate specific survey details with CDFG and the USFWS before any vegetation removal or construction occurs. If active nests are found, CDFG, and the USFWS will be contacted. Nests of fully protected species will be protected by a one-half mile no disturbance buffer, CDFG and USFWS will determine buffers for other species. Nests will be monitored by a qualified wildlife biologist until the young have fledged and are no longer dependent on parental care for survival. Other mitigation measures provided by CDFG and USFWS will be adopted as specified. Measures will be incorporated into the project as required by the agencies with regulatory authority over the species.

ENFORCEMENT ENTITY:
USFWS, CCRWQCB, CDFG, DWR and Monterey County RMA Planning Department

Compliance or Monitoring Action to be Performed: ACTION:
Report results of preconstruction surveys to CDFG, USFWS, Monterey County, and DWR. Monitor vegetation removal. If removal must occur outside of the September 15 through February 1 period, coordinate with the regulatory agencies, conduct additional surveys, and report results to CDFG, USFWS, Monterey County RMA Planning Department, and DWR. Nest surveys will be coordinated with the CDFG and USFWS; nest survey results will be reported to CDFG and USFWS.

TIMING:
Report results of all surveys immediately after completion. Report encounters with special-status species and protected birds to CDFG and USFWS; report finding dead or injured special-status species and birds within 3 days to CDFG and USFWS. Coordinate nesting surveys and buffer zones with CDFG and USFWS and report as required by these agencies. Within 60 days of completing construction activities for the season, submit special-status species report; comply with monitoring and reporting schedule as specified by USFWS and CDFG.

55. MMRP036 - VEGETATION AND WILDLIFE

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

Minimize tree removal to number necessary to allow construction access; use GPS to map and flag known active woodrat nests along route; conduct surveys to identify other active woodrat nests; plan routes to avoid woodrat nests; have bat expert conduct preconstruction surveys of rock outcrops and other formations to determine presence of possible roosts; use GPS to map roosts; route construction to avoid roosts; implement erosion and sedimentation control BMPs (SWPPP, Appendix K in 2008 Final EIR/S) to avoid and minimize impacts to CRLF, foothill yellow-legged frogs, western pond turtles and two-striped garter snake along Carmel River; in wet conditions, do daily surveys in wet conditions at Bridge 529 and all drainage crossings, move sensitive species to suitable locations, conduct rescue and relocation according to agency protocols. Conduct surveys for California Tiger Salamander (CTS), maintain 50-ft buffer around potential burrows, if working at night, project-related traffic will be escorted during rainy or wet conditions. Obtain Incidental Take Permit if necessary. Other mitigation measures provided by CDFG and USFWS will be adopted as specified. Implement strategies in the Protection Measures for Special-status Species (Appendix V in 2008 Final EIR/S); comply with permit conditions.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor compliance with measures in Appendix V in 2008 Final EIR/S and erosion and sediment control measures and report to CDFG, USFWS, CCRWQCB, Monterey County RMA Planning Department and DWR.

Report preconstruction survey results to USFWS, CDFG, DWR and Monterey County RMA Planning Department.

TIMING:

a) Report preconstruction survey results to agencies immediately after survey completion.

b) Report encounters with special-status species to CDFG and USFWS. Report finding dead or injured special-status species within 3 days to CDFG and USFWS. Within 60 days of completing construction activities for the season, submit special-status species report; comply with monitoring and reporting schedule as specified by USFWS and CDFG.

c) Throughout construction, for erosion control, water quality protection and temporary and permanent revegetated areas inspect as follows: inspect daily in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, in all areas within 24-hours of each 0.5 inch or greater rainfall event, soil and weather conditions permitting. Reports of daily inspections will be submitted monthly to the agencies.

d) Environmental Inspector shall document all inspections in Environmental Daily Inspection Report. Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submit written report within 5 days. Reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R in 2008 Final EIR/S, to the U.S. EPA Emergency Response Branch and the CCRWQCB.

e) Post-construction monitoring will be conducted for ten years, and reports will be submitted to the agencies monthly.

56. MMRP037 - VEGETATION AND WILDLIFE

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

To minimize impacts to biological resources, obtain and comply with permits from USFWS and CDFG. Implement provisions in the Protection Measures for Special Status Species (Appendix V). Under direction of a biologist permitted and approved by CDFG, USFWS and NMFS to capture and relocate CRLF, western pond turtles, two-striped garter snakes and other species, conduct preconstruction surveys for special status and native species consistent with recent USFWS and CDFG guidance. Notify agencies if special status species are observed; capture and relocate special status aquatic species after April 15; install erosion control fencing or similar barrier to minimize movement back into work areas; clear vegetation by hand; restore CRLF habitat; conduct CRLF population monitoring and predator control program in compliance with Fish and Game Code throughout project construction and continuing for 2 years after completion of project. If monitoring shows increase in bullfrog population and decrease in CRLF numbers in mitigation areas, eradication program may continue another 2 years. Transport and relocate other native wildlife to secure habitats; continue these mitigation measures throughout reservoir drawdown, vegetation clearing, and sediment excavation operations. Other mitigation measures provided by CDFG and USFWS will be adopted as specified.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor capture and relocation efforts especially in terms of compliance with permit conditions and report to CDFG, USFWS, NMFS, DWR and Monterey County RMA Planning Department. Monitor bullfrog and CRLF populations and report to USFWS and CDFG.

TIMING:

- a) Monitor capture and relocation efforts, daily, and report to the agencies as specified in permits.
- b) Monitor and report results of bullfrog and CRLF populations as specified in the bullfrog eradication program.

57. MMRP038 - VEGETATION AND WILDLIFE

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

To minimize impacts to biological resources, obtain and comply with permits from USFWS and CDFG; implement provisions in the Protection Measures for Special Status Species; clear vegetation with handheld tools (except "weedwhackers") prior to sediment excavation and rescue/relocation of CRLF; vegetation clearing will be limited to no lower than 12 inches above grade; cleared vegetation moved to an off-site location; under direction of a biologist permitted and approved by CDFG, USFWS and NMFS to capture and relocate CRLF, western pond turtles, two-striped garter snakes, Coast Range newt and other species, after hand clearing is complete, conduct preconstruction surveys for special status and native species consistent with recent USFWS and CDFG guidance; notify agencies if special status are observed; capture and relocate species after April 15; install erosion control fencing or similar barrier to minimize movement back into work areas; after ten days pass in which no special status aquatic adults, juveniles, hatchlings or larvae are detected, machine operations and mechanical vegetation removal can commence; after mechanical vegetation removal is complete, aquatic habitat will be resurveyed for presence of special status species; if no adults, juveniles, hatchlings, or larvae are present, sediment excavation can commence; repeat procedures at beginning of each construction season; restore CRLF habitat; conduct CRLF population monitoring and predator control program in compliance with Fish and Game Code throughout project and continuing for 2 years after completion of project; if construction monitoring shows increase in bullfrog population and decrease in CRLF numbers in mitigation areas, eradication program may continue another 2 years; transport and relocate other native wildlife to secure habitats; continue these mitigation measures throughout reservoir drawdown, vegetation clearing, and sediment excavation operations. Other mitigation measures provided by CDFG and USFWS will be adopted as specified.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Conduct preconstruction surveys and report to CDFG, USFWS, NMFS, DWR and Monterey County RMA Planning Department.

Monitor vegetation clearing activities and report to CDFG, USFWS, DWR and Monterey County RMA Planning Department.

Monitor capture and relocation efforts especially in terms of compliance with permit conditions and report to CDFG, USFWS, NMFS, DWR and Monterey County RMA Planning Department.

Monitor bullfrog and CRLF populations and report to USFWS and CDFG.

TIMING:

a) Report preconstruction survey and vegetation clearing results to agencies immediately after completion of activities.

b) Immediately notify agencies if special-status species are detected during vegetation clearing.

c) Monitor capture and relocation efforts, daily, and report to the agencies as specified in permits.

d) Monitor and report results of bullfrog and CRLF populations as specified in the bullfrog eradication program.

58. MMRP039 - VEGETATION AND WILDLIFE

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

To minimize impacts on biological resources, obtain and comply with permits from USFWS and CDFG; implement provisions in the Protection Measures for Special Status Species (Appendix V in 2008 Final EIR/S). Under direction of a biologist permitted and approved by CDFG, USFWS and NMFS to capture and relocate special status aquatic and terrestrial species including CRLF, Coast Range newt, western pond turtle and Monterey duskyfooted woodrat, conduct preconstruction surveys for special status and native species consistent with most recent USFWS and CDFG guidance; notify agencies if special status species are observed; capture and relocate special status aquatic species after April 15; install erosion control fencing or similar barrier to minimize movement back into work areas; clear vegetation by hand; restore CRLF habitat; conduct CRLF population monitoring and predator control program in compliance with Fish and Game Code throughout project construction and continuing for 2 years after completion of project; if monitoring shows increase in bullfrog population and decrease in CRLF numbers in mitigation areas, eradication program may continue another 2 years; transport and relocate other native wildlife to secure habitats; continue these mitigation measures throughout reservoir drawdown, vegetation clearing, and sediment excavation operations. Other mitigation measures provided by CDFG and USFWS will be adopted as specified.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor compliance with measures in Appendix V and erosion and sediment control measures and report to CDFG, USFWS, DWR and Monterey County RMA Planning Department.

Conduct preconstruction surveys and report to CDFG, USFWS, NMFS, DWR and Monterey County RMA Planning Department.

Monitor capture and relocation efforts especially in terms of compliance with permit conditions and report to CDFG, USFWS, NMFS, DWR and Monterey County RMA Planning Department.

Monitor bullfrog and CRLF populations and report to USFWS and CDFG

TIMING:

- a) Report preconstruction survey results to agencies immediately after completion of activities.
- b) Immediately notify agencies if special-status species are detected.
- c) Monitor capture and relocation efforts, daily, and report to the agencies as specified in permits.
- d) Monitor and report results of bullfrog and CRLF populations as specified in the bullfrog eradication program.

59. MMRP040 - VEGETATION AND WILDLIFE

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
Avoid night work during October-April along the portion of Cachagua Road located closest to potential CTS habitat. If construction-related travel must occur at night during rainy or wet conditions, a qualified biological monitor will conduct surveys and escort vehicles through the potential habitat area. Other mitigation measures provided by CDFG and USFWS will be implemented as specified.

Compliance or Monitoring Action to be Performed: ACTION:
If nighttime construction travel is necessary during wet or rainy conditions, conduct surveys and report results to CDFG, USFWS, DWR and Monterey County RMA Planning Department.

TIMING:
a) Report survey results to agencies immediately after completion of surveys.
b) Immediately notify agencies if CTS are detected.

60. MMRP041 - VEGETATION AND WILDLIFE

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
Lighting will be directed downward to prevent spillover into habitats. Conduct night work between Sept. 15 and Feb. 1 to avoid nesting season. If night work must be conducted between Feb. 1 and Sept. 15, a qualified wildlife biologist will conduct protocol-level preconstruction surveys. CDFG and USFWS will be contacted if active nests are found, protect nests of fully protected species with one-half mile buffers; coordinate buffers for nests of other species with CDFG and USFWS, monitor nests until young have fledged and are not dependent on parental care, implement additional measures designated by agencies.

ENFORCEMENT ENTITY:
USFWS, CDFG, DWR and Monterey County RMA Planning Department

Compliance or Monitoring Action to be Performed: ACTION:
Report results of preconstruction surveys to CDFG, USFWS, Monterey County RMA Planning Department, and DWR. If night work must occur outside of the September 15 through February 1 period, coordinate with the regulatory agencies, conduct additional surveys, and report results to CDFG, USFWS, Monterey County RMA Planning Department, and DWR.
Nest surveys will be coordinated with the CDFG and USFWS; nest survey results will be reported to CDFG and USFWS.

TIMING:
Report results of all surveys immediately after completion. Report encounters with special-status species and protected birds to CDFG and USFWS; report finding dead or injured special-status species and birds within 3 days to CDFG and USFWS. Coordinate nesting surveys and buffer zones with CDFG and USFWS and report as required by these agencies. Within 60 days of completing construction activities for the season, submit special-status species report; comply with monitoring and reporting schedule as specified by USFWS and CDFG.

61. MMRP042 - WETLANDS

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
Implement revegetation immediately after completion of Phase 1 construction; create or restore lost riparian and fringe palustrine emergent wetlands, similar in function (streamside habitat); 2.95 acres of wetlands in the San Clemente Creek and Carmel River arms will be restored to achieve at least a 1:1 ratio. Grading will occur as necessary. Under supervision of qualified botanist, place cuttings or seedlings in appropriate habitat; obtain seedlings from Carmel Valley area populations; replant seedlings as necessary to ensure long-term survival; for loss of Other Waters of the U.S., mitigate by restoring 3,000 feet of Carmel River and San Clemente Creek channels, and improving stream channel habitat on Carmel River upstream of project area or along other appropriate streams in watershed; obtaining conservation easements or mitigation banking credits at a 3:1 ratio on similar, unaffected and fully functional wetlands in the watershed. Specifications of the USACE 404 permit will be complied with, and provisions of the Botanical Resources Management Plan (Appendix U) will be implemented. Implement provisions in the Botanical Resources Management Plan (Appendix U in 2008 Final EIR/S).

Compliance or Monitoring Action to be Performed: ACTION:
Monitor compliance with measures in Appendix U and report to CDFG, USACE, Monterey County RMA Planning Department and DWR.
Monitor revegetation plantings and report to USACE, Monterey County RMA Planning Department, CDFG, and DWR.

- TIMING:**
- a) During construction, conduct monitoring annually on all revegetated areas and areas identified for potential erosion and sedimentation problems.
 - b) Monitor and record success of wetland restoration, annually. At end of three years, submit status report to USACE. Report shall include percent cover achieved and will identify all problem areas. If the performance criteria are not met, status reports will be submitted annually until criteria are met.
 - c) Monitor replacement plantings during years 1, 2, 3 and 5 following planting; for areas where trees, saplings, poles, or wands are planted, also monitor in year 10 after planting;

62. MMRP043 - WETLANDS

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

Construct cofferdams of clean, river-run gravel; unless flows are less than 50 cfs, install cofferdams no earlier than May and remove in Oct; fill plunge pool staging area with spawning size gravel, cover with visqueen liner and a layer of crushed rock or sand; remove surface layer and liner when construction is complete; to minimize loss of wetlands and riparian vegetation, upgrade plunge pool access road to a one lane, two-way road with turnouts. Implement revegetation immediately after completion of Phase 1 construction; create or restore riparian and fringe palustrine wetlands similar in function at 3:1 ratio; grade as necessary; under supervision of a qualified botanist, plant cuttings or seedlings in appropriate habitat; obtain seedlings from Carmel Valley area populations; replant seedlings as necessary to ensure long-term survival. For Other Waters of the U.S., may also improve stream channel habitat on Carmel River upstream of project area or along other appropriate streams in watershed; obtain conservation easement or mitigation banking credits at 3:1 ratio on similar, unaffected and fully functional wetlands in watershed; comply with specifications of the USACE 404 permit; implement provisions in the Botanical Resources Management Plan (Appendix U).

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor compliance with measures in Appendix U and report to CDFG, USACE, Monterey County RMA Planning Department, and DWR.
Monitor revegetation plantings and report to USACE, Monterey County RMA Planning Department, CDFG, DWR.

TIMING:

- a) During construction, conduct monitoring annually on all revegetated areas and areas identified for potential erosion and sedimentation problems.

- b) Monitor and record success of wetland restoration, annually. At end of three years, submit status report to USACE. Report shall include percent cover achieved and will identify all problem areas. If the performance criteria are not met, status reports will be submitted annually until criteria are met.

- c) Monitor replacement plantings during years 1, 2, 3, and 5 following planting; for areas where trees, saplings, poles, or wands are planted, also monitor in year 10 after planting; implement monitoring immediately following planting; monitor during years 1,2,3, and 5 following planting; for areas in which trees, saplings, poles, wands, or acorns are planted, also monitor in year 10 following planting.

63. MMRP044 - WETLANDS

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

Implement erosion and sedimentation control BMPs in SWPPP (Appendix K in 2008 Final EIR/S) for all grading, filling, vegetation clearing or excavating; design road widening to avoid placing fill above canyon walls; with a qualified hydrologist, design all road widening and improvements to avoid or minimize alteration of existing drainage patterns; employ appropriate erosion control technology; conduct construction work during dry season; avoid excavation and operation of construction vehicles within tree driplines; implement dust control measures including watering unpaved access roads; with qualified revegetation specialist, revegetate disturbed areas with seed mix containing as high a percentage of native seeds as possible; implement remedial actions if revegetation is unsuccessful or if significant erosion and sedimentation is observed during monitoring; implement strategies in Botanical Resources Management Plan (Appendix U in 2008 Final EIR/S).

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor compliance with measures in Appendix U in 2008 Final EIR/S and report to CDFG, USACE, Monterey County RMA Planning Department, and DWR.

Monitor compliance with erosion and sedimentation control BMPs in Appendix K and report to Monterey County RMA Planning Department, CDFG, USACE, CCRWQCB, and DWR.

TIMING:

a) Report compliance with measures in Appendix U in 2008 Final EIR/S as specified in Botanical Resources Management Plan.

b) Throughout construction, for erosion control, water quality protection and in temporary and permanent revegetated areas inspect as follows: inspect daily in areas under active construction or equipment operation, weekly in areas with no active construction or equipment operation, in all areas within 24-hours of each 0.5 inch or greater rainfall event, soil and weather conditions permitting.

c) Environmental Inspector shall document all inspections in Environmental Daily Inspection Report. Reports of daily inspections will be submitted monthly to the agencies.

d) Verbally report noncompliance within 24 hours from time applicant is first aware of the circumstance and submit written report within 5 days. Reports will be made to the appropriate agency identified in the SWPPP and SPCC (Appendices K and R in 2008 Final EIR/S), to the U.S. EPA Emergency Response Branch and the CCRWQCB.

64. MMRP045 - AIR QUALITY

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:

To minimize impacts to air quality, all active construction areas and access roads will be watered at least twice daily. All grading will be prohibited during winds greater than 15 mph. Chemical soil stabilizers will be applied to disturbed construction areas that have been unused for at least four consecutive days. Non-toxic binders will be applied to exposed areas after cut and fill operations and to hydroseeded areas. Haul trucks will maintain at least 2 feet of freeboard. All trucks hauling dirt, sand, or loose materials will be covered. Disturbed areas will be seeded or planted with a vegetative ground cover as soon as possible. Inactive storage piles will be covered with tarps. A sign will be posted giving the telephone number and person to contact regarding dust complaints. This person would respond to complaints and take corrective action within 48 hours. The phone number of the Monterey Bay Unified Air Pollution Control District (MBUAPCD) would be visible to ensure compliance with Rule 402 (Nuisance). Even with implementation of these measures, the impact will remain significant and unavoidable.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor compliance with measures to reduce emissions from construction equipment and road dust and report to the MBUAPCD, DWR and Monterey County RMA Planning Department.

TIMING:
Monitoring will occur daily, during construction. Monthly reports will be submitted to the MBUAPCD throughout construction.

65. MMRP046 - AIR QUALITY

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:

Reduce emissions of NOX from construction equipment by using NOX controls for diesel vehicles and equipment.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor compliance with measures to reduce dust and other emissions during access road improvements and report to the MBUAPCD, DWR and Monterey County RMA Planning Department.

TIMING:
Monitoring will occur daily, during construction. Monthly reports will be submitted to the MBUAPCD throughout construction.

66. MMRP047 - AIR QUALITY

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

To minimize impacts to air quality, crushed rock will be used as a final base on unpaved roads. Unpaved or unrocked roads, parking areas, and staging areas will be watered. The amount and frequency of water application would be adjusted for weather conditions to maintain a minimum average soil moisture ratio of 5, for 95 percent or greater dust suppression. Water quality BMPs will be implemented to avoid introducing sediment into the river and creeks. Non-toxic chemical stabilizers or dust suppressants will be applied to unpaved haul roads. As traffic and weather allow, as necessary, a street sweeper will be regularly used to prevent sediment accumulation on paved roads. A posted 15-mph speed limit will be enforced on all vehicles on unpaved haul roads. The Applicant will implement practical and cost-effective PM10 controls for access roads, including paving and coarse graveling, in addition to periodic watering, along with practical and cost-effective NOX controls for diesel vehicles and equipment, such as Viscon18. To the maximum extent possible, state-certified construction equipment in the PERP, pre-approved for use in any district by the Air Resources Board, will be used. The Applicant will comply with all MBUAPCD permit requirements.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor compliance with measures to reduce dust and other emissions during access road improvements and report to the MBUAPCD, DWR and Monterey County RMA Planning Department.

TIMING:

Monitoring will occur daily, during construction. Monthly reports will be submitted to the MBUAPCD, DWR and Monterey County RMA Planning Department throughout construction.

67. MMRP048 - AIR QUALITY

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

To minimize impacts to air quality, crushed rock will be used as a final base on unpaved service roads to minimize dust generation in the vicinity of the Sleepy Hollow subdivision, and to make the roads more drivable. A posted 15-mph speed limit will be enforced on all vehicles on unpaved haul roads. Unpaved or unrocked roads, parking areas, staging areas and the batch plant will be watered. The amount and frequency of water application will be adjusted for weather conditions to maintain a minimum average soil moisture ratio of 5, for 95 percent or greater dust suppression. Water quality BMPs will be implemented to avoid introducing sediment into the river and creeks. Non-toxic chemical stabilizers or dust suppressants will be applied to unpaved haul roads. As traffic and weather allow, a municipal street sweeper will be used to prevent accumulation on Center Court Place and affected portions of San Clemente Drive. A 15-mph speed limit will be enforced on all unpaved haul roads. The Applicant will implement practical and cost-effective PM10 controls for access roads, including paving and coarse graveling, in addition to periodic watering, along with practical and cost-effective NOX controls for diesel vehicles and equipment, such as Viscon 18. To the maximum extent possible, state-certified construction equipment in the PERP, pre-approved for use in any district by the Air Resources Board, will be used. The Applicant will comply with all MBUAPCD permit requirements. Even with implementation of these measures, the impact will remain significant and unavoidable.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor compliance with measures to reduce dust and other emissions during project-related travel, and report to the MBUAPCD and DWR.

TIMING:

Monitoring will occur daily, during construction. Monthly reports will be submitted to the MBUAPCD, Monterey County RMA Planning Department and DWR throughout construction.

68. MMRP049 - AIR QUALITY

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

Implement BMPs including watering roads and construction areas, using chemical stabilizers, and employing other appropriate measures.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor compliance with measures to reduce emissions from construction equipment and road dust and report to the MBUAPCD, DWR and Monterey County RMA Planning Department.

TIMING:

Monitoring will occur daily, during construction. Monthly reports will be submitted to the MBUAPCD, DWR and Monterey County RMA Planning Department throughout construction.

69. MMRP050 - GREENHOUSE GAS EMISSIONS

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
Implement BMPs including: Maximize on-road fuel efficiency; develop a VMT reduction plan; use carpools, vanpools, or shuttle services to reduce worker-related VMT; reduce unnecessary idling through use of auxiliary power units, electric equipment and enforcement of idling and speed limits; properly maintain engines and equipment efficiently; implement a construction and demolition plan that will result in at least 50 percent diversion through reuse or recycling of nonhazardous construction waste; materials that are not recyclable or reusable for another project will be hauled to the nearest waste disposal facility.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor compliance with measures to reduce emissions from construction equipment and activities and report to the MBUAPCD, DWR and Monterey County RMA Planning Department.

TIMING:
Monitoring will occur daily, during construction. Monthly reports will be submitted to the MBUAPCD, DWR and Monterey County RMA Planning Department throughout construction.

70. MMRP051 - NOISE

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
Use quiet-design equipment, mufflers, and enclosures; eliminate unnecessary idling; conduct appropriate equipment maintenance and lubrication; implement timing restrictions for equipment use.
Even with implementation of this measure, the impact will remain significant and unavoidable.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor compliance with daytime working hours restriction and report to Monterey County RMA Planning Department and DWR.

TIMING:
Monitoring will occur daily, during construction. Quarterly reports will be submitted to the County RMA Planning Department and DWR throughout construction.

71. MMRP052 - NOISE

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
To minimize noise impacts, limit access road upgrade construction to the hours between 7:00 am and 6:00 pm, use quiet design construction equipment; install enclosure panels when required on stationary equipment; eliminate unnecessary idling; implement good maintenance and lubrication procedures; implement timing restrictions such as limiting operations to daytime working hours; limit construction worker passenger vehicle access during construction season to Monday-Saturday, 7:00 a.m.-7:00 p.m. and truck deliveries of construction materials to Monday-Saturday between 8:00 a.m. and 6:00 p.m.; enforce California Vehicle Code prohibitions against faulty or modified loud exhaust systems; enforce reduced speed limits to 15 mph on unpaved roads.
Even with implementation of these measures, the impact will remain significant and unavoidable.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor compliance with measures to reduce noise generated during access road improvements and report to Monterey County RMA Planning Department and DWR.

TIMING:
Monitoring will occur daily, during construction. Quarterly reports will be submitted to the Monterey County RMA Planning Department and DWR throughout construction.

72. MMRP053 - NOISE

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
To minimize noise impacts, night work would only be for sediment excavation at the SCD and reservoir sites, no delivery trucks or heavy construction equipment would be moved at night, access road construction will be limited to hours between 7:00 am and 6:00 pm, use quiet design construction equipment; install enclosure panels when required on stationary equipment; eliminate unnecessary idling; implement good maintenance and lubrication procedures; implement timing restrictions, such as limiting operations to daytime working hours; limit construction worker passenger vehicle access during construction season to Monday-Saturday, 7:00 a.m.-7:00 p.m. and truck deliveries of construction materials to Monday-Saturday between 8:00 a.m. and 6:00 p.m.; enforce California Vehicle Code prohibitions against faulty or modified loud exhaust systems; enforce reduced speed limits to 15 mph on unpaved roads.
Even with implementation of these measures, the impact will remain significant and unavoidable.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor compliance with measures to reduce noise from construction-related travel including travel associated with mobilization, materials, and workers, and report to Monterey County RMA Planning Department and DWR.

TIMING:
Monitoring will occur daily, during construction. Quarterly reports will be submitted to the Monterey County RMA Planning Department and DWR throughout construction.

73. MMRP054 - TRAFFIC AND CIRCULATION

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

To minimize traffic impacts, the Applicant/ Contractor shall implement a trip reduction plan for construction workers including use of an off-site park and ride area; prepare Traffic Coordination and Communication Plan to define specific schedules for truck deliveries and worker shifts to avoid peak commute and school bus traffic; prohibit night and weekend truck deliveries; restrict delivery of major items to weekdays between 9:00 to 3:00 pm; use resident Traffic/Transportation Coordinator; prepare and implement Traffic Safety Plan to address vehicle size and speed, coordinate travel routes, coordinate with emergency response entities, determine need for flag persons and traffic and speed limit signs. Equipment trips will avoid peak traffic hours between 9:00 am and from 3:00 pm, will be coordinated with local fire districts, and will be coordinated with school bus schedules. Develop vehicle and driver inspection program, prepare Construction Management Plan per Monterey County RMA - Public Works Department specifications that would reduce the number of project-related vehicles, reduce interaction between construction and other vehicles, and promote public safety. During periods when double-trailer trucks are used, flagging personnel will direct traffic at the Carmel Valley Road/Cachagua Road : intersection; the Traffic Control Plan will include Carmel Valley Road between Carmel Village and Cachagua Road and the Cachagua Road and the Jeep Trail; to assist with traffic control and ingress and egress, transport trucks will be escorted when traveling between Carmel Valley Road and the Jeep Trail; at some locations on Cachagua Road traffic will be stopped to facilitate haul operations; traffic monitoring fees will be paid to Monterey County. Even with implementation of these measures, the impact will remain significant and unavoidable.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

The Applicant/ Contractor shall implement the mitigation measure to:

- reduce impacts related to having additional traffic on the area road network and
- reduce the potential for increased accident rates on Carmel Valley Road and San Clemente Drive; and
- reduce the effect of increased traffic on residential neighborhoods and provide reports to the Monterey County RMA - Public Works Department and DWR.

TIMING:

The Applicant/ Contractor shall implement the mitigation measures prior and concurrently to construction activities.

Monitoring will occur daily, during construction. Quarterly reports will be submitted to the Monterey County RMA Public Works Department and DWR throughout construction.

74. MMRP057 - TRAFFIC AND CIRCULATION

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
The Applicant/Contractor shall increase sight distance by removing, cleaning and maintaining trees or brush located within the project Right-of-Way or constructing improvements at Carmel Valley Road/Cachagua Road intersection; Cachagua Road/ Jeep Trail intersection or by relocating the intersection of Jeep Trail to increase the sight distance looking north.

Compliance or Monitoring Action to be Performed: ACTION:
The Applicant/ Contractor shall submit improvement plans for review and approval by the Monterey County RMA Public Works Department to provide adequate sight distance at Carmel Valley Road/Cachagua Road intersection; Cachagua Road/Jeep Trail intersection and report to the Monterey County RMA - Public Works Department and DWR.

TIMING:
The Applicant/ Contractor shall implement the mitigation measures prior and concurrently to construction activities.
Monitoring will occur daily, during construction.
Quarterly reports will be submitted to the Monterey County RMA Public Works Department throughout construction.

75. MMRP059 - TRAFFIC AND CIRCULATION

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
The Applicant/Contractor shall, prior to construction, coordinate with local agencies to determine which roads are best to use; and restore affected roads to pre-project condition or better immediately after construction is complete.

Compliance or Monitoring Action to be Performed: ACTION:
The Applicant/ Contractor shall coordinate with Monterey County RMA - Public Works Department and formally report to them concerning the best roads to use. After construction, the Applicant/ Contractor shall coordinate with the Monterey County RMA - Public Works Department to immediately restore roads to pre-project or better conditions.

TIMING:
The Applicant/Contractor shall coordinate prior to construction activities, and report during construction activities and restore affected roads to pre-project condition or better concurrently and immediately after construction is complete to the Monterey County RMA - Public Works Department before and post-construction.

76. MMRP060 - TRAFFIC AND CIRCULATION

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

The Applicant/ Contractor shall coordinate with Monterey County RMA Public Works Department, Cachagua Fire District and Monterey Regional Fire District throughout project construction; emergency vehicles will have priority to pass; Tassajara, Cachagua, and Jeep Trail improvements will have turn-outs for use by construction equipment so emergency vehicles can pass; avoid work during peak traffic hours between 6:00 am to 9:00 am and from 3:00 pm to 6:00 pm; hauling may be restricted to between 9 am and 3 pm; coordinate with school bus schedules; restrict traffic to non-holiday weekdays; submit schedules to fire districts; give fire districts 24-hr contact names, phone numbers, and gate keys; radio contact with fire districts will be maintained throughout the project.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

The Applicant/ Contractor shall implement mitigation measure to reduce the effect of construction traffic on delays in emergency response and report to Monterey County RMA - Public Works Department, Cachagua Fire District, Monterey Regional Fire District, and DWR.

TIMING:

The Applicant/Contractor shall implement mitigation prior and concurrently to construction activities.

Compliance with mitigation will occur daily during construction.

Quarterly reports will be submitted to the County throughout construction. Any identified potential delays to emergency response time will be immediately reported to Monterey County RMA - Public Works Department, Cachagua Fire District, and the Monterey Regional Fire District.

77. MMRP061 - CULTURAL RESOURCES

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

Complete National Historic Preservation Act Section 106 process; monitor construction activities at known archaeological sites; if complete avoidance of sites isn't possible during construction and maintenance, conduct complete archaeological evaluation and historical documentation of sites; if historic properties are discovered, avoid, minimize or mitigate impacts; if buried cultural resources are discovered, halt construction operations and contact federal lead agency; implement an archaeological monitoring program consisting of: preconstruction assessment and construction training, construction monitoring, site recording and evaluation, mitigation planning, curation, tribal discussion, report of findings, and review and approval of any erosion control or revegetation procedures in the vicinity of a known significant site prior to implementing procedures.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor compliance with measures to reduce the effect of ground disturbance on archaeological sites and report to the SHPO, Monterey County RMA Planning Department and DWR.

TIMING:

Monitor throughout construction, submit reports to the SHPO according to the Section 106 MOA.

78. MMRP062 - CULTURAL RESOURCES

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
Use rigid support of structures to minimize ground movement.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor compliance with measures to reduce damage to historic structures due to construction-related vibrations and report to the SHPO, Monterey County RMA Planning Department and DWR.

TIMING:
Monitor throughout construction, submit reports to the SHPO according to the Section 106 MOA.

79. MMRP063 - CULTURAL RESOURCES

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
Implement dust reduction measures including: spraying water on ground surface prior to ground disturbance; use crushed rock as final base for unpaved service roads; use watering trucks and adequate water on unpaved areas; enforce 15 mph speed limit on unpaved haul roads; implement other PM10 reduction BMPs; adopt Air Quality dust reduction BMPs; adhere to permit conditions.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor compliance with measures to reduce introduction of dirt, or to cause unintended damage to historic structures during construction-related and demolition activities and report to the SHPO, Monterey County RMA Planning Department and DWR.

TIMING:
a) Monitor before, during and post-construction. Submit reports to the SHPO according to the Section 106 MOA.

b) Air quality/dust control monitoring will occur daily, during construction. Monthly reports will be submitted to the MBUAPCD, DWR and Monterey County RMA Planning Department throughout construction.

80. MMRP064 - CULTURAL RESOURCES

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
To minimize impacts on cultural resources, complete Section 106 process including recordation of OCRD and associated fish ladder and SCD and associated fish ladder in the form of NPS regulated HABS/HAER level documentation prior to any construction; additional measures could include interpretive displays, development of an educational program on the facilities and a professional publication on the historic resources. Incorporate other measures specified by the Section 106 MOA. Even with implementation of these measures, the impact will remain significant and unavoidable.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor compliance with measures to reduce impacts associated with demolition of the OCRD and fish ladder (historic properties), and demolition activities and report to the SHPO, DWR and Monterey County RMA Planning Department.

TIMING:
Monitor during and post-construction. Submit reports to the SHPO according to the Section 106 MOA.

81. MMRP065 - CULTURAL RESOURCES

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
To minimize impacts on cultural resources, prepare NRHP nomination form for Historic District, complete Historic Preservation Management Plan, complete 106 process and MOA. Even with implementation of these measures, the impact will remain significant and unavoidable.

Compliance or Monitoring Action to be Performed: ACTION;
Monitor compliance with measures to reduce impacts associated with altering the character of the San Clemente Dam Historic Resource District and report to the SHPO, DWR and Monterey County RMA Planning Department.

TIMING:
Monitor during and post-construction. Submit reports to the SHPO according to the Section 106 MOA.

82. MMRP066 - CULTURAL RESOURCES

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
To minimize impacts on cultural resources, prior to construction, complete photographic documentation; use design, materials, and construction methods that are compatible with the existing historic resources.
Even with implementation of these measures, the impact will remain significant and unavoidable.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor compliance with measures to reduce impacts associated with loss of visual integrity of the San Clemente Dam Historic Resource District and report to the SHPO and DWR.

TIMING:
Monitor before and during construction. Submit reports to the SHPO according to the Section 106 MOA.

83. MMRP067 - VISUAL RESOURCES (AESTHETICS)

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
To minimize visual impacts , after construction disturbed areas near the Jeep Trail will be revegetated as specified in Appendix U in 2008 Final EIR/S. Even with implementation of these measures, the impact will remain significant and unavoidable.

Compliance or Monitoring Action to be Performed: ACTION:
Monitor compliance with vegetation protection measures and report to Monterey County RMA Planning Department, CDFG, and DWR.
Monitor revegetation plantings and report to Monterey County, CDFG, and DWR.

TIMING:
a) During construction, conduct monitoring on all revegetated areas and areas identified for potential erosion and sedimentation problems; implement monitoring immediately following planting; monitor during years 1,2,3, and 5 following planting; for areas in which trees, saplings, poles, wands, or acorns are planted, also monitor in year 10 following planting.
b) Reports will be submitted to the agencies after the conclusion of each annual monitoring period. A summary report will be submitted after year ten, the final year of monitoring.

84. MMRP068 - VISUAL RESOURCES (AESTHETICS)

Responsible Department: Planning Department

Condition/Mitigation Monitoring Measure: MITIGATION MEASURE:
To minimize visual impacts, lighting will be directed down towards work areas and shielded to reduce sky glow and spillover. Even with implementation of these measures, the impact will remain significant and unavoidable.

Compliance or Monitoring Action to be Performed: ACTION;
Monitor compliance with measures to reduce the effects of construction lighting and report to Monterey County RMA Planning Department and DWR.

TIMING:
Monitoring to ensure compliance with mitigation will occur daily when nighttime construction is necessary. Quarterly reports will be submitted to the Monterey County RMA Planning Department and SWR throughout construction.

85. MMRP069 - RECREATION

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

To minimize impacts on recreation, operation of heavy earth-moving equipment and other construction equipment on the Jeep Trail would occur during normal working hours, but construction-related small trucks and passenger vehicles would travel on the Jeep Trail during day and nighttime hours when night shifts are needed. Air quality, noise and traffic mitigations described in Sections 4.7.3, 4.8.3 and 4.9.3 in the 2008 Final EIR/S will also be implemented to minimize disruption of the use of the Jeep Trail. Even with implementation of these measures, the impact will remain significant and unavoidable.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor compliance with measures to reduce impacts to air, noise, and traffic associated with heavy equipment use of the Jeep Trail and report to Monterey County RMA Planning Department, the MBUAPCD, and DWR.

TIMING:

a) Air Quality monitoring will occur daily, during construction, and will be reported monthly to the MBUAPCD throughout construction.

b) Noise and traffic monitoring will occur daily, during construction. Quarterly reports will be submitted to the Monterey County RMA Planning Department throughout construction.

86. MMRP070 - RECREATION

Responsible Department: Planning Department

**Condition/Mitigation
Monitoring Measure:**

MITIGATION MEASURE:

To minimize impacts on recreation, mobilization of trailer-trucks and heavy equipment will be coordinated to avoid peak traffic hours between 6:00 am to 8:30 am and from 3:30 pm to 6:00 pm. Project Applicant will prepare a Trip Reduction Plan, Traffic Coordination and Communication Plan, and a Traffic Safety Plan (see Mitigation Measure #MMRP056). Even with implementation of these measures, the impact will remain significant and unavoidable.

**Compliance or
Monitoring
Action to be Performed:**

ACTION:

Monitor compliance with measures to reduce impacts to motorists traveling to Los Padres National Forest and report to Monterey County RMA Planning Department, and DWR.

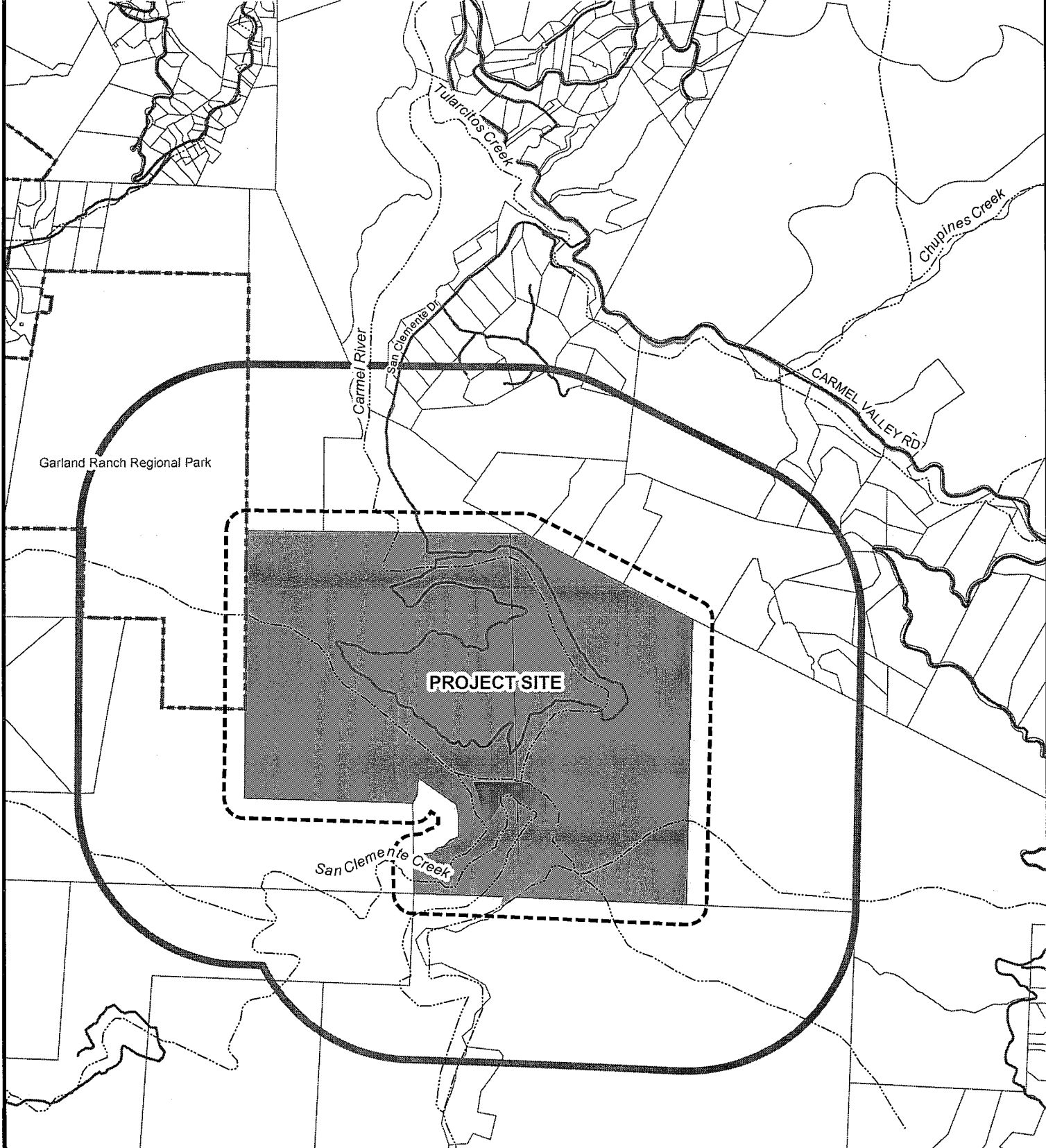
TIMING:

Traffic monitoring will occur daily during construction. Quarterly reports will be submitted to the County RMA Planning Department and DWR throughout construction.

Exhibit D

Vicinity Map

GREATER MONTEREY PENINSULA & CACHAGUA

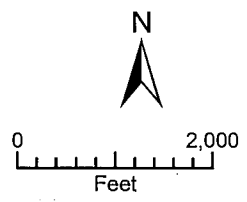


APPLICANT: CAL-AM WATER CO (SAN CLEMENTE DAM REMOVAL)

APN: 417-051-004-000 & 417-051-005-000

FILE # PLN110373

Water 2500' Limit 300' Limit City Limits



PLANNER: SCHUBERT

Exhibit E

Carmel Valley Land Use Advisory Committee Minutes of July 2, 2012 Meeting

MINUTES
Carmel Valley Land Use Advisory Committee
Monday, July 2, 2012

1. Meeting called to order by Janet Brennan at 6:28 pm

2. Roll Call

Members Present: John Anzini, Janet Brennan, David Burbidge, Judy MacClelland, Doug Pease

Members Absent: Neil Agron, Charles Franklin

3. Approval of Minutes:

A. June 18, 2012 minutes

Motion: John Anzini (LUAC Member's Name)

Second: Doug Pease (LUAC Member's Name)

Ayes: 4

Noes: 0

Absent: 2 (Agron, Franklin)

Abstain: 1 (Brennan)

4. **Public Comments:** The Committee will receive public comment on non-agenda items that are within the purview of the Committee at this time. The length of individual presentations may be limited by the Chair.

None

5. Scheduled Item(s)

6. **Other Items:**

A) Preliminary Courtesy Presentations by Applicants Regarding Potential Projects

None

B) Announcements

Janet Brennan announced that the July 16, 2012 LUAC meeting will be held at the Mid Valley Fire Station.

7. Meeting Adjourned: 7:10 pm

Minutes taken by: Judy MacClelland

Minutes received via email July 4, 2012

Action by Land Use Advisory Committee Project Referral Sheet

Monterey County Planning Department
168 W Alisal St 2nd Floor
Salinas CA 93901
(831) 755-5025

Advisory Committee: **Carmel Valley**

Please submit your recommendations for this application by: **July 2, 2012**

Project Title: CALIFORNIA-AMERICAN WATER CO (SAN CLEMENTE DAM REMOVAL)

File Number: PLN110373

Item continued from 6/18/12 meeting

File Type: PC

Planner: SCHUBERT

Location: SAN CLEMENTE DAM REGION

Project Description:

Combined Development Permit (formerly PLN080052) consisting of: 1) Use Permit for the removal of the San Clemente Dam and related improvements; 2) Use Permit for the removal of the Old Carmel River Dam and related improvements; 3) Use Permit for development on 25% slopes; and 4) Use Permit for the removal of protected trees. The project includes road improvements on the construction access route along Cachagua Road and the Jeep Trail. The property is located in the San Clemente Dam Region, at the confluence of the Carmel River (River Mile 18.5) and San Clemente Creek, approximately 15 miles southeast of the City of Carmel-by-the-Sea and 3.7 miles southeast of Carmel Valley Village (Assessor's Parcel Number 417-051-004-000; 417-051-005-000; 417-051-001-000; 417-251-002-000-M), Greater Monterey Peninsula Area Plan and Cachagua Area Plan.

Was the Owner/Applicant/Representative Present at Meeting? Yes No

Jeffery Szytel, WSC Water Systems Consulting, Inc.

Was a County Staff/Representative present at meeting? Bob Schubert (Name)

PUBLIC COMMENT:

Name	Site Neighbor?		Issues / Concerns (suggested changes)
	YES	NO	
Deborah McFarland 241 Vista Verde Carmel Valley, CA 93924		X	What kind of earthquake insurance does Cal.-Am have for the existing dams?

LUAC AREAS OF CONCERN

Concerns / Issues (e.g. site layout, neighborhood compatibility; visual impact, etc)	Policy/Ordinance Reference (If Known)	Suggested Changes - to address concerns (e.g. relocate; reduce height; move road access, etc)
Janet Brennan: Requested clarification regarding lead agency for the project application.		
David Burbidge: Changes in streambed. Use of San Clemente Drive as transportation route. Timing of Cachagua Road closure.		
John Anzini: Opposed to project, concern about sediment transport. Asked about local-hire preferences.		

ADDITIONAL LUAC COMMENTS

Judy MacClelland: Requested comparison of pre-project and post-project floodplain.

Janet Brennan: In support of dam removal; dams are destructive to fisheries; project is well-designed.

RECOMMENDATION:

Motion by: Doug Pease (LUAC Member's Name)

Second by: Dave Burbidge (LUAC Member's Name)

Support Project as proposed

Recommend Changes (as noted above)

Continue the Item

Reason for Continuance: _____

Continued to what date: _____

AYES: 4 (Pease, Burbidge, Brennan, MacClelland.)

NOES: 1 (Anzini)

ABSENT: 2 (Agron, Franklin)

ABSTAIN: 0

Exhibit F

Construction Access
Alternatives Summary by
Seth Guntzler dated
July 13, 2012

URS

DRAFT

Date: July 13, 2012

To: Richard Svindland, PE (California American Water)
Trish Chapman (State Coastal Conservancy)

From: Seth Gentzler, P.E. (URS), John Roadier, P.E. (URS)

Subject: *Carmel River Reroute & San Clemente Dam Removal Project
Construction Access Road Alternatives Summary*

1.0 PURPOSE

The objective of this memorandum is to summarize the preliminary alternatives analysis associated with construction access to the Carmel River Reroute & San Clemente Dam Removal (CRRDR) Project site. The screening analysis consisted of a preliminary assessment and comparison of potential access route improvements and impacts to natural resources.

2.0 EXISTING CONDITIONS

Under existing conditions, California American Water (CAW) accesses San Clemente Dam (SCD) and the surrounding property via San Clemente Drive off Carmel Valley Road (see Figure 1). Once San Clemente Drive enters CAW property (through a locked gate), there are two options to reach SCD, referred to as the High Road and Low Road.

The Low Road is reserved for incoming traffic, and primarily runs parallel to the Carmel River alignment, crossing the river at the Old Carmel River Bridge (OCRD), and extending to the top of the SCD left abutment (see Figure 1). The Low Road is a dirt road with a typical width ranging from 10-12 feet, with minimal shoulders. The uphill slope from the road is typically vertical or near vertical rock extending up several hundred feet to the top of the canyon wall. The downhill slope from the road is typically a vertical or near vertical slope extending directly down into the active Carmel River channel.

The High Road is reserved for outgoing traffic, and extends from the top of the SCD left abutment up over the adjacent hillside, then down to a low water crossing at the Carmel River near the Sleepy Hollow Rearing Facility, joining back up with San Clemente Drive near the CAW gate (see Figure 1). The High Road is a dirt road with a typical width ranging from 10-12 feet, with minimal shoulders. The uphill slope from the road is typically vertical or near vertical rock extending up to the top of the canyon wall. The downhill slope from the road is typically a vertical or near vertical slope extending down the adjacent hillside.

The base of SCD can be accessed via an extension off of the Low Road, referred to as the Plunge Pool Road, which diverts from the Low Road at OCRD (see Figure 1).

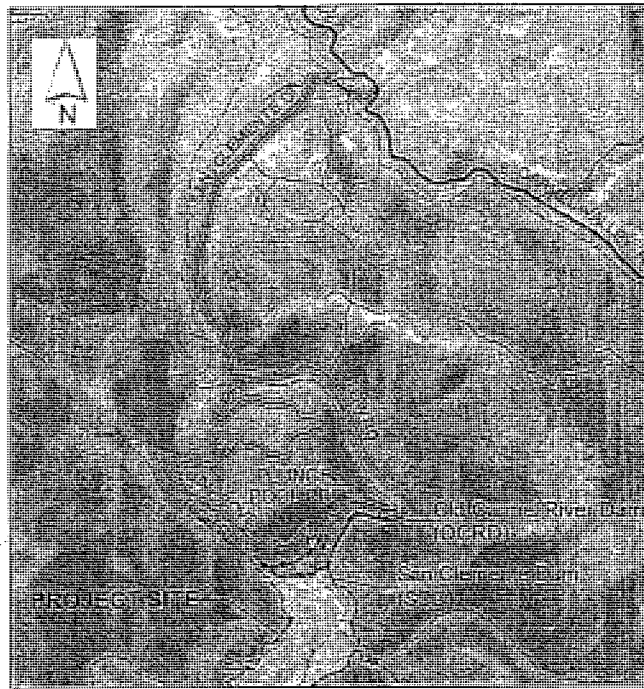


Figure 1. Existing Access to SCD

3.0 PROPOSED ALTERNATIVES

Initially, three primary routes were considered for construction access to the site. The three options were as follows:

1. San Clemente Drive to the Low Road (Low Road option)
2. San Clemente Drive to the High Road (High Road option)
3. Cachagua Road to the Jeep Trail (Jeep Trail option)

Option 1 above (San Clemente Drive to the Low Road) was screened out due to the lack of practical and feasible options to improve the road, in addition to safety concerns associated with falling rock and landslides from the uphill slope adjacent to the road.

This memorandum focuses on the comparison between the High Road option and the Jeep Trail option, as described in detail below.

3.1 High Road Option

The High Road option would involve improvement of San Clemente Drive (inside of the CAW gate) and the High Road to accommodate construction traffic. At a minimum, this would include improving approximately 14,300 linear feet of existing dirt road to a minimum width of 18 feet and providing a 12-foot wide travel surface of graded aggregate base. The width increase would result in fairly significant uphill and downhill daylight slopes along the alignment, impacting a significant number of existing trees and habitat. Since the High Road currently only extends to the top of SCD, a High Road extension would need to be constructed (approximately 3,300 linear feet) for equipment to access the work area. The High Road extension alignment (solid yellow lines) and impact area (dashed red lines) are shown in Figure 2.



Figure 2. High Road Extension

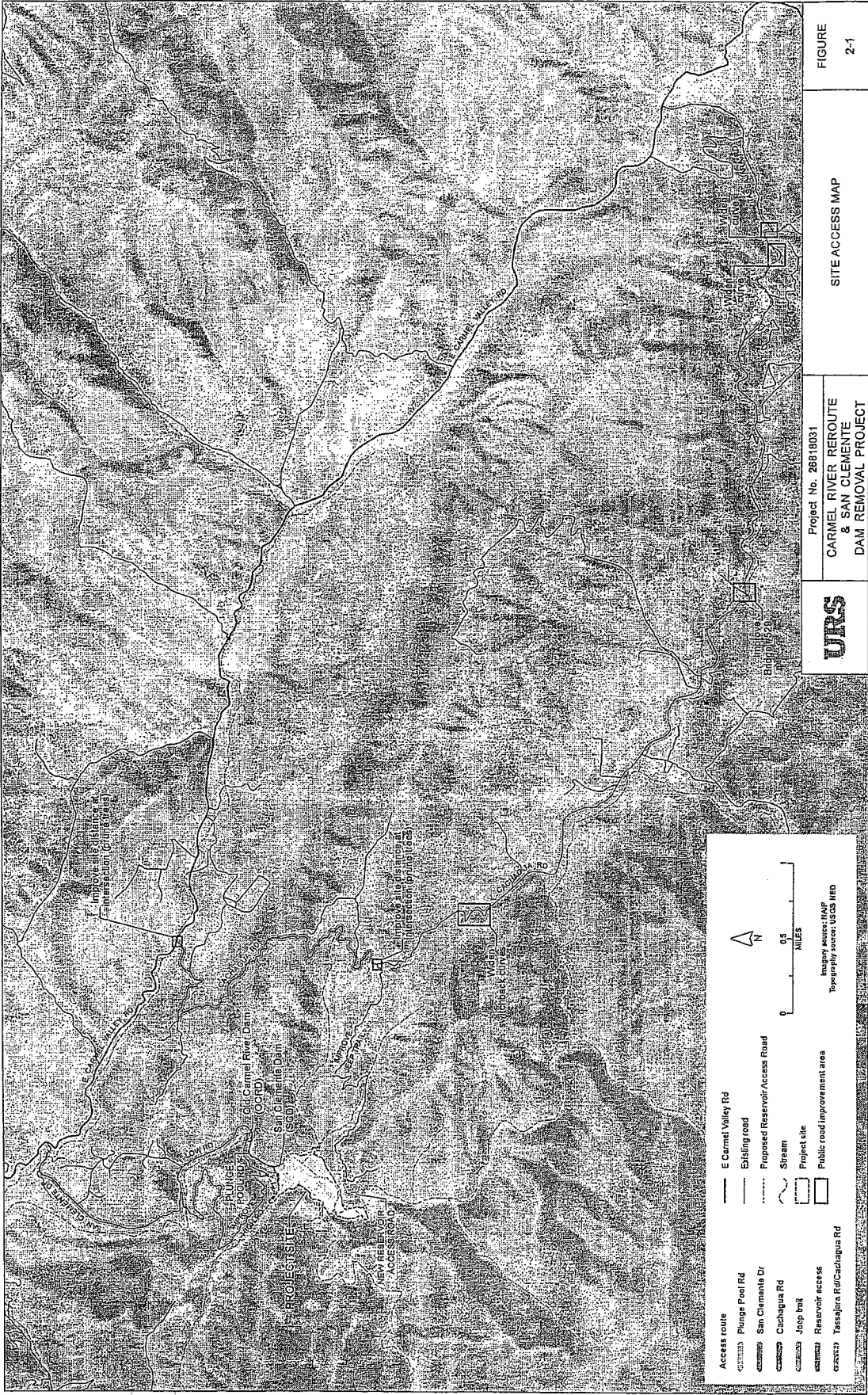
In addition to the road improvement discussed above, the San Clemente Drive bridge across Tularcitos Creek would need to be replaced, and two new bridges would need to be constructed, one across Carmel River at the Sleepy Hollow ford, and one across San Clemente Creek, to access the work area.

3.2 Jeep Trail Option

The Jeep Trail option would involve accessing the project work area via the Jeep Trail and a new reservoir access road, which would enter the site from east of the existing reservoir. The existing Jeep Trail is an access road owned and maintained by the Monterey Peninsula Regional Parks District (MPRPD), and extends from Cachagua Road, winding through the hillsides adjacent to the site. Depending on the type of construction traffic accessing the site, the route to the Jeep Trail would either be via Cachagua Road off of Carmel Valley Road, or via Tassajara Road off of Carmel Valley Road, connecting to south Cachagua Road (see Figure 2-1).

Improvements to the Jeep Trail would include improving approximately 11,500 linear feet of existing dirt road to a minimum width of 18 feet and providing a 12-foot wide travel surface of graded aggregate base (yellow highlights on Figure 2-1). The width increase would result in uphill and downhill daylight slopes along the alignment, impacting existing trees and habitat. A new reservoir access road (approximately 3,000 linear feet shown in magenta on Figure 2-1) would need to be constructed to connect the Jeep Trail to the work area.

In addition to the road improvements summarized above, a number of public road improvements would be required to accommodate construction traffic. Improvements would be needed in six separate locations (as shown on Figure 2-1) and would involve expanding the road width to allow for a greater turning radius, thinning vegetation to improvement sight distance, and adding structural supports to one bridge (Bridge #529 on Cachagua Road) to allow for the weight of construction equipment.



Project No. 26818031
**CARMEL RIVER REROUTE
 & SAN CLEMENTE
 DAM REMOVAL PROJECT**



FIGURE
 2-1

Access route

- E Carmel Valley Rd
- Plunge Pool Rd
- San Clemente Cr
- Cachagua Rd
- Joppa Rd
- Tesajine Rd/Cachagua Rd

Proposed Reservoir Access Road

- Proposed Reservoir Access Road

Stream

- Stream

Project site

- Project site

Public road improvement area

- Public road improvement area

Legend

- Improve site distance to Interception (0.1 miles)
- Improve site distance to Interception (0.15 miles)

Scale

0 0.5 1 MILES

North Arrow

Map Source

Map Source: DMF
 Topography source: USGS NED

4.0 CONCLUSIONS

Table 1 provides a summary of key components and impacts associated with the two access route options.

Table 1. Access Route Option Summary

Access Element	Jeep Trail Option	High Road Option
Length of Existing Road Improvement (18' width)	11,500 linear feet	14,300 linear feet
Existing Road Improvement Trees Impacted	352 trees	438 trees*
Length of New Road Construction	3,000 linear feet	3,300 linear feet
New Road Disturbance Footprint	2.8 acres	7.3 acres
New Road Trees Impacted	134 trees	291 trees
Total Trees Impacted	486 trees	729 trees
Existing Bridge Improvement	Minor improvements to Bridge #529 on Cachagua Road	Replacement of Bridge at Tularcitos Creek
New Bridge Construction and Associated Impacts	None	Two (2) New Bridges: at Sleepy Hollow Ford and San Clemente Creek

*Tree estimate for the High Road improvement is based on review of aerial photographs, and a resulting conclusion that tree impacts per linear foot would be similar to those associated with the Jeep Trail improvement.

The High Road option results in approximately 2,800 linear feet of additional road improvement, approximately 300 linear feet of additional new road construction, and 3 additional new or replacement bridges, compared to the Jeep Trail option. In addition, the High Road option results in a 50% increase in the number of trees impacted and an additional 4.5 acres of new road construction disturbance area/habitat, compared to the Jeep Trail option.

Exhibit G

Project Application
(Distributed in packet for
July 25, 2012 Workshop to
Planning Commissioners
only, on CD)

Exhibit H

Supplemental Application Materials

- Response to Request for Additional Permit Application Information (July 12, 2012)
- Attachments to Response to Request for Additional Permit Application Information
- Park and Ride Lot Locations
- Letter from National Marine Fisheries Service (July 31, 2012)



July 12, 2012

Robert Schubert, AICP
Senior Planner
Monterey County Resource Management Agency - Planning Department
68 W. Alisal Street, 2nd Floor
Salinas, CA 93901

Subject: Carmel River Reroute and San Clemente Dam Removal Project (PLN110373); Response to Request for Additional Permit Application Information

Dear Mr. Schubert:

The enclosed information has been prepared in response to your letter of May 16, 2012, that was addressed to John Kilpatrick of California American Water (CalAm Water). This information is provided to complete the County of Monterey Combined Development Permit (CDP) and Encroachment Permit application for the above referenced project. It is provided on behalf of the applicant as part of the initial application submitted on April 18, 2012.

A brief overview of six items requested by the County is provided below. More detailed information is presented in the specified attachments on the enclosed CD. The six items are:

1. **Dam Elevations:** In addition to photographs previously provided, the County requested elevation drawings further depicting vertical elements of the San Clemente Dam and the Old Carmel River Dam. These elevations and profiles are provided in Attachment A: *Dam Profiles and Elevations*.
2. **Water Sources and Volumes:** Project dewatering wells will be a primary source of water during portions of the construction seasons leading up to June 2014 and June 2015. For the remainder of the construction season during those two years pumped water from the Carmel River would be the primary water source. For 2013, and from 2015 to 2018, the river would be the only source of water for construction and irrigation. Table 1 in Attachment B: *Water Volumes and Sources*, presents the estimated monthly water volumes to be used for both construction and irrigation, expressed in cubic feet per second (cfs) and in acre-feet. The two figures provided in Attachment B show the location of the dewatering wells and the profiles of the related infrastructure. As discussed during a meeting with the County on July 2, 2012, the breakout of water use volume by source is not available at this time. However, given the County's statement that their primary concern is in regard to sufficient water flows for steelhead during the construction season, the National Marine Fisheries Service will provide a letter indicating that anticipated water extraction from the Carmel River for this project would not have an adverse effect upon anadromous fish or the quality of their habitat.
3. **Sensitive Receptors (Residential Properties):** The previously submitted Sensitive Receptors map has been modified to also depict residential properties. See Attachment C: *Sensitive Receptors*. Residential properties within 500 feet of the project boundary and project access routes are shown in brown; however, individual parcel numbers were not requested and are not provided with this submittal.
4. **n-site Parking:** On-site parking will be limited to twelve temporary parking spaces for equipment in use and vehicles for project personnel in order to minimize traffic effects to the local community. The staging areas that would contain these twelve spaces are shown in Attachment D: *Work Exclusion Zones*. The exact location of these spaces will be determined by the Design-Build (D-B) contractor and will be submitted to the County with a Traffic Control Plan.



Park and Ride Lot: The first phase of the project involves access road improvements beginning in the fall of 2012. During this initial phase, an existing Caltrans Park and Ride lot near the intersection of Laureles Grade Road and Highway 68 with 18 spaces and/or the Caltrans lot at the Crossroads Shopping Center with 33 spaces will be used. Laborers would be shuttled by minibus back and forth from this location to the access road improvements project sites.

A project-specific park and ride location will be identified by the Design-Build Contractor for subsequent use during construction work beginning in 2013. It is understood that a use permit to construct and operate a new park and ride facility will be required from the County.

5. Sensitive Areas: Attachment D: *Work Exclusion Zones* includes plans that demarcate the sensitive areas to be avoided. These sensitive areas include steep slopes, tree protection zones, critical habitats, etc.
6. Proof of Access: CalAm Water senior management is currently reviewing a draft agreement for an access easement with the Monterey Peninsula Regional Park District for use of the proposed Jeep Trail site access route. We anticipate a final, signed and registered agreement to be forthcoming in approximately the next three weeks.

We understand from your letter, and confirmed during our July 2, 2012, meeting that the submittal of a final Irrigation Plan, a Traffic Control Plan, a Health and Safety Plan (with list of hazardous materials), and a final Erosion Control Plan may be submitted at a later time by the D-B Contractor as a condition of permit approval prior to the start of construction.

Please telephone me at (408) 961-3441 or email john.chamberlain@urs.com regarding any additional questions or clarifications regarding the enclosed information. Thank you.

Sincerely,


John Chamberlain
URS Corporation

cc:

Trish Chapman, State Coastal Conservancy
Laura Engeman, State Coastal Conservancy
Joyce Ambrosius, National Oceanic and Atmospheric Administration, NMFS
Jeffery Szytel, Water Systems Consulting, Inc.
Richard Svindland, CalAm Water

Enclosure

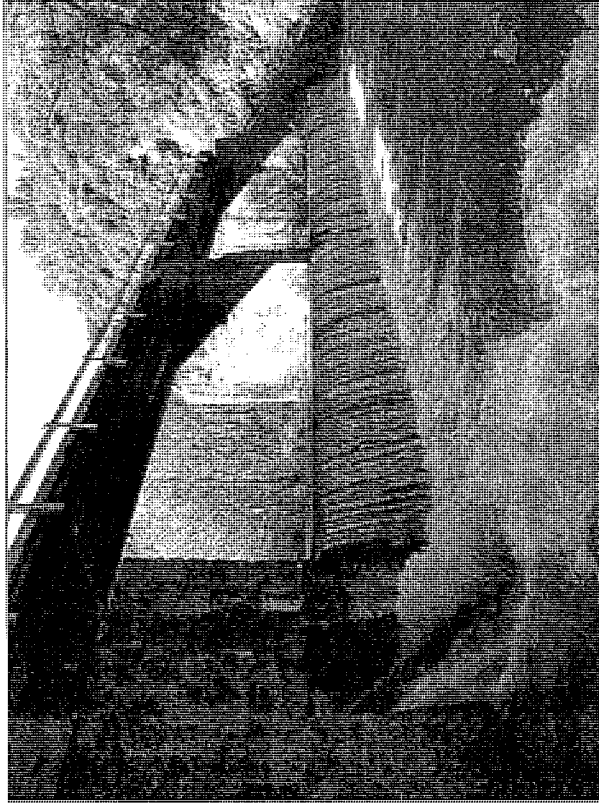
Attachment A:

DAM PROFILES AND ELEVATIONS



CALIFORNIA
AMERICAN WATER

CARMEL RIVER REROUTE AND SAN CLEMENTE DAM REMOVAL PROJECT OLD CARMEL RIVER DAM REMOVAL



CIVIL

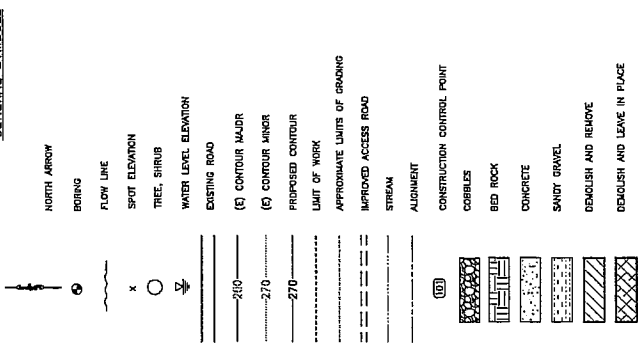
- No. G0 TITLE SHEET
- No. C1 NOTES AND LEGEND
- No. C2 SITE ACCESS
- No. C3 ACCESS IMPROVEMENT PLAN
- No. C4 EXISTING CONDITIONS
- No. C5 AERIAL PHOTO
- No. C6 DEMOLITION PLAN
- No. C7 PROPOSED CONDITIONS
- No. C8 RESTORATION PLAN
- No. C9 SITE CROSS-SECTIONS

NETWORKS	CARMEL RIVER REROUTE & SAN CLEMENTE DAM REMOVAL PROJECT CIVIL OLD CARMEL RIVER DAM REMOVAL TITLE SHEET
	CALIFORNIA AMERICAN WATER PROJECT, CALIFORNIA URS URS CORPORATION 1325 BROADWAY, SUITE 600 OAKLAND, CALIFORNIA 94612 PROJECT NO. 0540-0185-00 DRAWING NO. 0540-0185-00-01 DATE 03/01/2012 SCALE 1/8" = 1'-0" USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES
0540-0185-00	

FINAL BID SET

0540018500

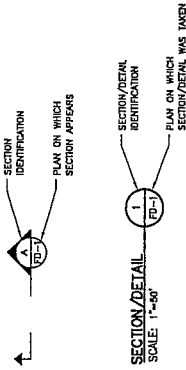
GENERAL SYMBOLS



GENERAL ABBREVIATIONS

APPROX	APPROXIMATE
BOT	BOTTOM
CAW	CALIFORNIA AMERICAN WATER
CRDR	CARMEL RIVER DERIVATIVE
Ø	DIAMETER
D/S	DOWNSTREAM
EG	EXISTING GROUND
(E), E	EXISTING
EL. ELEV	ELEVATION
EXIST	EXISTING
FAC	FACILITY
FACU	FACILITY UP AND
FACD	FACILITY DOWN AND
FACW	FACILITY WETLAND
FACG	FACILITY GROUND
HOR	HORIZONTAL
IN	INCH
INV	INVERT
MIN	MINIMUM
MAX	MAXIMUM
Ø, Ø, H	NEW
Ø, Ø, H	NOT TO SCALE
Ø, Ø, H	UPSTREAM
U/S	UPSTREAM
WSL	WATER SURFACE LEVEL

TYPICAL SECTION/DETAIL NUMBERING SYSTEM



- NOTES:**
- PROJECT COORDINATE SYSTEM AND VERTICAL DATUM ARE AS FOLLOWS:
 COORDINATE SYSTEM: NAD83, CALIFORNIA STATE PLANE ZONE 2
 VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29), FEET
 - TOPOGRAPHY AND EXISTING FEATURES BY VECTOR DRAWINGS (VERSION 2011) SHALL BE USED FOR THE PREPARATION OF THIS DRAWING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE TOPOGRAPHIC INFORMATION SHOWN AT 2' CONTOUR INTERVALS, UNLESS OTHERWISE STATED.
 - PROPOSED TOPOGRAPHIC CONTOUR INFORMATION IS SHOWN AT 2' CONTOUR INTERVALS, UNLESS OTHERWISE STATED.
 - LOCATIONS AND ELEVATIONS OF EXISTING FEATURES WERE DETERMINED USING A COMBINATION OF LIAR SURVEY DATA, AERIAL PHOTOGRAPHY, AND FIELD SURVEY DATA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE TOPOGRAPHIC INFORMATION SHOWN AT 2' CONTOUR INTERVALS, UNLESS OTHERWISE STATED.
 - ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE DRAWINGS AND THE MONTESITY COUNTY STANDARD DRAWINGS AND SPECIFICATIONS (AS APPLICABLE).
 - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE KNOWLEDGEABLE ABOUT AND OBEY ALL PERMIT REQUIREMENTS WHILE PERFORMING THE WORK SHOWN ON THESE DRAWINGS.
 - THE CONTRACTOR SHALL PRACTICE SAFETY AT ALL TIMES, PROVIDE SITE SECURITY, AND TAKE NECESSARY PRECAUTIONS TO PROTECT THE PUBLIC AT ALL TIMES.
 - THE CONTRACTOR SHALL HAVE COPIES OF THE APPROVED DRAWINGS AND SPECIFICATIONS ON THE SITE AT ALL TIMES, AND SHALL BE FAMILIAR WITH ALL APPLICABLE STANDARDS AND SPECIFICATIONS.

Underground
 Stop
 at
 Red
 Light
 1-800-227-2600
 TWO WORKING DAYS BEFORE YOU DIG

CARMEL RIVER DERIVATIVE & SAN CLEMENTE DAM REMOVAL PROJECT
CIVIL
OLD CARMEL RIVER DAM REMOVAL
NOTES AND LEGEND

CALIFORNIA AMERICAN WATER
 MONTEREY, CALIFORNIA

URS
 URS CORPORATION
 2000 CALIFORNIA STREET, SUITE 400
 OAKLAND, CALIFORNIA 94612

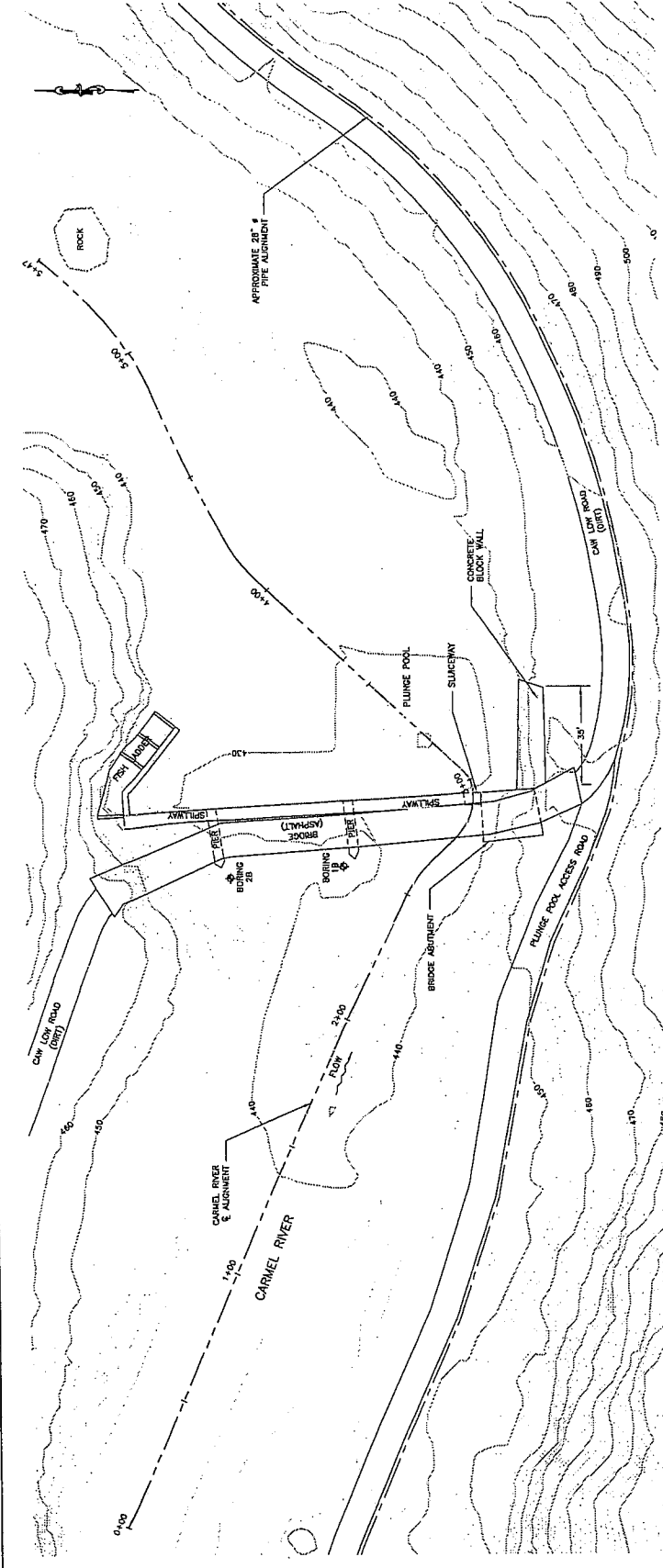
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 PROJECT: CRYA JAWAUBER
 APPROVED

USE DIMENSIONS ONLY
 FOR CONSTRUCTION PURPOSES

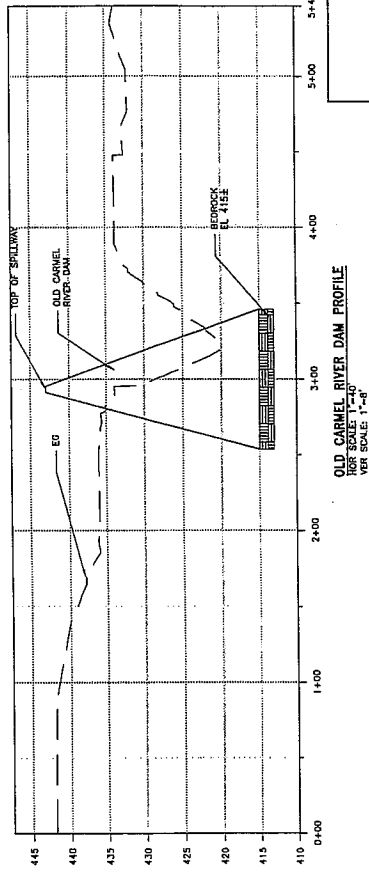
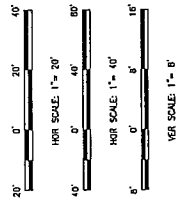
05-40-0185-C1

04/00185C1

FINAL BID SET



OLD CARMEL RIVER DAM PLAN
HOR SCALE: 1"=20'



OLD CARMEL RIVER DAM PROFILE
HOR SCALE: 1"=40'

- NOTES:
1. INFORMATION CONTAINED HEREIN WAS OBTAINED USING LOGS DATA PROVIDED BY THE SAN JUAN COUNTY ENGINEERS DATED JUNE 2011. THE BATHYMETRIC CONTOUR INFORMATION WAS BASED ON THE FIELD SURVEY DATA PROVIDED IN THE REPORT BY THE SAN JUAN COUNTY ENGINEERS DATED JUNE 2011. THE BATHYMETRIC CONTOUR INFORMATION WAS OBTAINED FROM THE SAN JUAN COUNTY ENGINEERS DATED JUNE 2011. THE BATHYMETRIC CONTOUR INFORMATION WAS OBTAINED FROM THE SAN JUAN COUNTY ENGINEERS DATED JUNE 2011.
 2. APPROXIMATE BORING LOCATIONS FROM WOODWARD CLUDE (1989). ASSOCIATED BORING DATA SHOWN FOR REFERENCE ONLY ON SHEET C-4.
 3. EXISTING BRIDGE SURFACE AND STRUCTURAL FEATURES SHOWN ARE FROM THE SAN JUAN COUNTY ENGINEERS (1989), AS DOCUMENTED IN THE SAN JUAN COUNTY DAM DESIGN RETROFIT DRAWINGS.
 4. BRIDGE NOT SHOWN FOR CLARITY.

REVISIONS

CARMEL RIVER RETROFIT & SAN CLEMENTE DAM REMOVAL PROJECT
OLD CARMEL RIVER DAM REMOVAL
EXISTING CONDITIONS

CALIFORNIA AMERICAN WATER
MONTICELT, CALIFORNIA

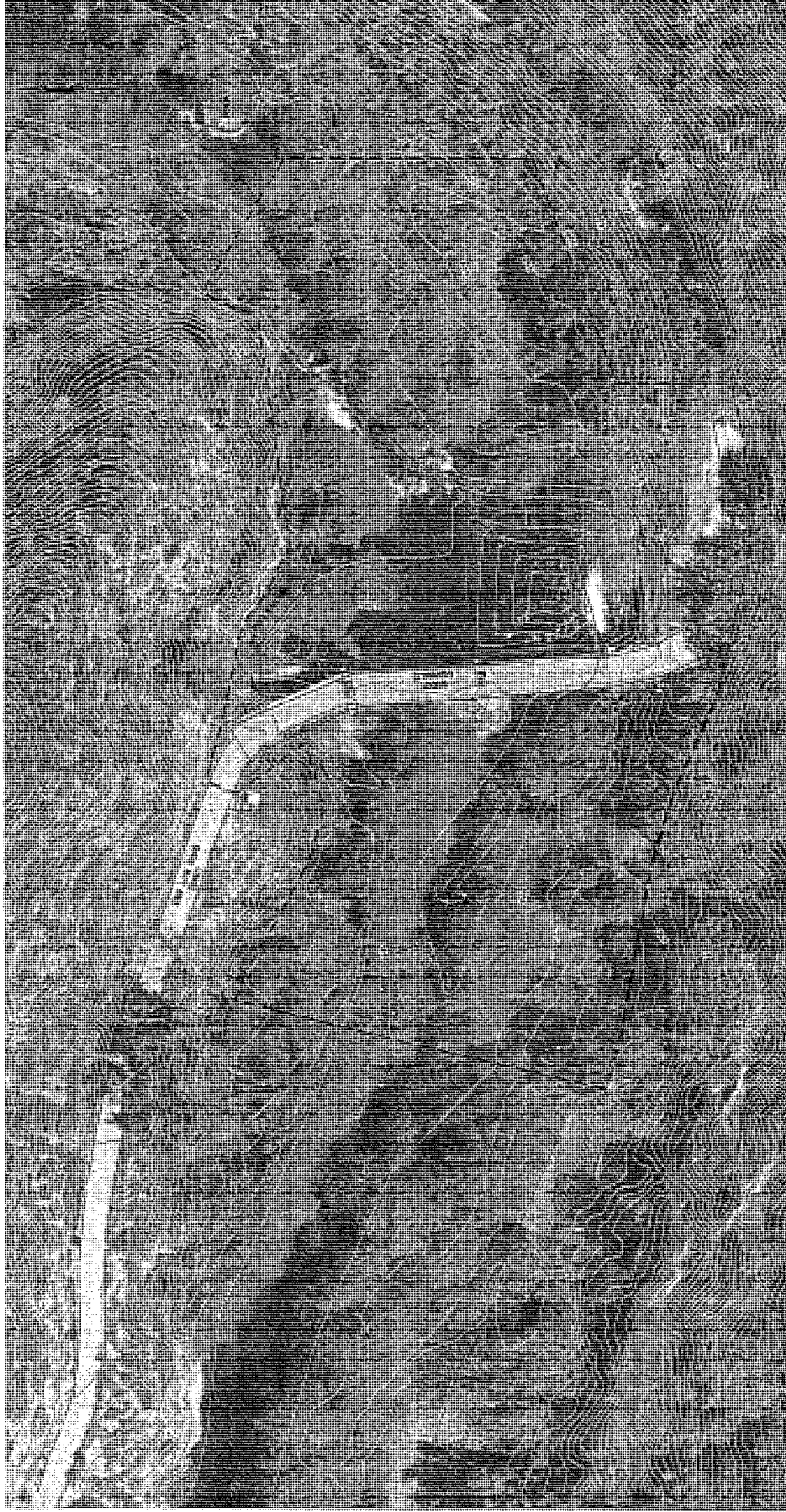
URS
SULLY CALIFORNIA
AMERICAN WATER
PROJECT # 0540-0185-01
DATE 03/01/2012
USE DRAWINGS ONLY
SCALE VARIES
APPROVED

USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES

0540-0185-C4

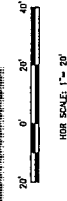
FINAL BID SET

05/15/2012



OLD CARMEL RIVER DAM PLAN
FOR SCALE 1"=20'

NOTES:
1. THE AERIAL PHOTO WAS PROVIDED BY RESTOR ENGINEERS DATED JUNE 2011.



REVISIONS

CARMEL RIVER REROUTE & SAN CLEMENTE DAM REMOVAL PROJECT
OLD CARMEL RIVER DAM REMOVAL
AERIAL PHOTO

CALIFORNIA AMERICAN WATER
MONTREY, CALIFORNIA

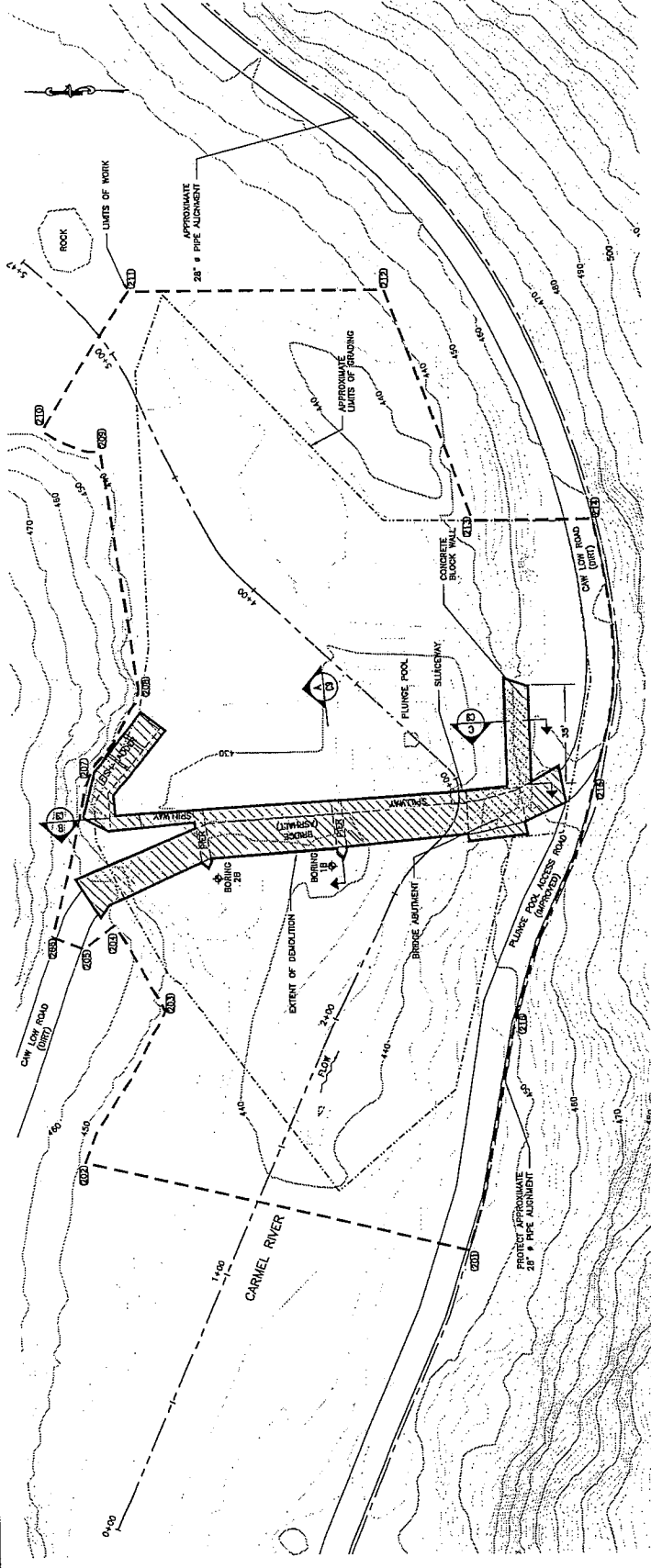
URS CALIFORNIA
AMERICAN WATER

URS CORPORATION
1332 BROADWAY, SUITE 800
DUBLIN, CALIFORNIA 94568
PHONE: 916.481.4000
FAX: 916.481.4001
DATE: 09/01/2012
PROJECT: 246185-01
APPROVED

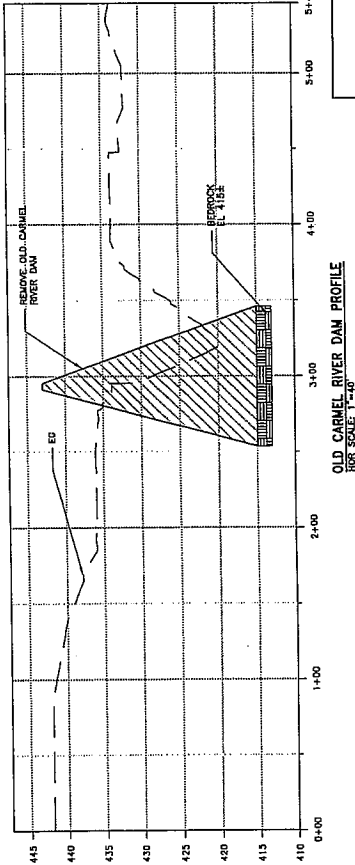
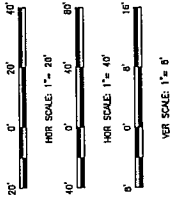
USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES

0540-0185-C5
05/01/2012

FINAL BID SET



OLD CARMEL RIVER DAM PLAN
HOR SCALE 1"=20'



OLD CARMEL RIVER DAM PROFILE
HOR SCALE 1"=40'
VER SCALE 1"=6'

- NOTES:
1. THE TOPOGRAPHIC CONTOUR INFORMATION WAS COMPILED USING LEASAR DATA PROVIDED BY BESTOR ENGINEERS DATED JUNE 20, 2007. ALL DATA IS PROVIDED IN THE SUPPLEMENTAL CHANNEL SURVEY REPORT PREPARED BY INTER-FLUVE, INC. DATED NOVEMBER 2009.
 2. DEMOLITION, Dewatering and DIVERSION SHALL BE IN ACCORDANCE WITH SECTION 3.
 3. BRIDGE NOT SHOWN FOR CLARITY.

CARMEL RIVER REROUTING & SAN CLEMENTE DAM REMOVAL PROJECT
CIVIL
OLD CARMEL RIVER DAM REMOVAL
DEMOLITION PLAN

URS CORPORATION
300 SOUTH MAIN STREET
SAN ANTONIO, CALIFORNIA 78215
DATE: 03/02/12
PROJECT ENGINEER: J. RAUTER
APPROVED: [Signature]

USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES

0540-0185-C6
FINAL BID SET

NETWORKS

USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES

0540-0185-C6

FINAL BID SET

0540-0185-C6

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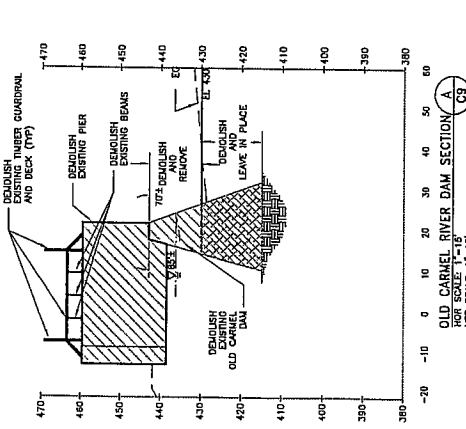
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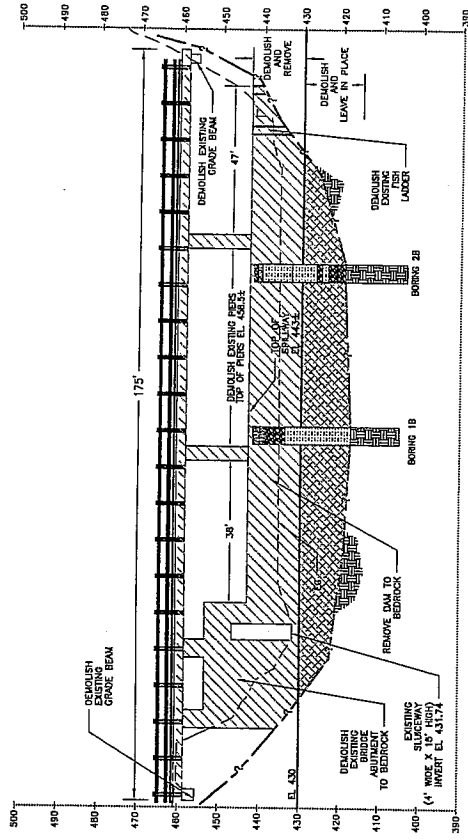
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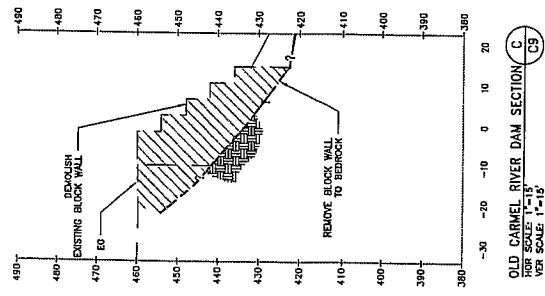


OLD CARMEL RIVER DAM SECTION A
 HOR SCALE 1"=15'
 VER SCALE 1"=15'



OLD CARMEL RIVER DAM SECTION B
 HOR SCALE 1"=15'
 VER SCALE 1"=15'

- NOTE:
 1. EXISTING SURFACE FEATURES AND CROSS-SECTION DATA PRESENTED HERE ARE FROM SURVEY RETROFIT OF SAN CLEMENTE DAM, OLD CARMEL DAM BRIDGE DEMOLITION PLAN DRAWINGS PREPARED BY WOODWARD CLYDE CONSULTANTS IN 1988.
 2. BORING DATA IS PROVIDED FOR REFERENCE ONLY. BORINGS WERE DRILLED UPSTREAM OF OLD CARMEL RIVER DAM AS PART OF THE GEOTECHNICAL INVESTIGATION CONDUCTED BY WOODWARD CLYDE IN OCT 1987.
 3. DEMOLISH EXISTING CONCRETE BLOCK WALL TO BEDROCK. ADJUST FINAL EXCAVATION GRADE AS DIRECTED BY THE ENGINEER.



OLD CARMEL RIVER DAM SECTION C
 HOR SCALE 1"=15'
 VER SCALE 1"=15'

CARMEL RIVER RETROFIT & SAN CLEMENTE DAM REMOVAL PROJECT OLD CARMEL RIVER DAM REMOVAL SITE CROSS-SECTIONS	
CALIFORNIA AMERICAN WATER MONTEREY, CALIFORNIA	
URS CORPORATION 1333 BROADWAY, SUITE 800 OAKLAND, CALIFORNIA 94612 PHONE: 415.774.3000 FAX: 415.774.3001 PROJECT: 2816031 SCALE: T-15' USE DIMENSIONS ONLY APPROVED FOR CONSTRUCTION PURPOSES	
REVISES	0540-0185-C9

FINAL BID SET

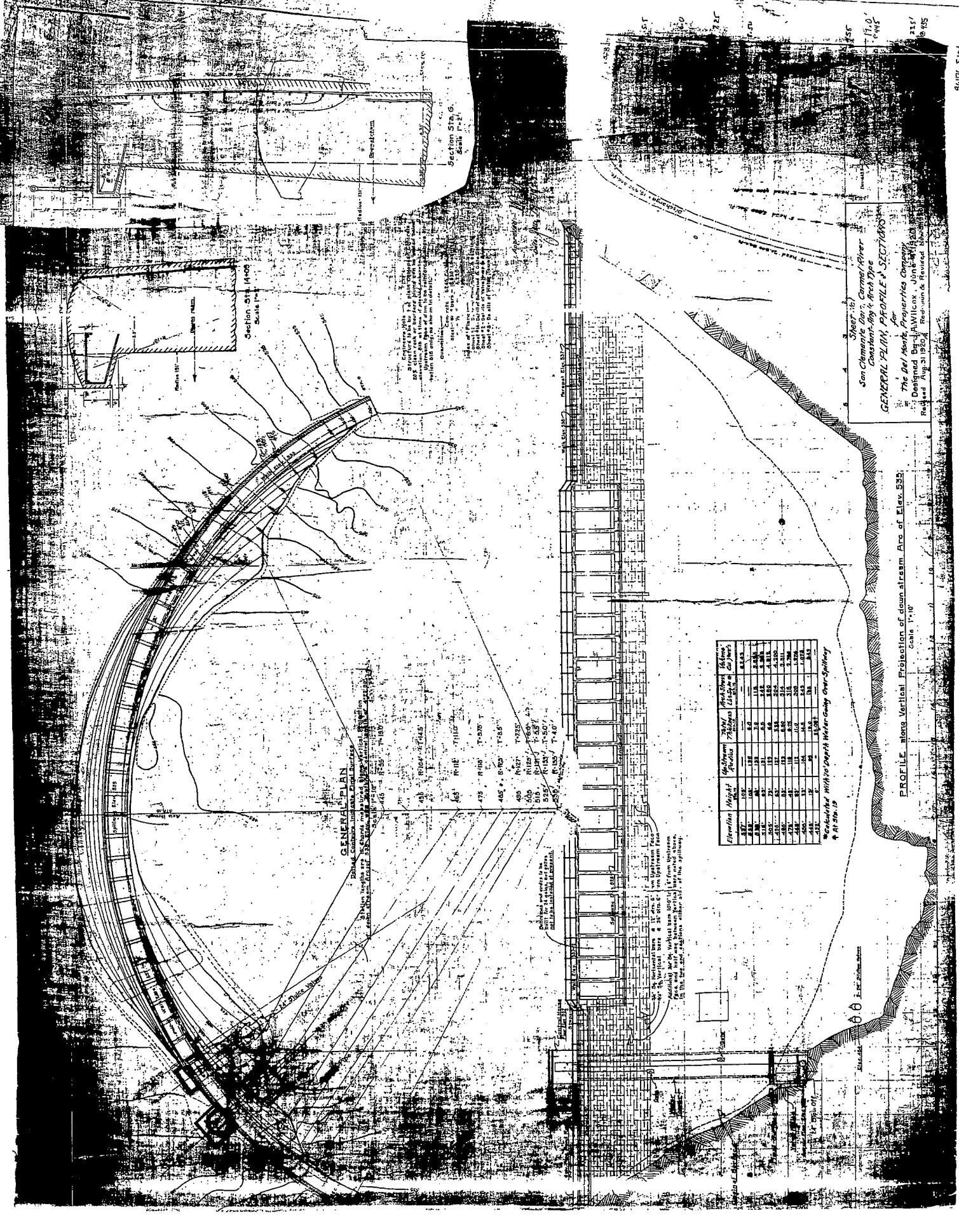
9540185C9

REFERENCE INFORMATION DOCUMENT RID-D

Record Drawings – San Clemente Dam

Reference Information Document RID-D Contents

RID-D-01	General Plan & Profile
RID-D-02	Concrete Pour Section
RID-D-03	Concrete Specimen Tests
RID-D-04	Steel Spillway Gate
RID-D-05	Proposed and Constructed Dam, Plan & Profile
RID-D-06	Quonset Hut, Plan & South Wall
RID-D-07	Quonset Hut, South Wall & Electrical Panel
RID-D-08	Quonset Hut, West & North Walls
RID-D-09	Dam Dimensions
RID-D-10	Dam Data Sheet, 2 of 4
RID-D-11	Dam Data Sheet, 3 of 4
RID-D-12	Details of Buttresses and Gate Guides
RID-D-13	Details of Valve House and Base of Watertower
RID-D-14	Fishway Details, Sheet 1
RID-D-15	Fishway Details, Sheet 2
RID-D-16	Fishway Details, Sheet 3
RID-D-17	Fishway Details, Sheet 4



Section Sta. G.
Scale 1"=2'

Section Sta. H.
Scale 1"=2'

GENERAL PLAN

22' 6" width of spillway
10' 6" width of abutment
10' 6" width of end wall
10' 6" width of side wall

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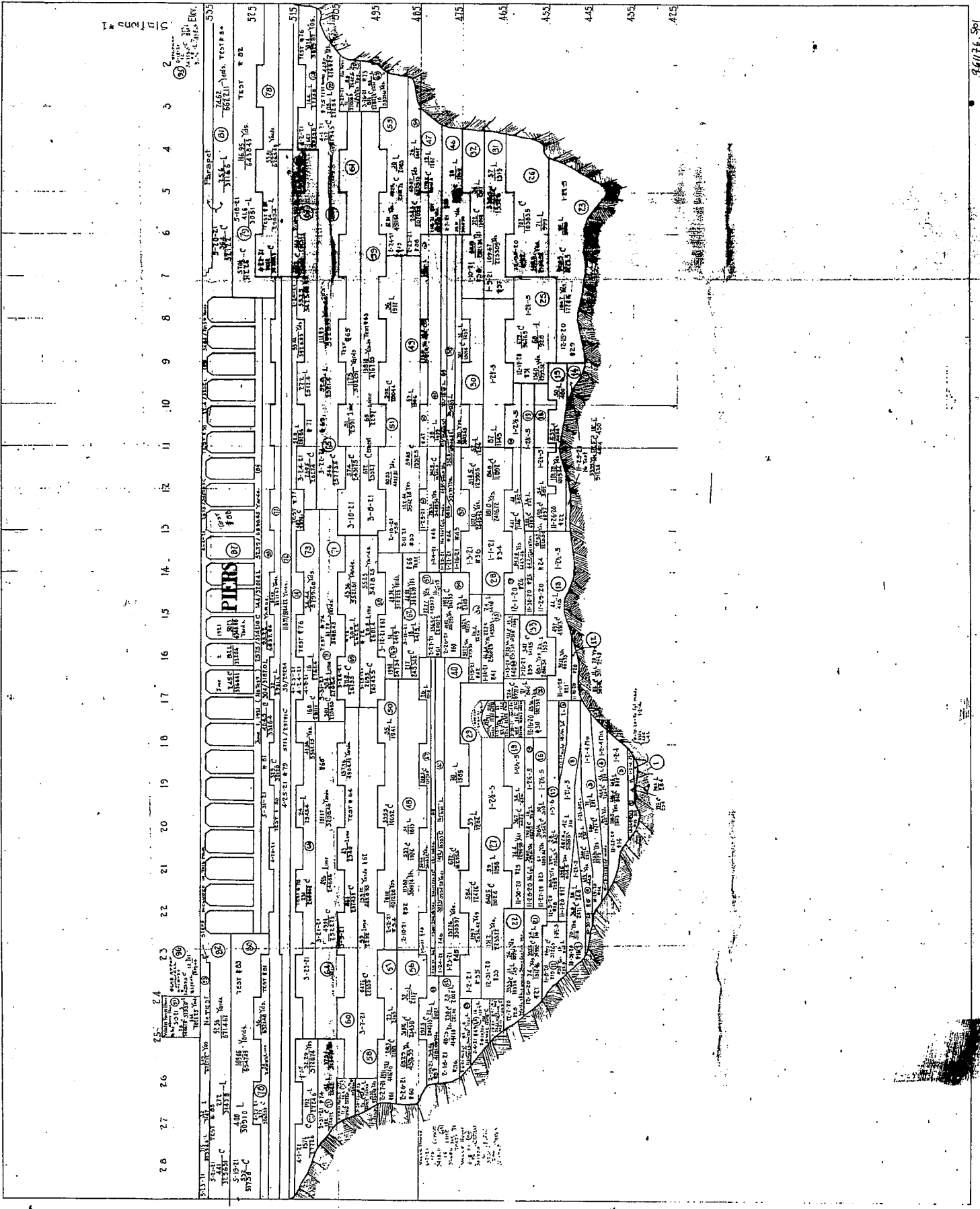
Elevation	Height Above Spillway Crest (Feet)	Area (Square Feet)	Volume (Cubic Feet)
1010	1.0	1.0	1.0
1020	2.0	4.0	8.0
1030	3.0	9.0	27.0
1040	4.0	16.0	64.0
1050	5.0	25.0	125.0
1060	6.0	36.0	216.0
1070	7.0	49.0	343.0
1080	8.0	64.0	512.0
1090	9.0	81.0	729.0
1100	10.0	100.0	1000.0
1110	11.0	121.0	1331.0
1120	12.0	144.0	1728.0
1130	13.0	169.0	2197.0
1140	14.0	196.0	2744.0
1150	15.0	225.0	3375.0
1160	16.0	256.0	4096.0
1170	17.0	289.0	4913.0
1180	18.0	324.0	5832.0
1190	19.0	361.0	6859.0
1200	20.0	400.0	8000.0
1210	21.0	441.0	9261.0
1220	22.0	484.0	10648.0
1230	23.0	529.0	12167.0
1240	24.0	576.0	13824.0
1250	25.0	625.0	15625.0
1260	26.0	676.0	17576.0
1270	27.0	729.0	19683.0
1280	28.0	784.0	21952.0
1290	29.0	841.0	24389.0
1300	30.0	900.0	27000.0
1310	31.0	961.0	29781.0
1320	32.0	1024.0	32736.0
1330	33.0	1089.0	35869.0
1340	34.0	1156.0	39184.0
1350	35.0	1225.0	42685.0
1360	36.0	1296.0	46376.0
1370	37.0	1369.0	50261.0
1380	38.0	1444.0	54344.0
1390	39.0	1521.0	58629.0
1400	40.0	1600.0	63120.0
1410	41.0	1681.0	67821.0
1420	42.0	1764.0	72736.0
1430	43.0	1849.0	77869.0
1440	44.0	1936.0	83224.0
1450	45.0	2025.0	88805.0
1460	46.0	2116.0	94616.0
1470	47.0	2209.0	100661.0
1480	48.0	2304.0	106944.0
1490	49.0	2401.0	113469.0
1500	50.0	2500.0	120240.0

Vertical Height of Down Stream
From Spillway Crest to
Center of Gravity of
Water Above Spillway

PROFILE along Vertical Projection of down stream Arc of Elev. 595.

Scale 1"=10'

San Clemente Co., Carmel River
Constant-Top Arch Dam
GENERAL PLAN, PROFILE & SECTIONS
The Del Norte Properties Company
Designed by A. Wilcox, June 1920
Revised Aug. 31, 1920. Redrawn & Revised November 1920



CONCRETE SPECIMEN TESTS SAN CLEMENTE DAM

Legend:

These Tests were made on Specimens 5x6 in diameter and 12 in long. Six specimens were taken from any carload of concrete of each day pour. They were packed in wet sawdust and kept for seven (7) days, after which they were removed from the sawdust and the plastic boards were removed. Two of the specimens were then weighed and measured and crushed, the other four were stored in a large room and no special effort was made to keep them damp until the time for them to be crushed.

A Weibull-Seaver-Torcon 200 TON tire press with a 10" hydraulic ram was used for crushing specimens. Three different pressure gauges were used for measuring the crushing loads of the specimens of different ages. A 5000# Gauge for the ones that crushed at low pressures and 1000 and 2000# Gauges for the ones that required greater pressures.

About half the specimens were coated on both ends with plaster of paris and every effort was made to have the end planes parallel, the others were crushed without coating the ends, extensive experimenting showed that coating the ends had little effect on the compressive strength as great care was taken in making the specimens to have them on a level surface and setting plumb.

Specimens 12-12 inclusive were made before the concrete work was started so are not listed in this table. They were made for the purpose of determining the best mix to use in the dam and were crushed by Smith, Emery and Co. of San Francisco.

Specimens 13-21 inc. were from material stored in the river bottom which was the straight run of the Jaw crusher, the sand and rock were separated by means of a screen and no washing was done.

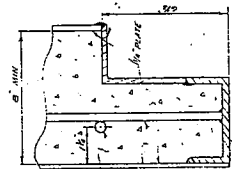
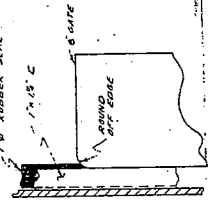
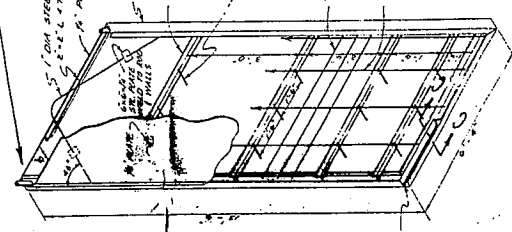
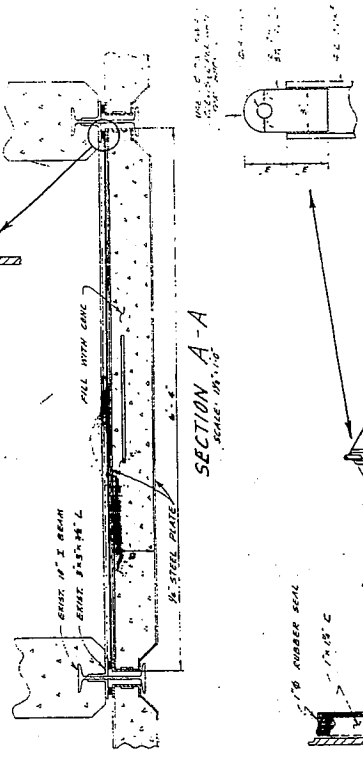
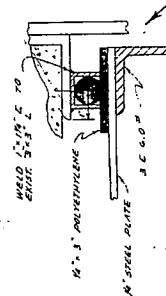
Specimens 22-90 were from material stored on the flat at the west end of the dam, all of which went through the gyratory crusher and the screening and washing plant.

DATE OF TYPING	Specimen No.	STATION	Elevation	C. No.	MIX	7 Days		28 Days		AVERAGE WEIGHT
						DATE TESTED	WATER	DATE TESTED	WATER	
10-26-21	15	6 4245436	1100	1012	2-24	11-22	1100	1100	1100	15.2
10-26-21	14	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
10-30-20	13	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
10-30-20	12	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
11-2-20	17	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
11-2-20	16	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
11-5-20	19	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
11-5-20	18	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
11-11-20	21	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
11-11-20	20	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
11-26-21	21	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
11-27-21	23	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
11-29-20	24	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
11-30-20	25	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
12-2-20	26	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
12-2-20	27	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
12-15-20	29	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
12-17-20	31	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
12-30-20	32	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
12-31-20	33	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
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1-3-21	36	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
1-9-21	38	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
1-12-21	40	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
1-14-21	41	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
1-16-21	43	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
1-21-21	44	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
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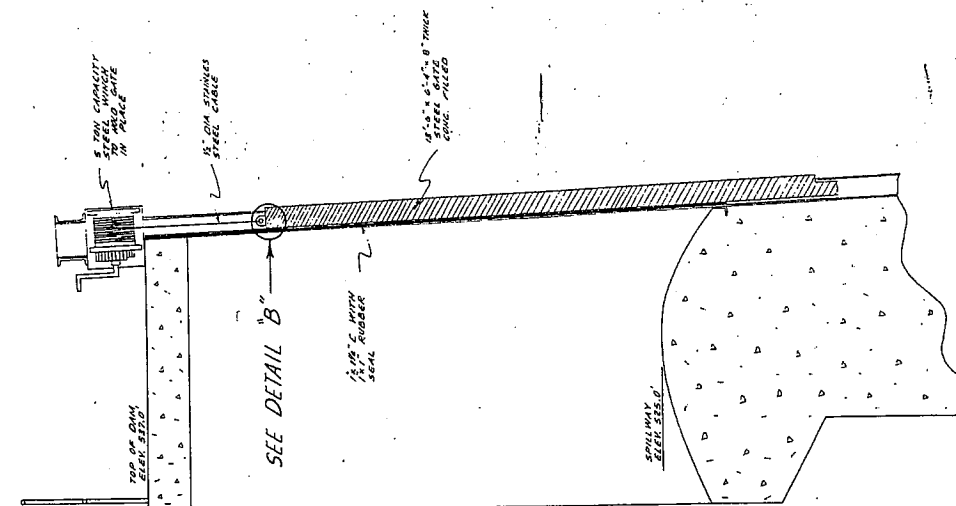
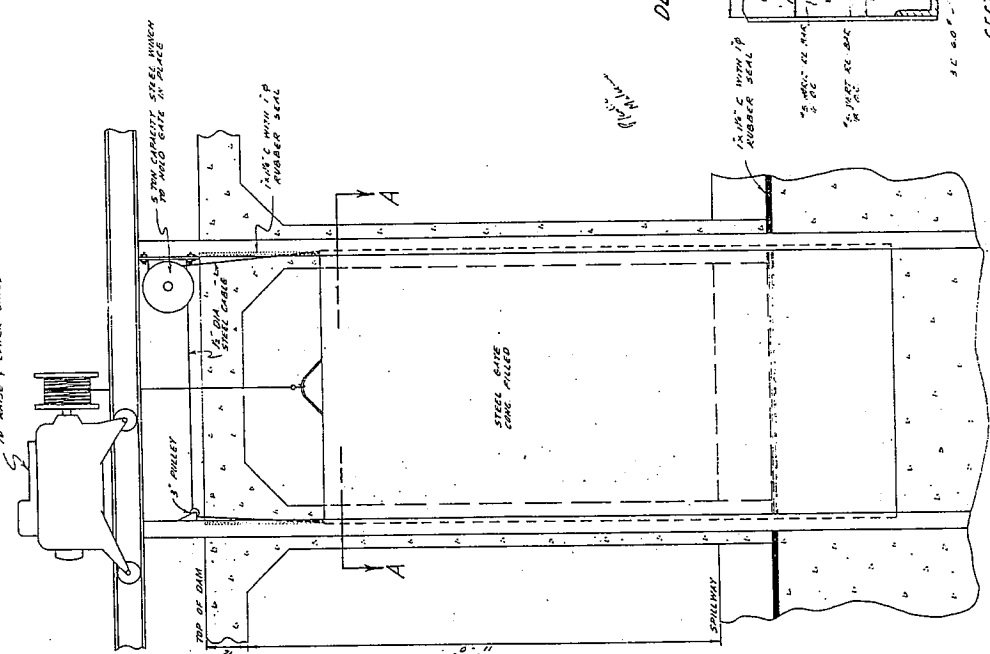
DATE OF TYPING	Specimen No.	STATION	Elevation	C. No.	MIX	7 Days		28 Days		AVERAGE WEIGHT
						DATE TESTED	WATER	DATE TESTED	WATER	
10-26-21	15	6 4245436	1100	1012	2-24	11-22	1100	1100	1100	15.2
10-26-21	14	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
10-30-20	13	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
10-30-20	12	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
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11-5-20	18	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
11-11-20	21	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
11-11-20	20	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
11-26-21	21	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
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11-29-20	24	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
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1-9-21	38	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
1-12-21	40	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
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1-16-21	43	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
1-21-21	44	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2
1-23-21	45	6 4434433	1100	1012	2-24	11-22	1100	1100	1100	15.2

6712
96176 3601
57-3

WELD 1/2" x 1/2" x 7/8"
GRADE 50-55 L



MOVABLE GATE MUST
TO RISE / LOWER GATES

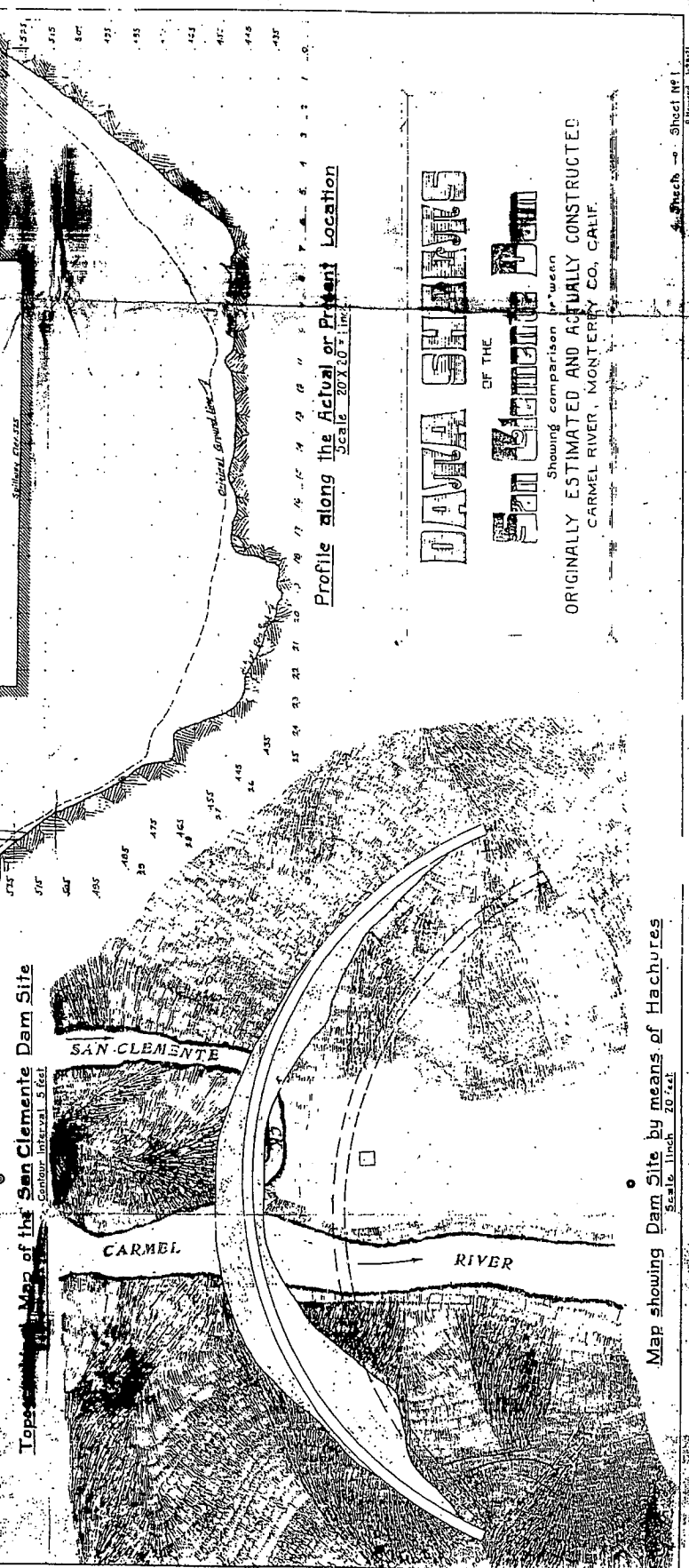
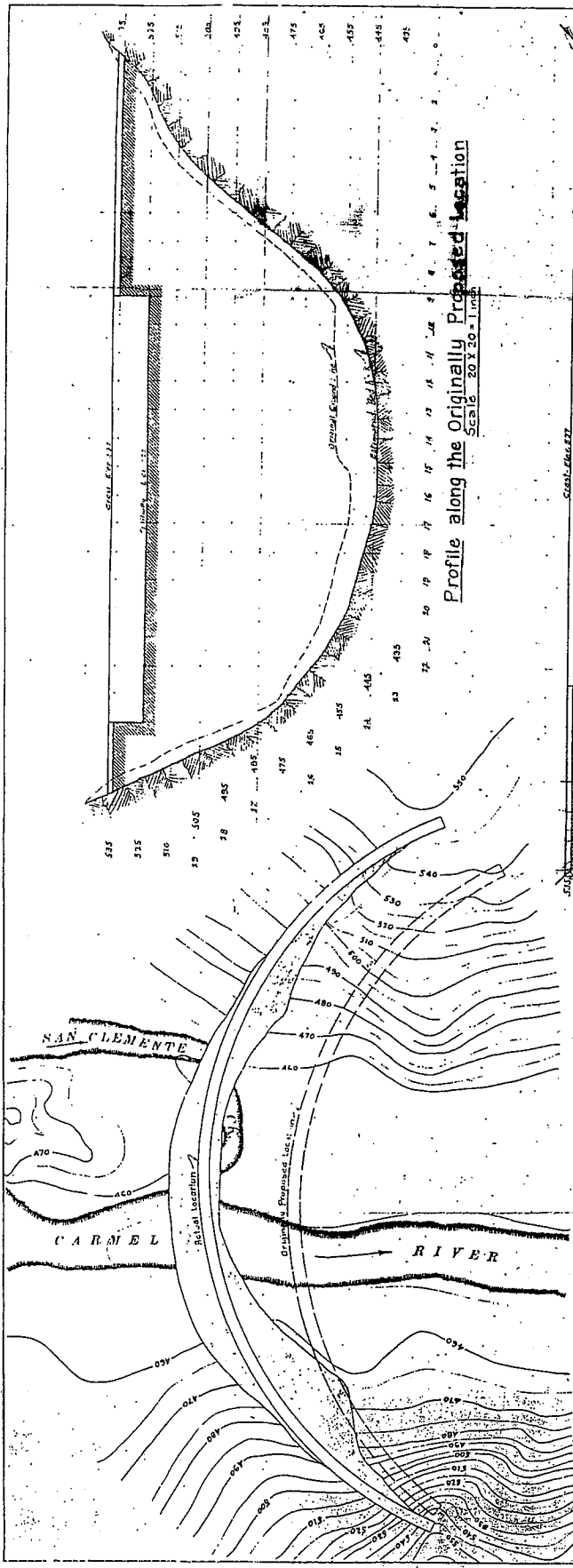


DATE	DESCRIPTION

PROPOSED STEEL
SPILLWAY GATE AT
SAN CLEMENTE DAM

Scale: 1/4" = 1'-0"

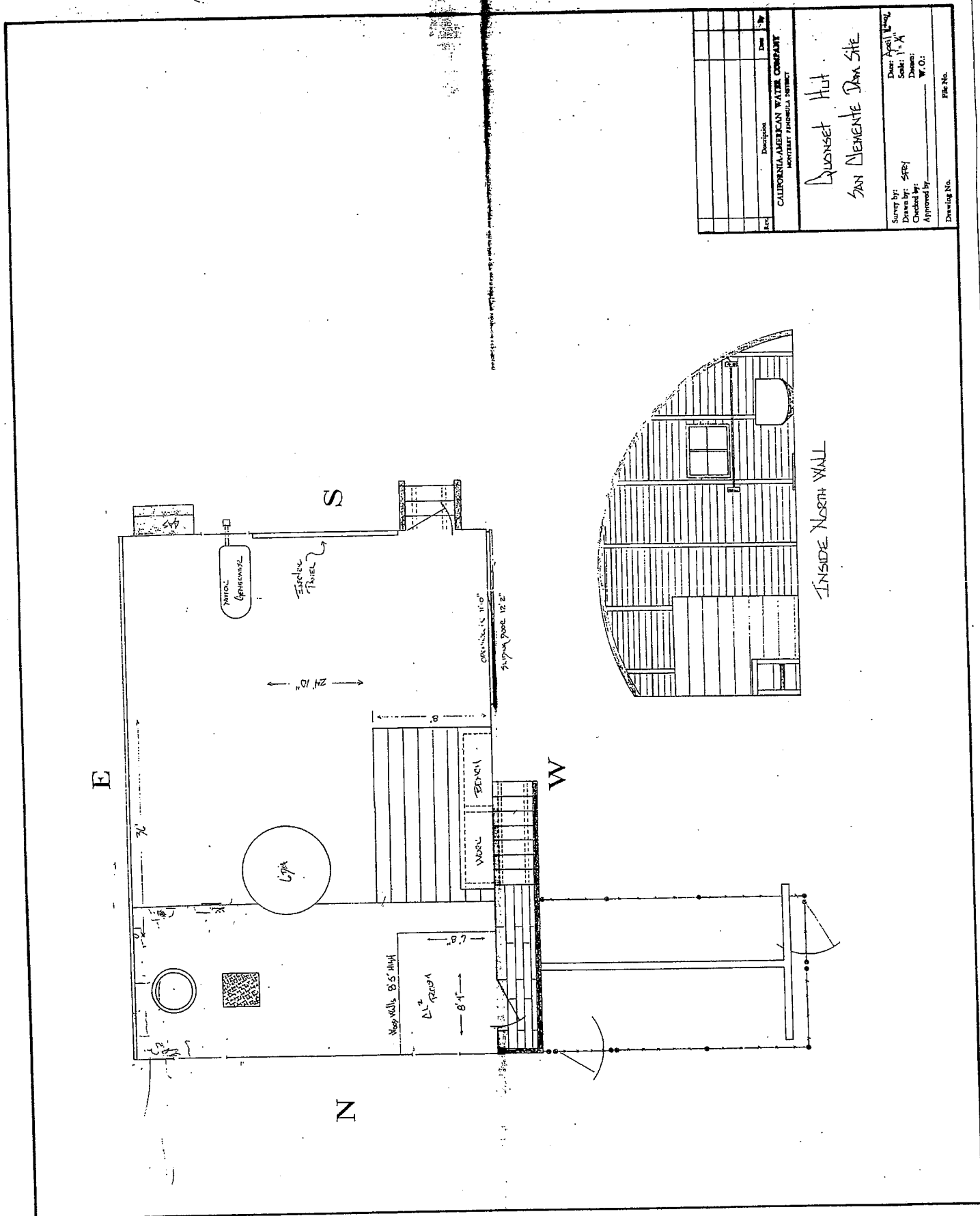
Drawn by: B-4-3
Checked by:
Approved by:
Date: 4-2-52



DATA SHEETS
 OF THE
SAN CLEMENTE DAM

Showing comparison between
 ORIGINALLY ESTIMATED AND ACTUALLY CONSTRUCTED
 CARMEL RIVER, MONTEREY CO., CALIF.

Map showing Dam Site by means of Hachures
 Scale: 1 inch = 20 feet



No.	Description	Date

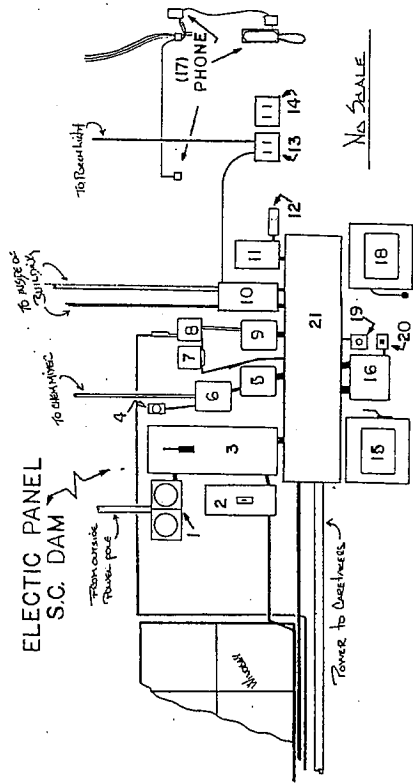
CALIFORNIA-AMERICAN WATER COMPANY
 SAN JUAN DAM PROJECT

Guard House
SAN JUAN DAM SITE

Drawn by: SPY
 Checked by: W. O.
 Approved by: _____

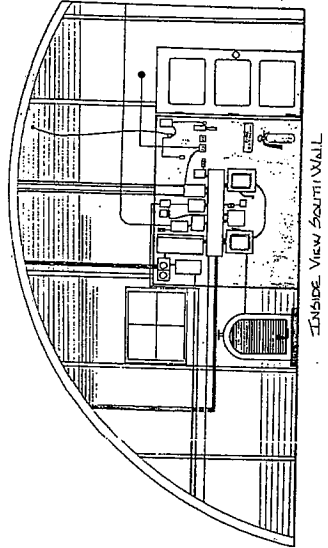
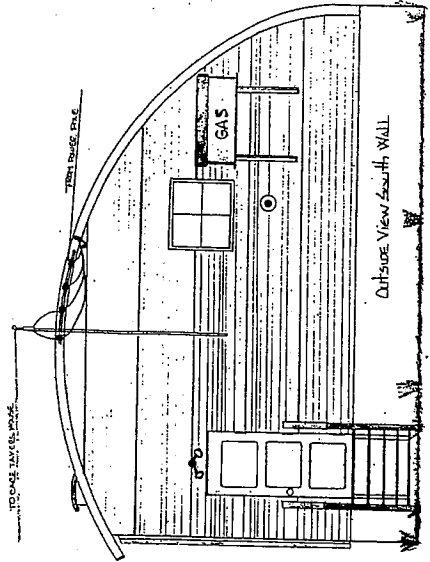
Date: April 1954
 Scale: 1" = 4'
 Drawing No. _____

**ELECTRIC PANEL
S.C. DAM**

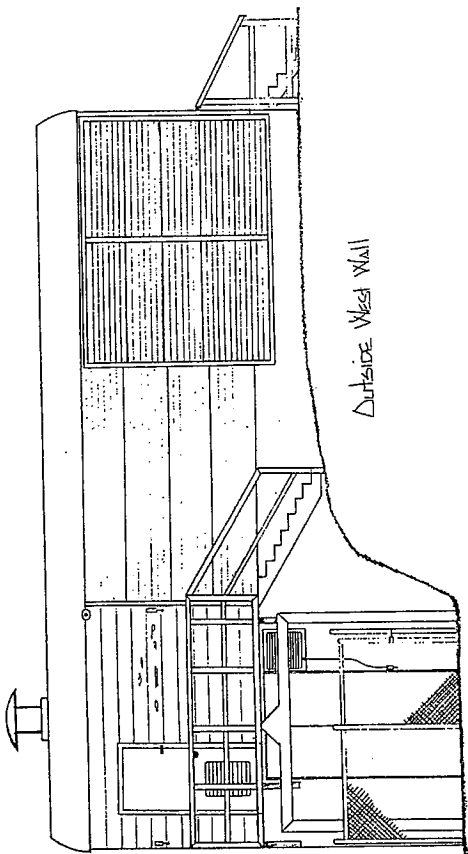


NOTES:

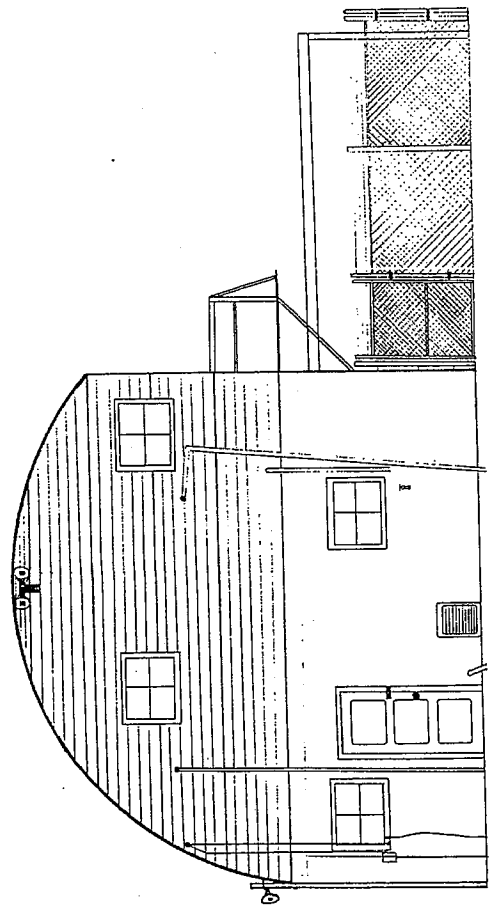
- 1) RGSE Electric Meters
- 2) Hoist Main Breaker (240 volts)
- 3) Main Switch from RGSE to Voltage Selector Switch (240 volts)
- 4) 240 Volt 3-phase Chem Mixer
- 5) Pump Unit - Circuit Breaker
- 6) 240 Volt 3-phase Chem. Mixer Outlet
- 7) S/C Ckt. Turbidity Meter 240 Volts
- 8) Turbidity Meter Pump Switch, P.T.I. Trans. P.T.I.
- 9) 240 Volt Main Switch Branch Ckt. for Meters & Chem. Feeders
- 10) 120 Volt Bus Fuse Panel Ckt. - Nibels, Inside
- 11) 120 Volt Secondary Power to Care Takers House
- 12) 120 Volt Plugs
- 13) Switch-1 for Dam Quartz Floods--2 for Porch Light
- 14) Switch-1 for Inside Lights--2 for Outside Back Hall
- 15) RGSE to Generator Selector Switch
- 16) Phone Receptacles (240 volts)
- 17) Phone
- 18) Generator (1 ph)--RGSE (1 ph)
- 19) S/G Ckt. Relay 24 Volt coil 240 Volt Contacts
- 20) Pump Auto Start to Pump Manual Start Switch
- 21) Tie IN Box (240 Volts)



Item	Description	Date	By
CALIFORNIA-AMERICAN WATER COMPANY MONTEBELT IRVINGDALE DISTRICT			
Approved: ALONSO H. HUT SAN VICENTE DAM SITE			
Survey by:	Date: April 1954		File No.
Drawn by: SFR	Scale: 1/8" = 1'-0"		
Checked by:	Drawing No.		
Approved by:	W. O.:		



Outside West Wall



Outside North Wall

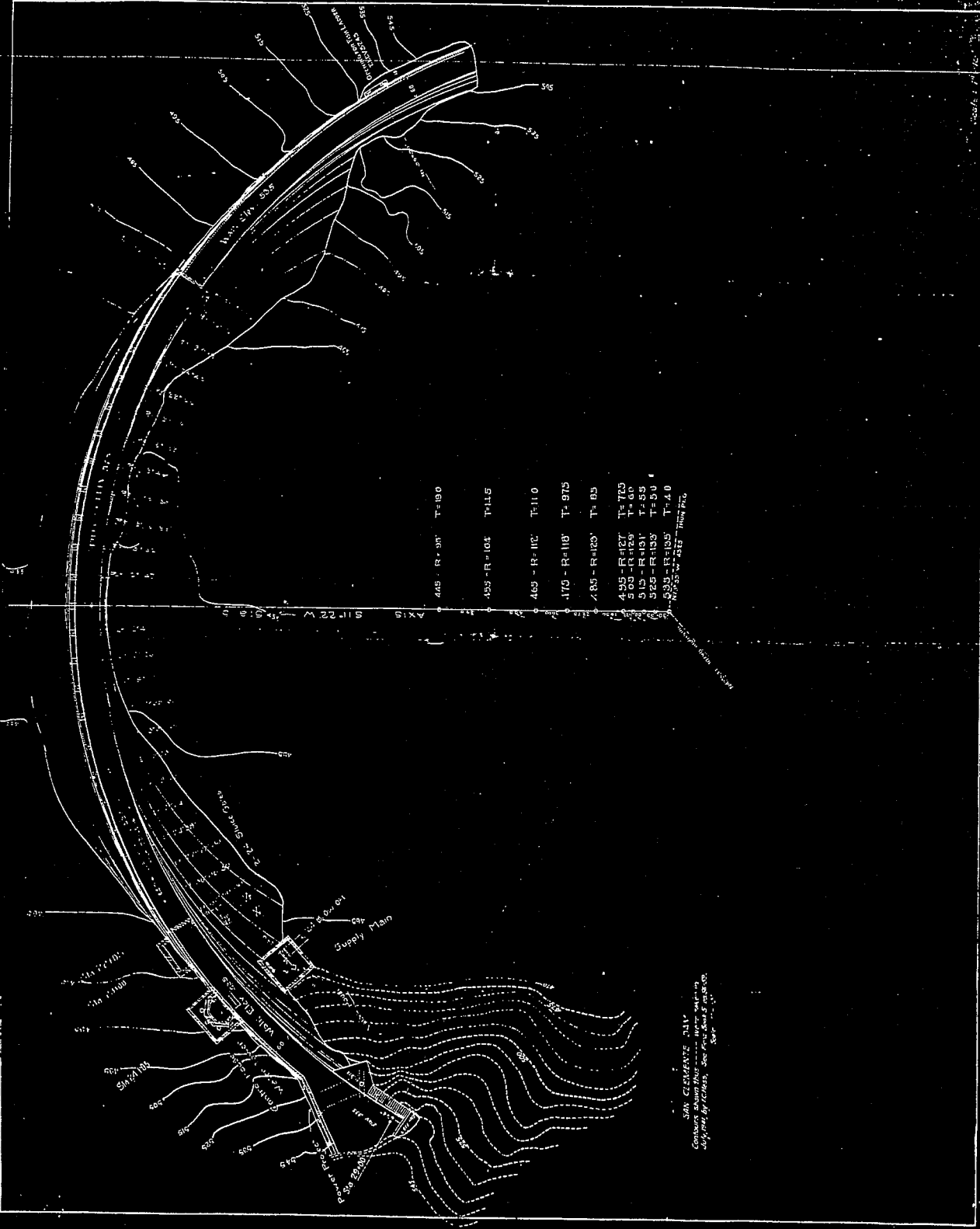
Item	Description	Date	By

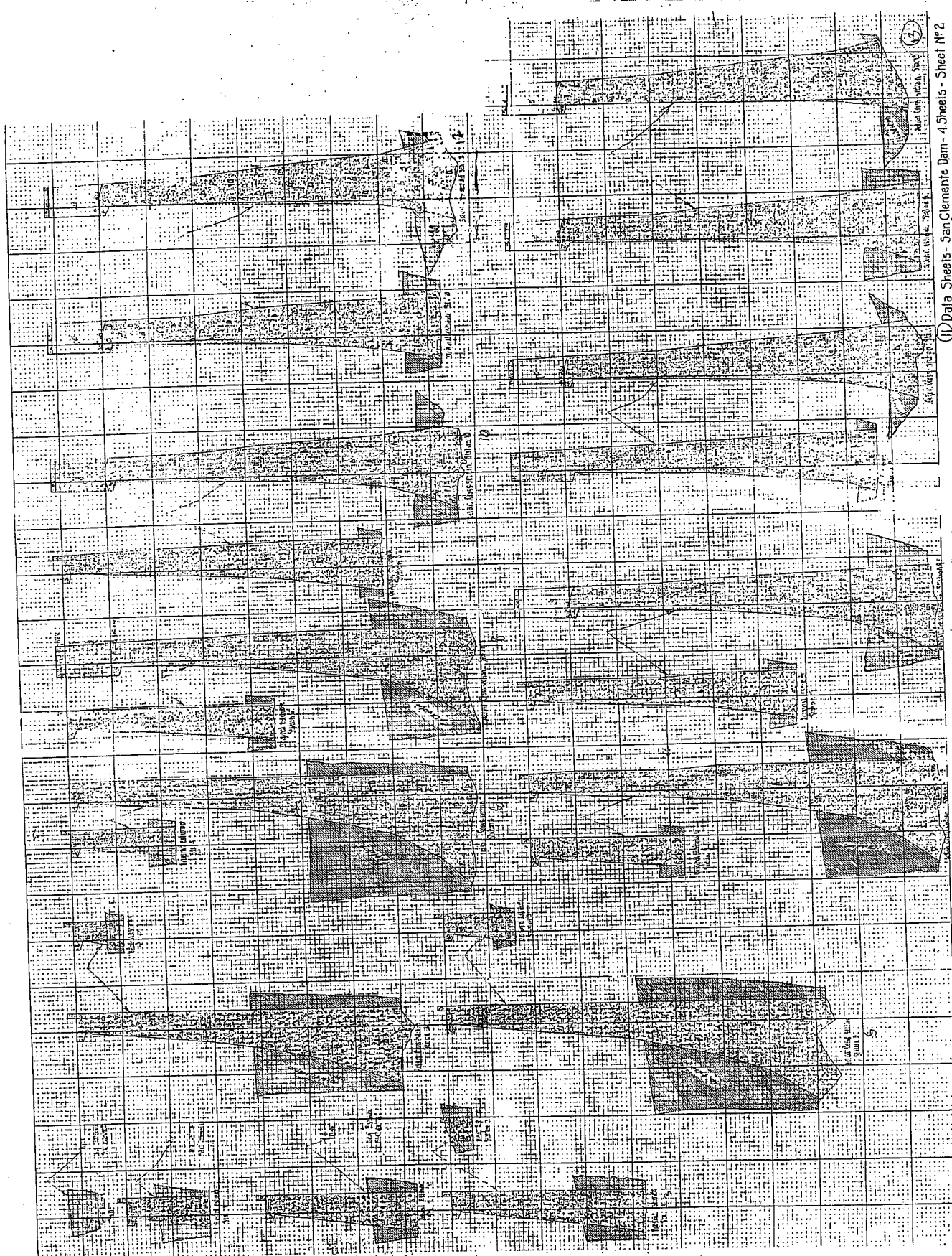
CALIFORNIA AMERICAN WATER COMPANY
 INCORPORATED, MEMPHIS, TENNESSEE

QUONSET HUT
 SAN CLEMENTE DAM SITE

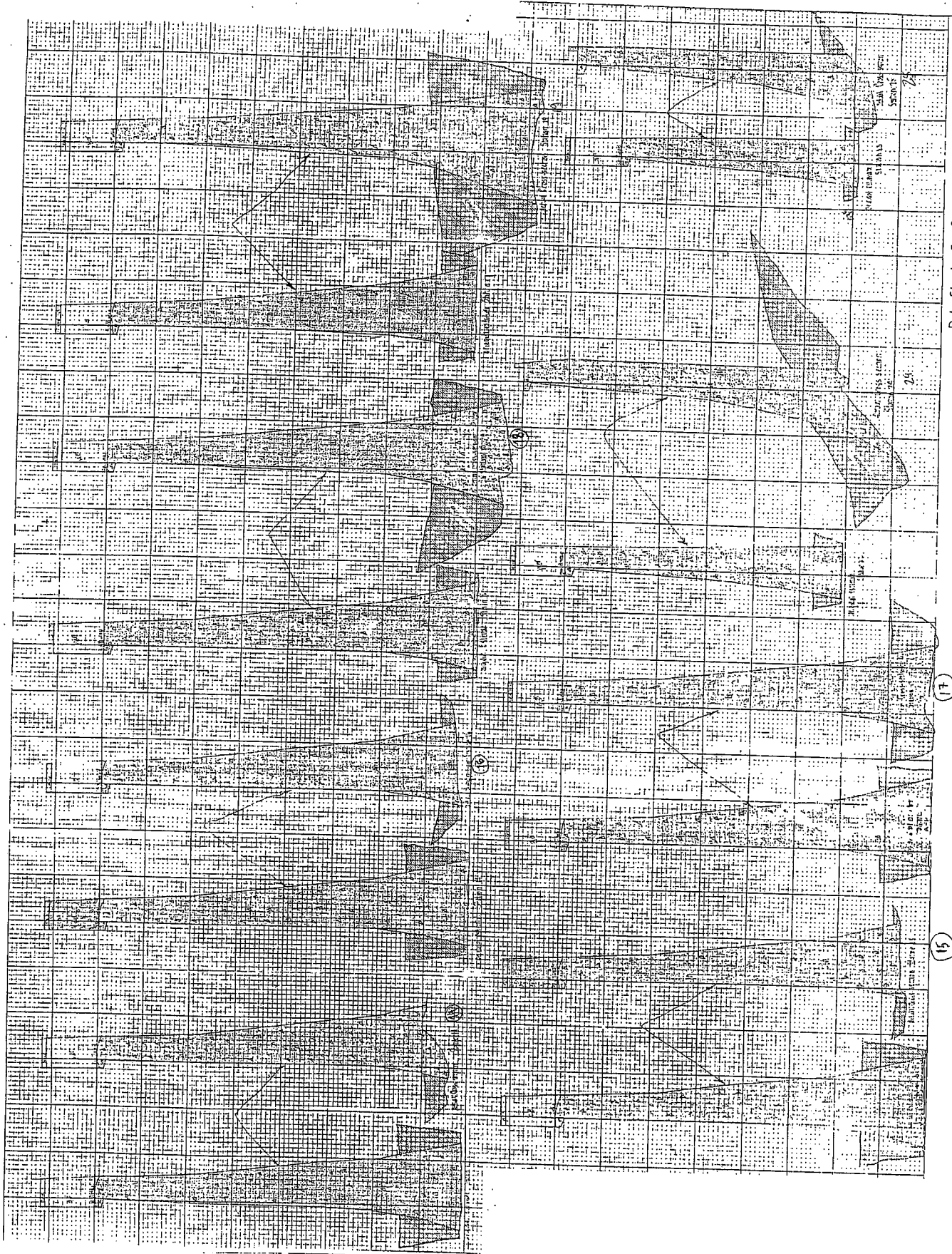
Survey by: _____
 Drawn by: JRS
 Checked by: _____
 Approved by: _____

Drawing No. _____
 File No. _____



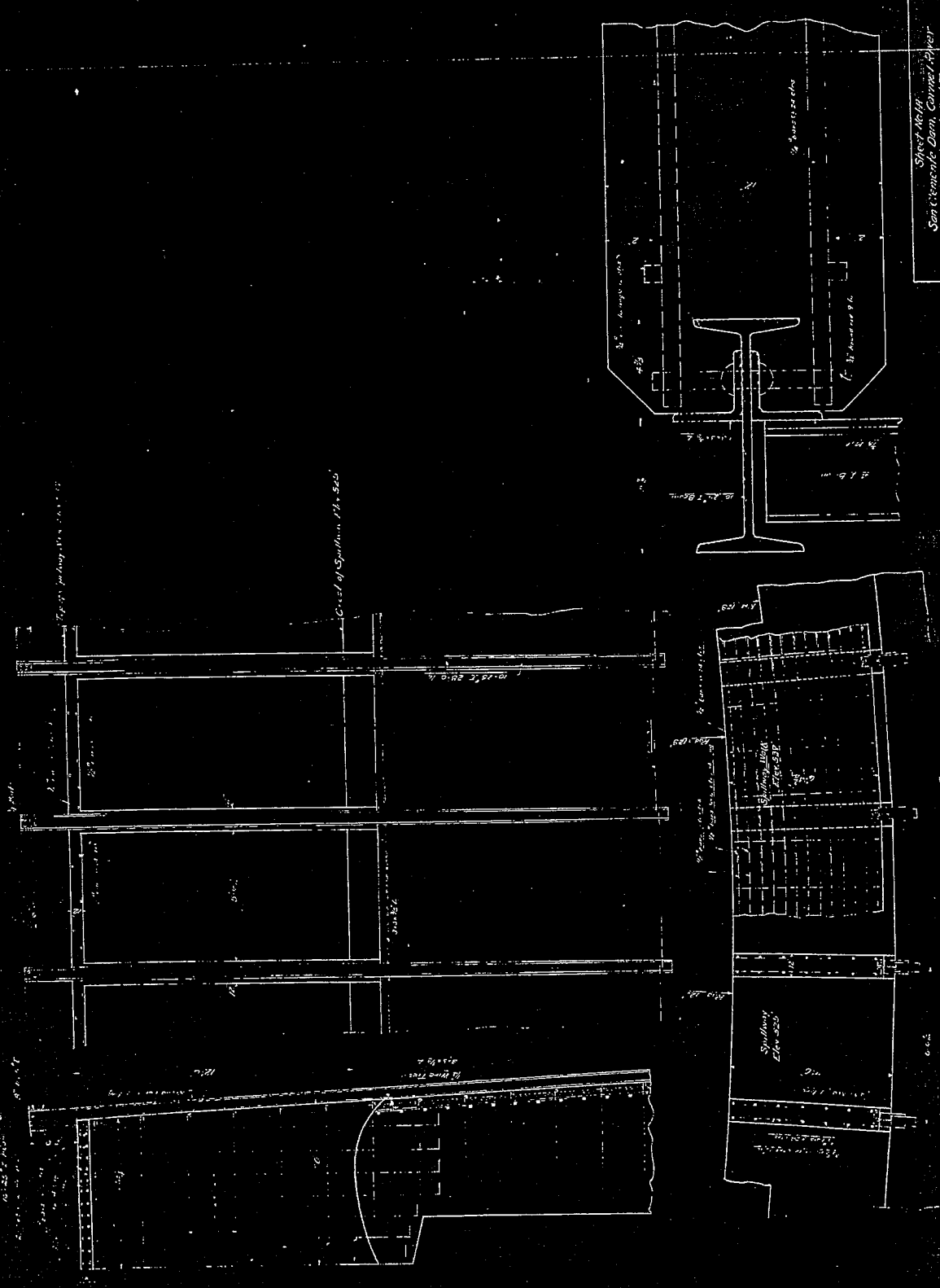


① Data Sheets - San Clemente Dam - 4 Sheets - Sheet № 2



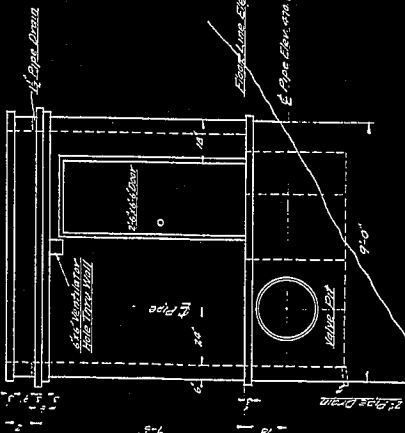
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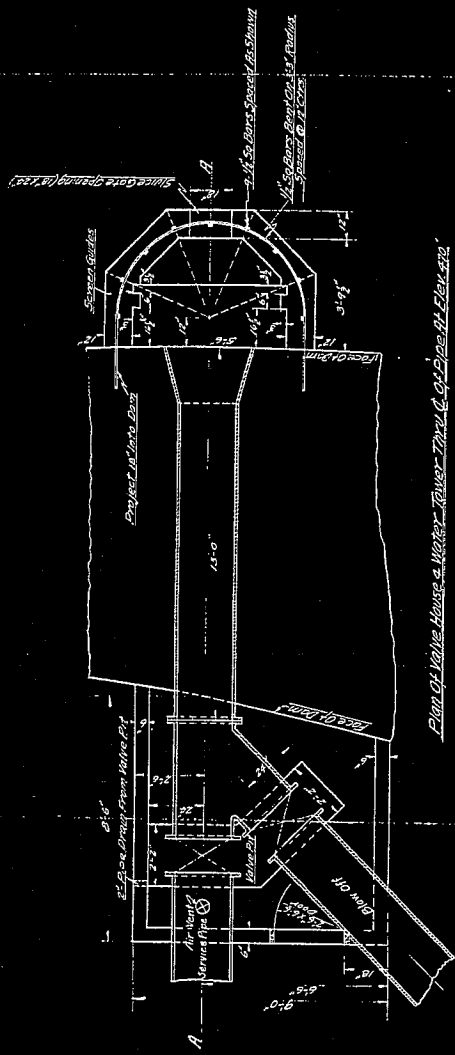


Sheet No. 11
 See General Notes on Contract Plans
 for
DETAILS OF BUTTRESSES & GATE GUIDES
 for
 The Dul Mont. Properties Company
 Designed by J.A. H. H. H.
 June 9, 1928
 Scale 3/16"

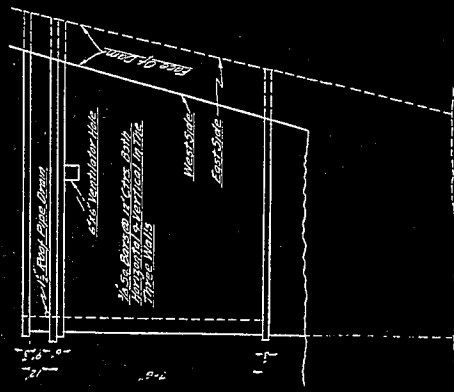
Approved by
 J. A. H. H. H.
 J. A. H. H. H.
 J. A. H. H. H.



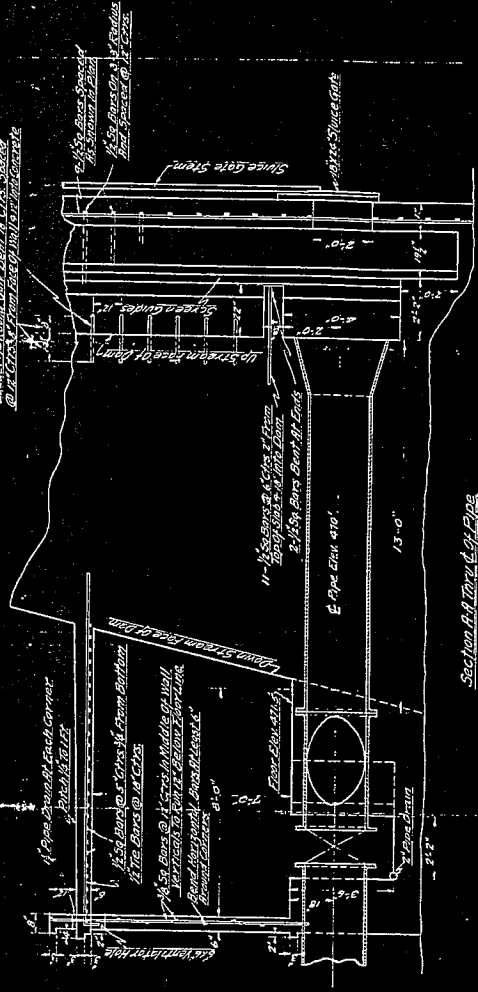
Front Elevation of Valve House



Plan of Valve House & Water Tower Third & 4th Flrs of Elevator



E-W Side Elevations of Valve House



Section of Third & 4th Flrs of Pipe

Sheet No. 7
 San Clemente Canal Corridor Over
 Crosscut No. 10's Arch Pipe
 DETAILS of VALVE HOUSE of BRIDGE of IMPROVEMENT
 for
 The Del Monte Properties Company
 Designed by J. R. Wilson
 Scale 1/4" = 1'-0"

Approved: *J. R. Wilson*
 J. R. Wilson
 Date: June 14-1913

PLANS OF THE PROPOSED FISHWAY

IN OR SAN CLEMENTE DAM CARMEL RIVER

Monterey County, California

CONSISTING OF 3 SHEETS

1921

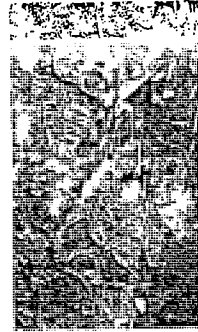


Figure of Carmel River in the Stream River

Prepared by
C. J. O'Connell
in charge of
the Survey
Company

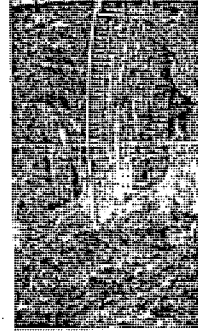


Figure of San Clemente Dam

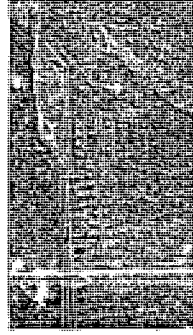


Figure of San Clemente Dam

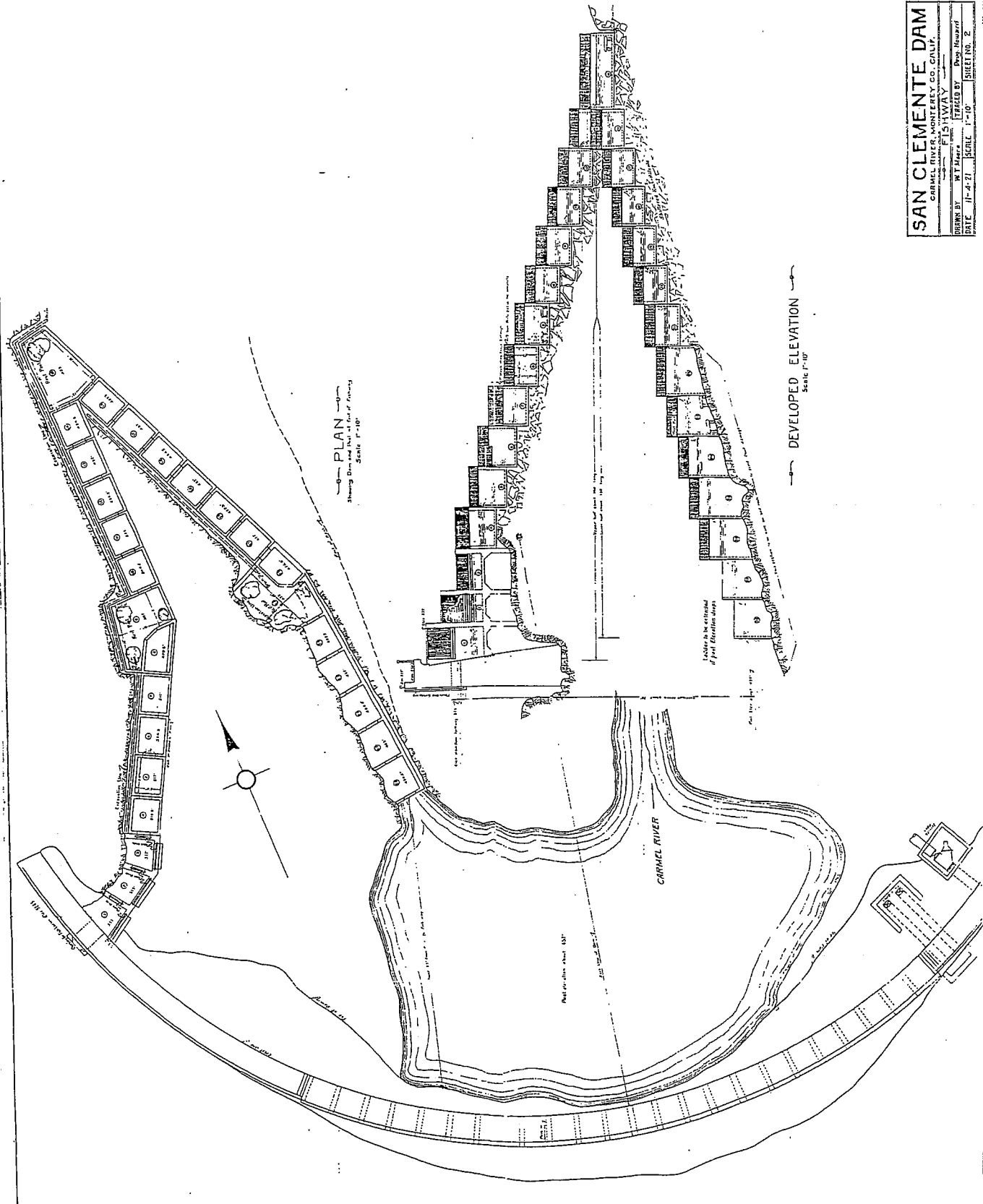


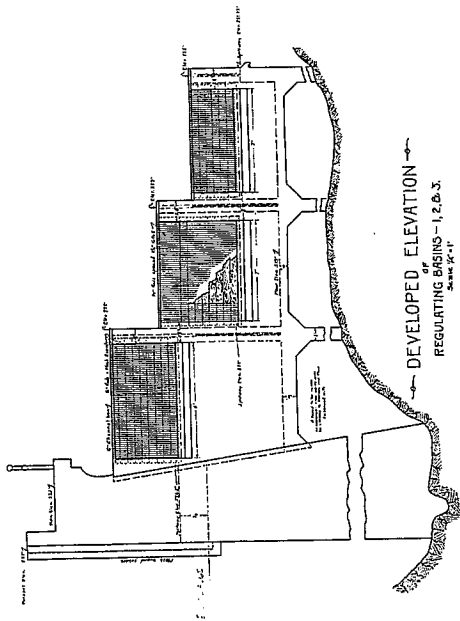
Figure of San Clemente Dam

Approved and accepted for the
CALIFORNIA FISH & GAME COMMISSION
this 27th day of December 1921.
By W. J. S. [Signature]

SHEET NO 1

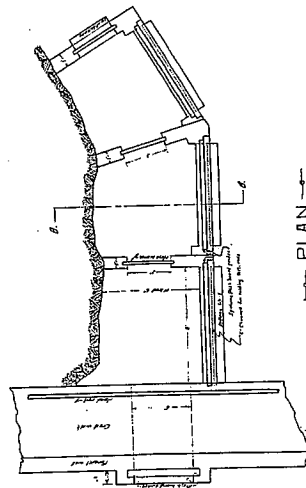
SAN CLEMENTE DAM
 CONTRACTOR: JAMES H. WILSON & CO., CHICAGO, ILL.
 DRAWN BY: W. T. HARRIS
 CHECKED BY: J. S. WILSON
 DATE: 11-4-21 SCALE: 1"=100' SHEET NO. 2



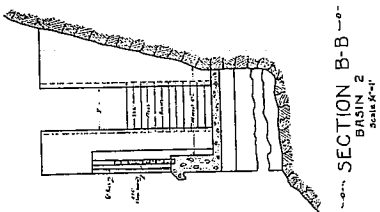


DEVELOPED ELEVATION
OF
REGULATING BASINS - 1, 2, & 3.
Scale: 1/4" = 1'-0"

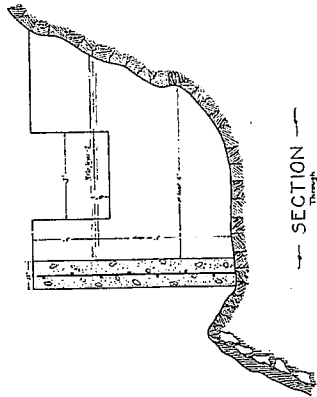
Note: Side walls of Basins 1, 2, & 3 to be reinforced with 8# bars spaced at 24" on center. Reinforcement to be placed with 1/2" concrete cover to S.F.C.



PLAN
OF
REGULATING BASINS - 1, 2, & 3.
Scale: 1/4" = 1'-0"

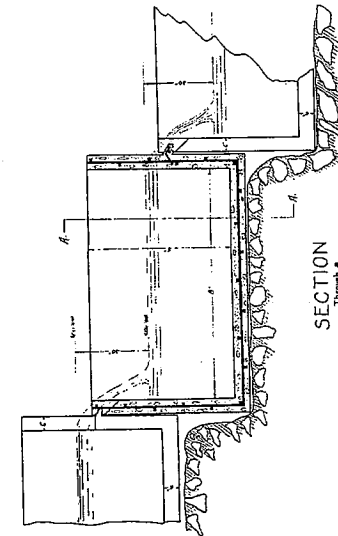


SECTION B-B
OF
BASIN 2
Scale: 1/4" = 1'-0"

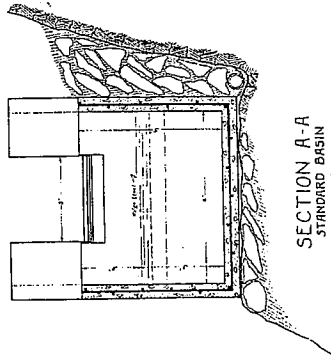


SECTION
OF
BASIN 26
Scale: 1/4" = 1'-0"

Basins Nos. 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.



SECTION
THROUGH
STANDARD BASIN
Scale: 1/4" = 1'-0"



SECTION A-A
STANDARD BASIN
Scale: 1/4" = 1'-0"

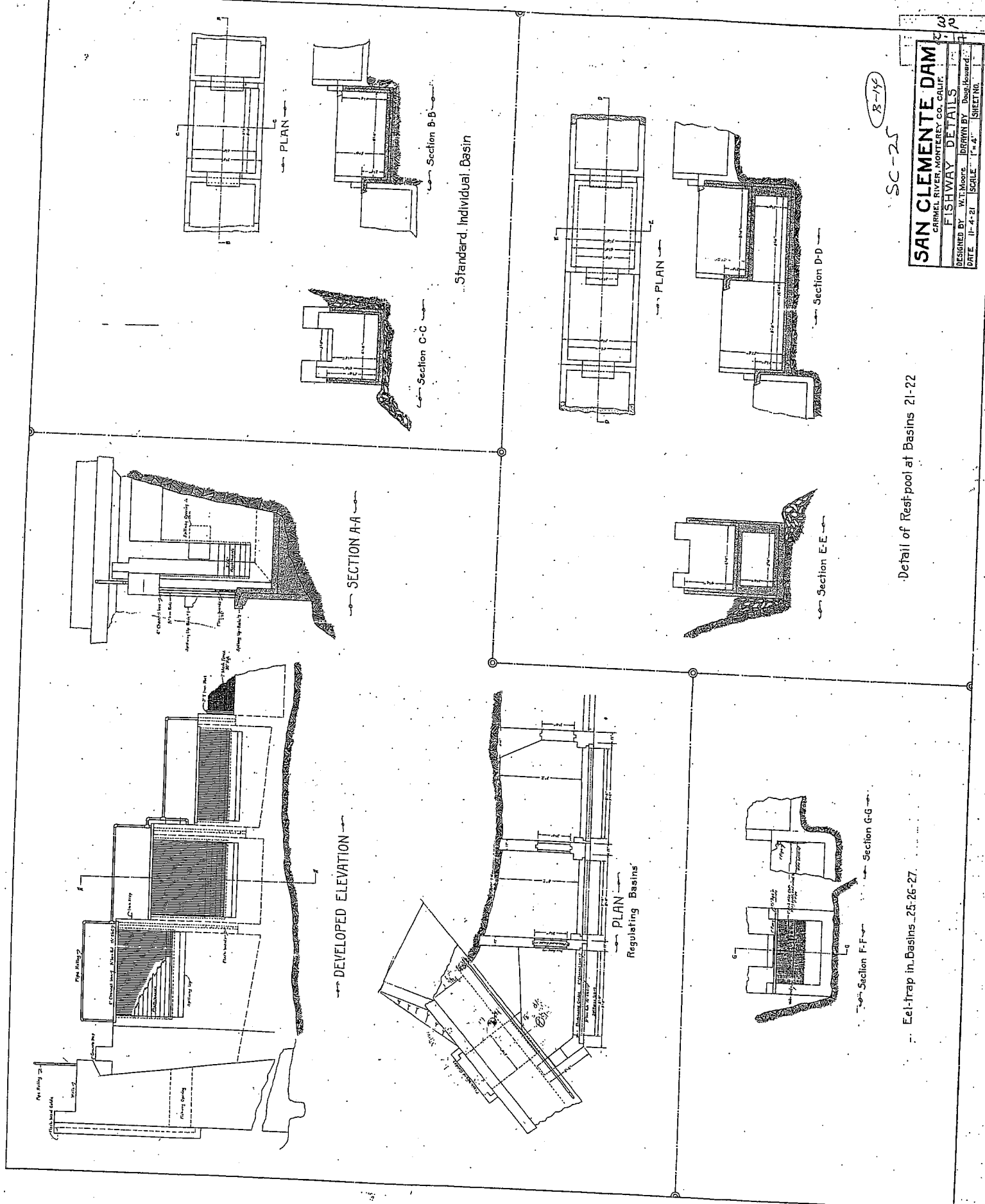
SAN CLEMENTE DAM	
GRANDEL RIVER, MONTEREY CO., CALIF.	
DESIGNED BY	FISHWAY DETAILS
DRAWN BY	W. T. Moore
DATE	11-7-21
SCALE	1/4" = 1'-0"
SHEET NO.	3

B-14
SC-23

SC-25
R-15c

Detail of Reservoir at Basins 21-22

Eel-trap in Basins 25-26-27



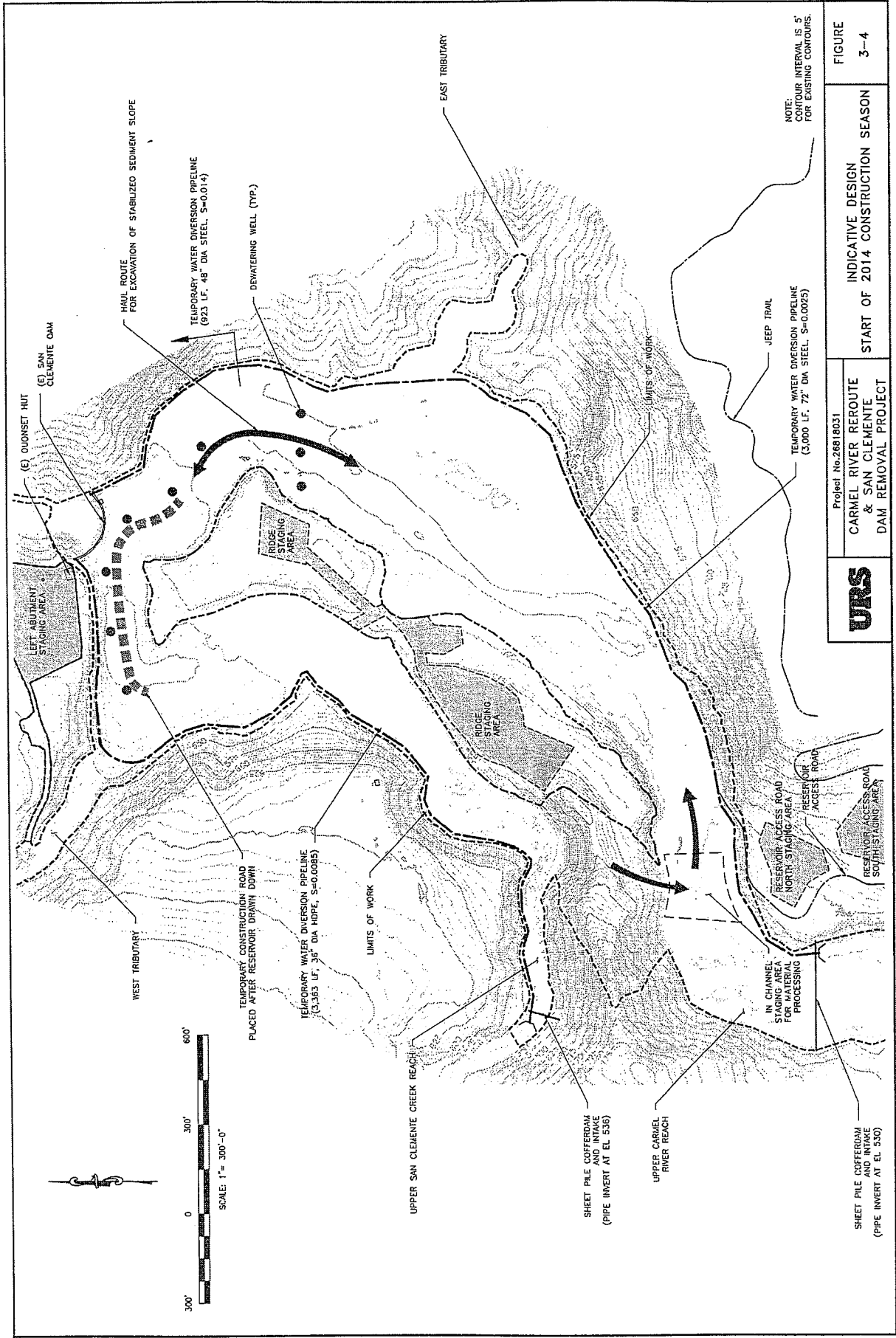
11-8
 40

Attachment B:
WATER VOLUMES AND SOURCES

Table 1: Total Project Water Demand Estimate
Carmel River Reroute and Dam Removal Project

Demand Type	Average Water Demand (cfs)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2013 Irrigation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013 Construction	0.00	0.00	0.00	0.00	0.16	0.16	0.16	0.16	0.16	0.16	0.00	0.00
2013 Total	0.00	0.00	0.00	0.00	0.16	0.16	0.16	0.16	0.16	0.16	0.00	0.00
2014 Irrigation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014 Construction	0.00	0.00	0.00	0.00	0.15	0.21	0.21	0.34	0.29	0.29	0.00	0.00
2014 Total	0.00	0.00	0.00	0.00	0.15	0.21	0.21	0.34	0.29	0.29	0.00	0.00
2015 Irrigation	0.00	0.00	0.00	0.02	0.05	0.08	0.08	0.08	0.05	0.03	0.00	0.00
2015 Construction	0.00	0.00	0.00	0.00	0.16	0.24	0.24	0.24	0.24	0.16	0.00	0.00
2015 Total	0.00	0.00	0.00	0.02	0.21	0.32	0.32	0.32	0.29	0.19	0.00	0.00
2016 Irrigation	0.00	0.00	0.00	0.04	0.10	0.16	0.16	0.16	0.11	0.03	0.00	0.00
2016 Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.08	0.00	0.00	0.00
2016 Total	0.00	0.00	0.00	0.04	0.10	0.16	0.16	0.24	0.19	0.03	0.00	0.00
2017 Irrigation	0.00	0.00	0.00	0.04	0.10	0.16	0.16	0.16	0.11	0.03	0.00	0.00
2017 Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017 Total	0.00	0.00	0.00	0.04	0.10	0.16	0.16	0.16	0.11	0.03	0.00	0.00
2018 Irrigation	0.00	0.00	0.00	0.04	0.10	0.16	0.16	0.16	0.11	0.03	0.00	0.00
2018 Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018 Total	0.00	0.00	0.00	0.04	0.10	0.16	0.16	0.16	0.11	0.03	0.00	0.00

Demand Type	Water Demand (acre-feet)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2013 Irrigation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013 Construction	0.00	0.00	0.00	0.00	9.84	9.48	9.82	9.81	9.48	9.83	0.00	0.00
2013 Total	0.00	0.00	0.00	0.00	9.84	9.48	9.82	9.81	9.48	9.83	0.00	0.00
2014 Irrigation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014 Construction	0.00	0.00	0.00	0.00	9.81	12.31	12.66	20.88	17.45	18.03	0.08	0.00
2014 Total	0.00	0.00	0.00	0.00	9.81	12.31	12.66	20.88	17.45	18.03	0.08	0.00
2015 Irrigation	0.00	0.00	0.00	1.07	3.15	4.69	5.02	4.83	3.21	2.06	0.00	0.00
2015 Construction	0.00	0.00	0.00	0.00	9.80	14.51	14.94	14.94	14.46	9.82	0.02	0.01
2015 Total	0.00	0.00	0.00	1.07	12.95	19.20	19.96	19.77	17.66	11.89	0.02	0.01
2016 Irrigation	0.00	0.00	0.00	2.14	6.30	9.38	10.03	9.66	6.41	2.06	0.00	0.00
2016 Construction	0.00	0.00	0.00	0.00	0.00	0.01	4.91	4.74	4.74	0.00	0.00	0.00
2016 Total	0.00	0.00	0.00	2.14	6.30	9.38	10.04	14.40	11.15	2.06	0.00	0.00
2017 Irrigation	0.00	0.00	0.00	2.14	6.30	9.38	10.03	9.66	6.41	2.06	0.00	0.00
2017 Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017 Total	0.00	0.00	0.00	2.14	6.30	9.38	10.03	9.66	6.41	2.06	0.00	0.00
2018 Irrigation	0.00	0.00	0.00	2.14	6.30	9.38	10.03	9.66	6.41	2.06	0.00	0.00
2018 Construction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018 Total	0.00	0.00	0.00	2.14	6.30	9.38	10.03	9.66	6.41	2.06	0.00	0.00



Project No. 26818031

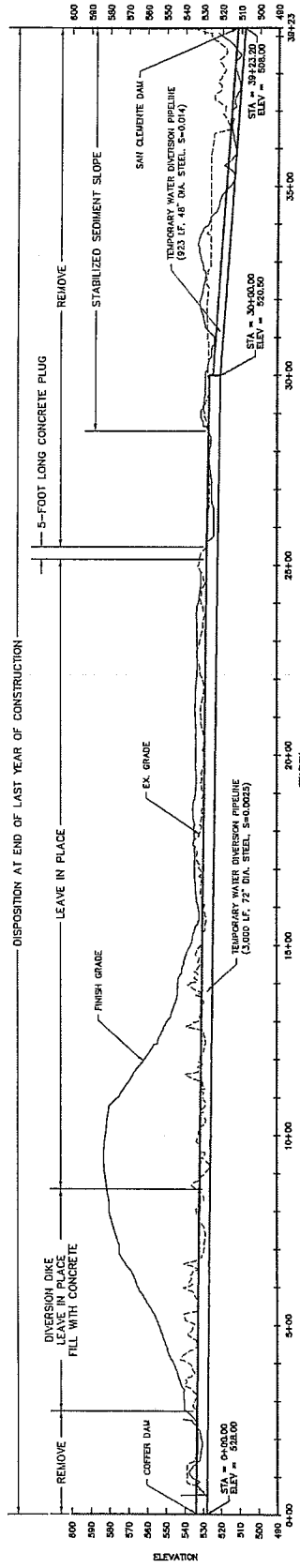


CARMEL RIVER REROUTE
& SAN CLEMENTE
DAM REMOVAL PROJECT

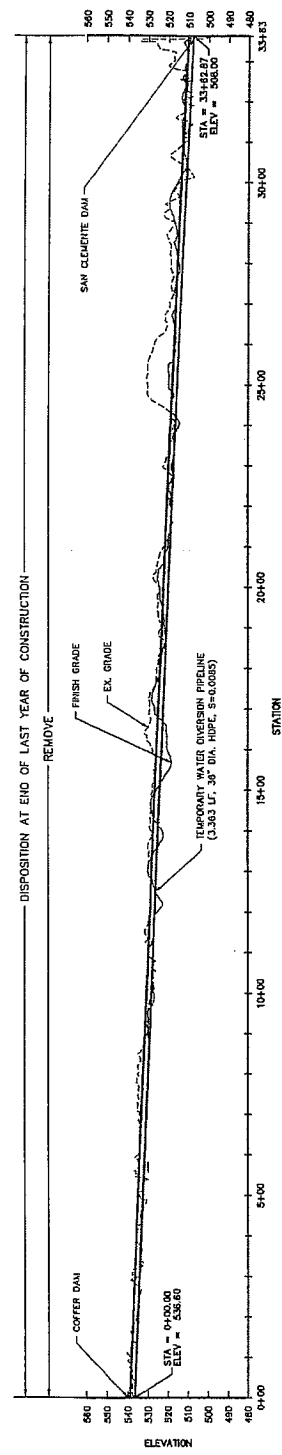
INDICATIVE DESIGN
START OF 2014 CONSTRUCTION SEASON

FIGURE
3-4

NOTE:
CONTOUR INTERVAL IS 5'
FOR EXISTING CONTOURS.



PROFILE - CARMEL RIVER TEMPORARY WATER DIVERSION PIPELINE
SCALE: 1"=300'



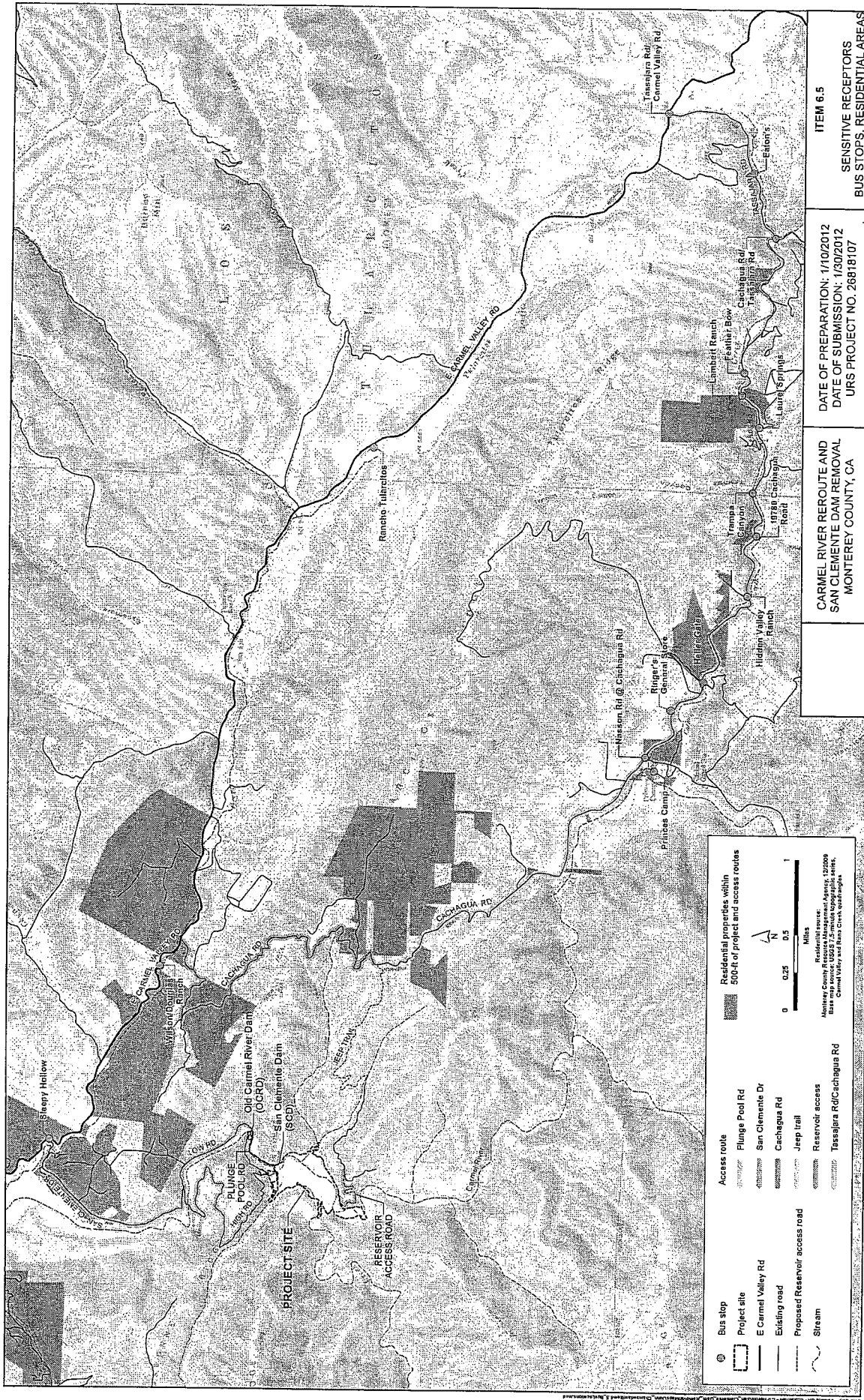
PROFILE - SAN CLEMENTE CREEK TEMPORARY WATER DIVERSION PIPELINE
SCALE: 1"=300'



Project No. 26818031
CARMEL RIVER REROUTE
& SAN CLEMENTE
DAM REMOVAL PROJECT

FIGURE
3-14

Attachment C:
SENSITIVE RECEPTORS



ITEM 6.5
SENSITIVE RECEPTORS
BUS STOPS, RESIDENTIAL AREAS

DATE OF PREPARATION: 1/10/2012
DATE OF SUBMISSION: 1/30/2012
URS PROJECT NO. 26618107

CARMEL RIVER REROUTE AND
SAN CLEMENTE DAM REMOVAL
MONTEREY COUNTY, CA

Residential properties within 500 ft of project and access routes

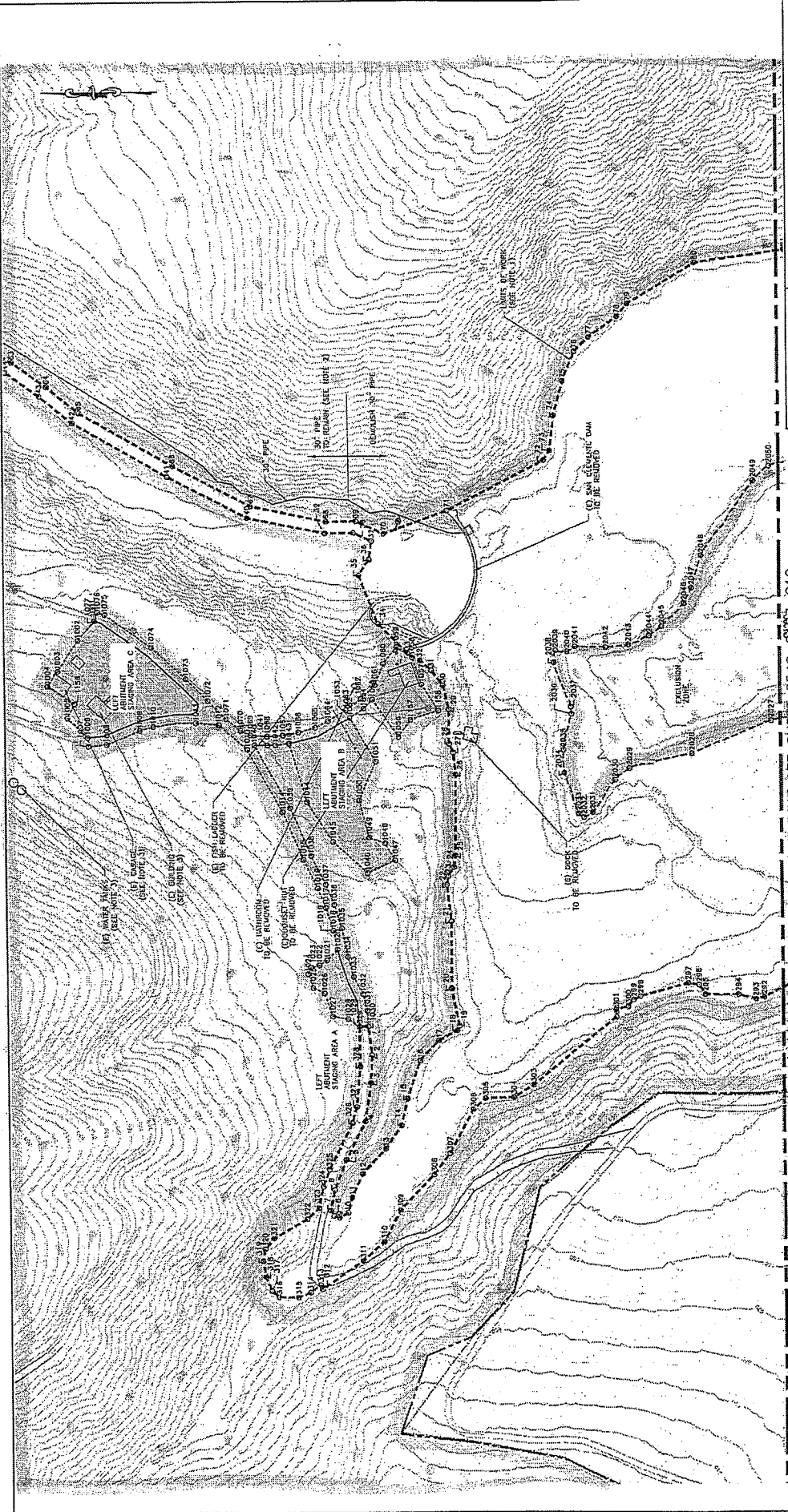
Access route
 Plunge Pool Rd
 San Clemente Dr
 Cachagua Rd
 Jeep trail
 Reservoir access
 Tassajara Rd/Cachagua Rd

Bus stop
 Project site
 E Carmel Valley Rd
 Existing road
 Proposed Reservoir access road
 Stream

0 0.25 0.5 1
Miles

Monterey County Resource Management Agency, 12/2009
 Base Map: 1999, 2002, 2004, 2006, 2008, 2009
 Carmel Valley and Barns Creek Landscapes

Attachment D:
WORK EXCLUSION ZONES



CARMEL RIVER REROUTE & SAN CLEMENTE DAM REMOVAL PROJECT
 CIVIL
 LIMITS OF WORK, STAGING AND DEMOLITION
 PLAN 1 OF 3

URS CORPORATION
 4800 JEFFERSON AVENUE
 OAKLAND, CALIFORNIA 94612
 PROJECT NO. CA-0540-0187-C9
 DATE 07/27/2012
 SCALE 1"=80'

CALIFORNIA AMERICAN WATER
 MONTEREY, CALIFORNIA

INDICATIVE DESIGN DRAWINGS 0540-0187-C9

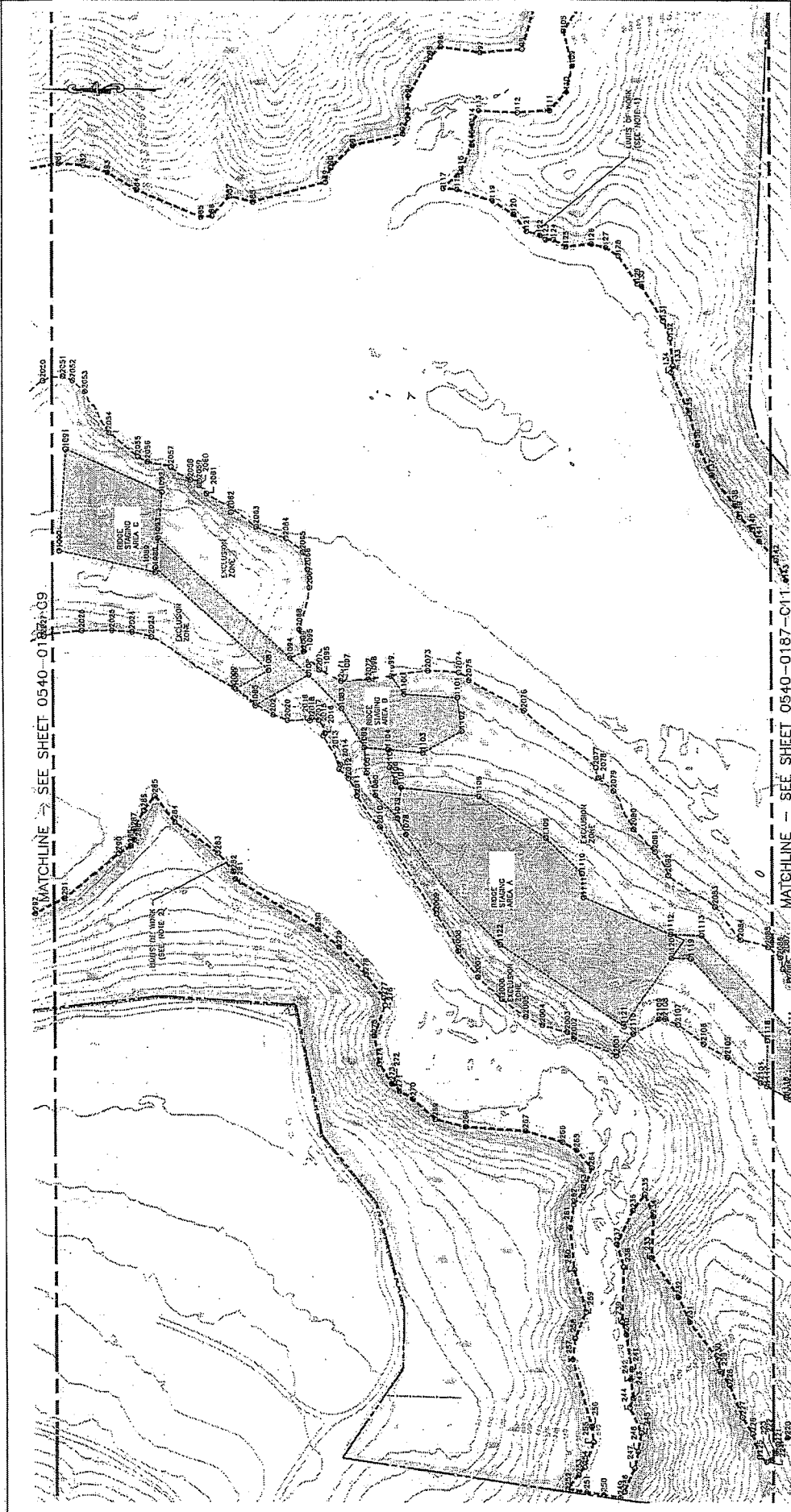
NOTES:
 1. PROTECT FINISHING TREES ALONG THE EDGE OF THE LIMITS OF WORK. SEE TECHNICAL PROGRAM REQUIREMENTS SHEET.
 2. 30' MIN. BUFFER FROM THE EDGE OF THE LIMITS OF WORK WITH 5 FEET OF CONCRETE UNING AND 1 MINIMUM TO A 1000' RADIUS.
 3. REMOVE IF DIRECTED BY OWNER.

MATCHLINE SEE SHEET 0540-0187-C10

SENSITIVE AREAS TO BE AVOIDED



EXCLUSION ZONE



0181 MATCHLINE - SEE SHEET 0540-0187-C9

MATCHLINE - SEE SHEET 0540-0187-C11

GABRIEL RIVER REROUT & SAN CLEMENTE DAM REMOVAL PROJECT
 CIVIL
 LIMITS OF WORK, STAGING AND DEMOLITION
 PLAN 2 OF 3

REVISIONS

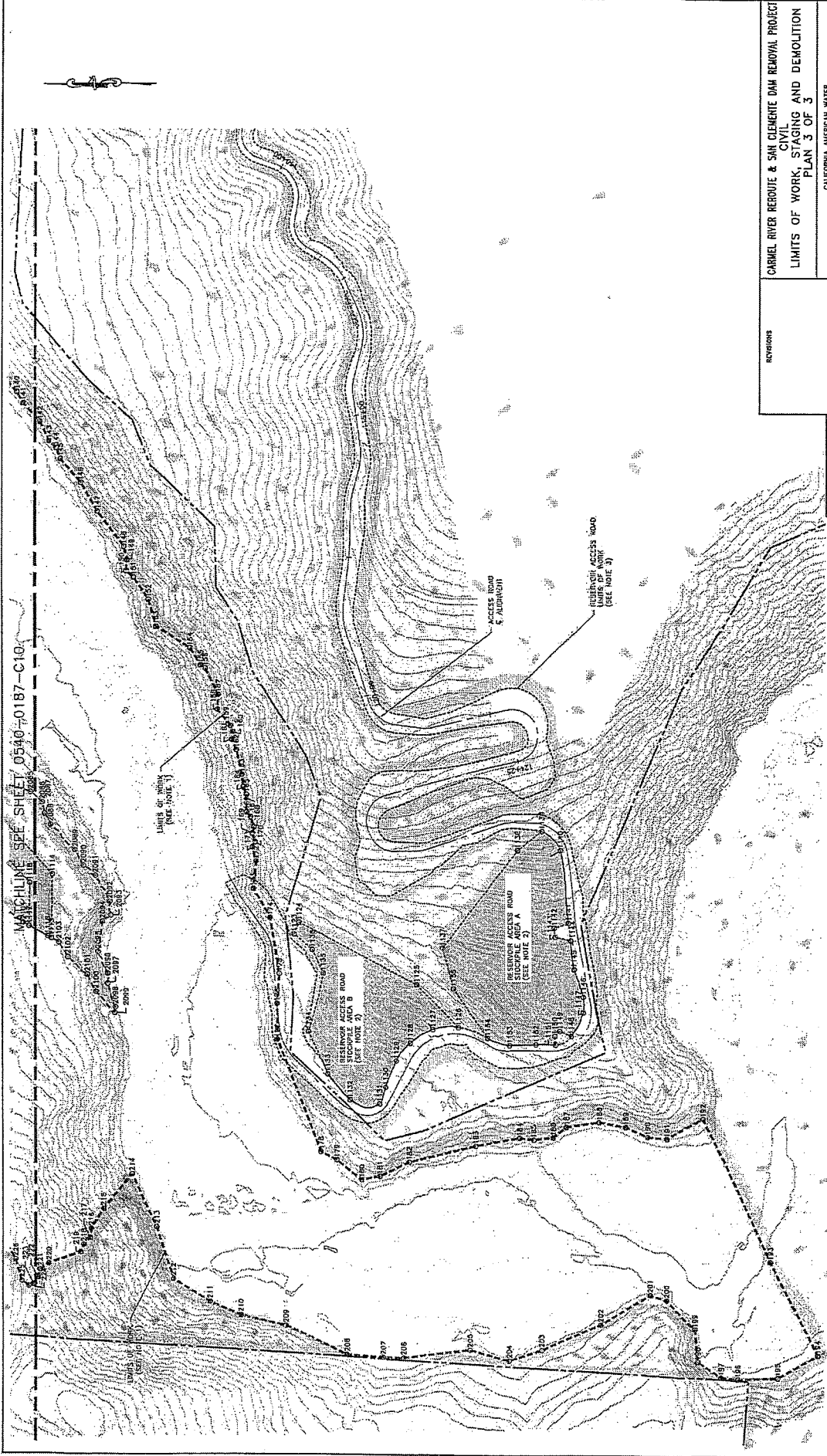
URS CORPORATION
 1333 BROADWAY, SUITE 200
 OAKLAND, CALIFORNIA 94612
 DRAWN BY: C. H. HED
 CHECKED BY: T. H. ROOPER DATE 09/28/2013
 PROJECT 2881001 SCALE 1"=80'

CAUTION: AMERICAN WATER
 MONUMENT, CALIFORNIA

INDICATIVE DESIGN DRAWINGS
 0540-0187-C10
 05400187C10


SCALE 1" = 80'

NOTE:
 1. PROTECT EXISTING TREES ALONG THE EDGE OF THE LIMITS OF WORK. SEE TECHNICAL PROVISION SECTION 01563.



- NOTE:
1. PROJECT EXISTING TREES ALONG THE EDGE OF THE LIMITS OF WORK. SEE TECHNICAL PROVISION SECTION 0185.
 2. REMOVE MATERIAL STOCKPILED IN RESERVOIR ACCESS ROAD STAGING AREAS AND PLACE IN SEGMENT STOCKPILE. RESTORE STOCKPILE AREAS AFTER MATERIALS ALLOWED AS SPECIFIED IN TECHNICAL PROVISION SECTION 0200.
 3. IMPROVEMENTS TO KEEP TRAIL AND NEW RESERVOIR ACCESS ROAD TO BE CONSTRUCTED PRIOR TO DATE OF AGREEMENT UNDER SEPARATE CONTRACT. SEE REFERENCE INFORMATION DOCUMENT RMC-C FOR CHANGED DESIGN.
 4. FLOOD AND WIND PROTECTION OF STOCKPILE AREAS DURING CONSTRUCTION/OPERATION AND AFTER TO BE PROVIDED BY CONTRACTOR. CONTRACTOR SHALL CROSSING SHALL BE REMOVED AS PART OF WINDICATION OF SITE UNLESS DUE TO WINDOR IN DOWNS.
 5. PROTECTION OF CANAL, RIVER AND SAN CLEMENTE CREEK SHALL BE IN ACCORDANCE WITH TECHNICAL PROVISION SECTION 0205.



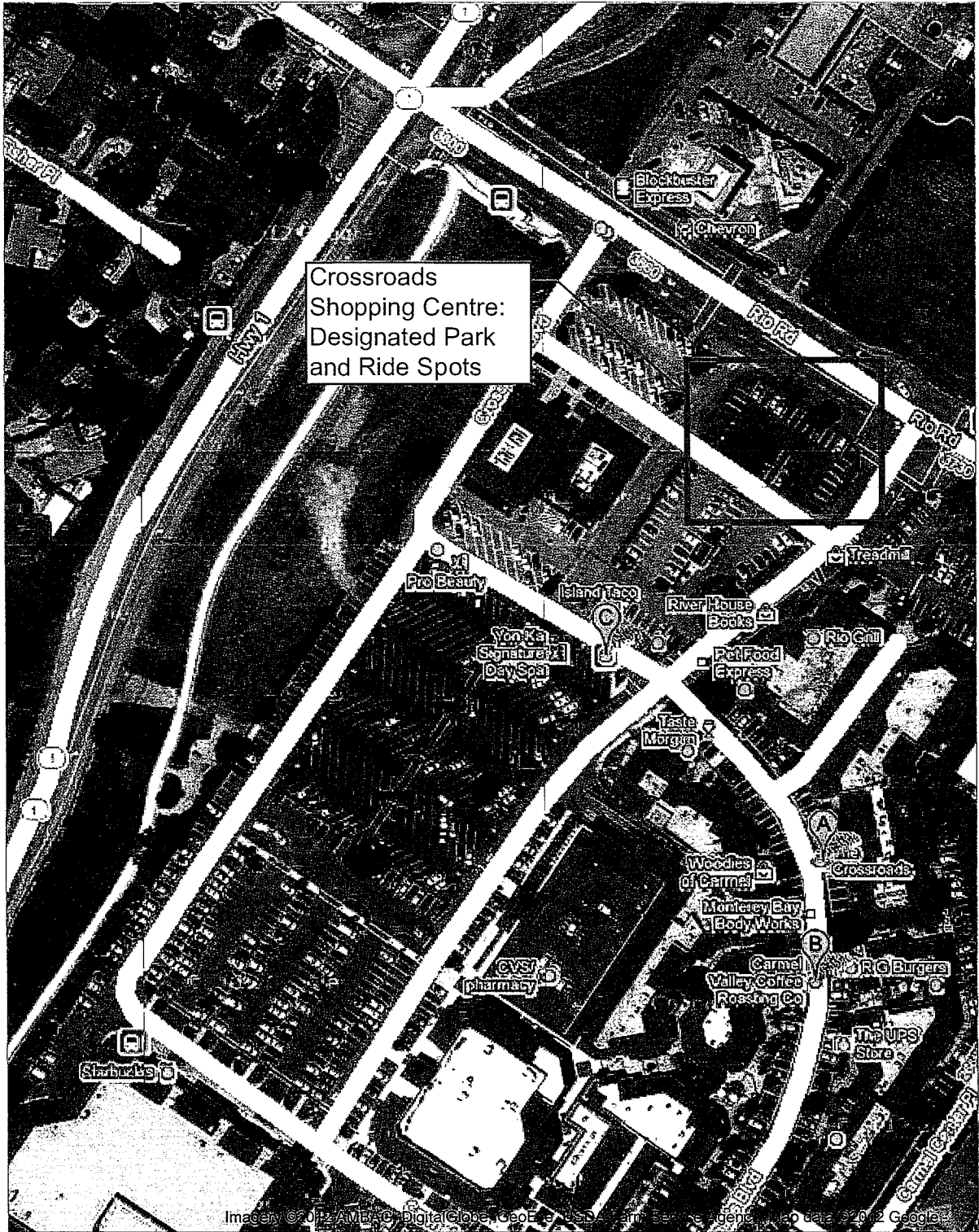
REVISIONS	CARMEL RIVER RESERVOIR & SAN CLEMENTE DAM REMOVAL PROJECT CIVIL LIMITS OF WORK, STAGING AND DEMOLITION PLAN 3 OF 3
	CALIFORNIA AMERICAN WATER MONTEREY, CALIFORNIA
	
USE CORPORATION 1333 BROADWAY, SUITE 1800 OAKLAND, CALIFORNIA 94612 DRAWN BY: C.A. WEBB CHECKED BY: J. ROARKER PROJECT # 0540-0187-C11 DATE: 11/10/00 APPROVED:	
USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES	
INDICATIVE DESIGN DRAWINGS 0540-0187-C11 05/00/187C11	

DISTRICT 05 CALTRANS PARK AND RIDE LOT LISTING

	No. of Spaces	City	Location
SANTA CRUZ COUNTY			
Summit (Informal Lot)	12	Santa Cruz	Summit Rd and Hwy 17
Scott's Valley Transit Center	219	Scotts Valley	At Kings Village Rd off Mt Hermon Rd
Pasatiempo	63	Santa Cruz	At Pasatiempo exit on Hwy 17 on west side of interchange
Quaker Meeting House Church	12	Santa Cruz	225 Rooney St; take Morrissey exit on Hwy 1
Soquel Dr	57	Santa Cruz	Hwy 1 and Soquel Drive on Paul Sweet Rd
Resurrection Church	78	Aptos	Hwy 1 and Seaciff /State Park Drive exit
MONTEREY COUNTY			
Prunedale	33	Prunedale	101/156 Interchange South at Prunedale
Laureles Grade Rd	19	Near Monterey	Laureles Grade Rd and Hwy 68
Crossroads Shopping Center	33	Carmel	At Crossroads Shopping Center and Hwy 1
SAN BENITO COUNTY			
Veterans Memorial Park	18	Hollister	Hillcrest Rd at Memorial Rd in Hollister
Searle Rd	20	Nr San Juan Bautista	On Searle Rd at 101/156 Interchange North
SAN LUIS OBISPO COUNTY			
Multi-modal Transit Center in Paso	40	Paso Robles	At Amtrak Station in Paso Robles
Woodland Plaza/Niblick Rd	28	Paso Robles	At Woodland Plaza II at Walmart
Las Tablas Rd	42	Templeton	At Las Tablas Rd and Rte 101
Route 41 East	38	Atascadero	Near Health Center Building on Rte 41
St Williams Church	48	Atascadero	6401 Santa Lucia Rd
Curbaril Rd	34	Atascadero	At Curbaril Rd and Rte 101
Santa Rosa	15	Atascadero	At Santa Rosa Rd and Rte 101
Santa Barbara Rd	12	Atascadero	At Santa Barbara Rd and Rte 101
Santa Margarita	16	Santa Margarita	At 101/58 Interchange
Nazarene Church	12	Los Osos	Nazarene Church at Santa Ysabel/So. Bay Blvd
Bob Jones Bike Trail Parking	27	Near Avila Beach	Avila Bay Drive exit off 101, right on Ontario Rd.
Pismo Outlets Mall	20	Pismo Beach	At Five Cities Drive exit and Rte 101
Halcyon Rd	49	Arroyo Grande	At Halcyon Rd exit and Rte 101
Walmart in A.G.	26	Arroyo Grande	At Walmart parking lot
Vons Market (Informal Lot)	15	Los Osos	Behind Von's Market
SANTA BARBARA COUNTY			
Clark Ave NE	19	Orcutt	At Clark Ave and Rte 135 Northeast quadrant
Clark Ave NW	24	Orcutt	At Clark Ave and Rte 135 Northwest quadrant
Clark Ave/101	34	Orcutt	At Clark Ave and Rte 101 east side
Lompoc	15	Lompoc	At bowling alley at 7th and Ocean (Hwy 1)
Santa Inez	20	Santa Inez	At 154/246 Intersection
Buellton	33	Buellton	On Ave of Flags (south)

CARMEL RIVER REROUTING AND DAM REMOVAL PROJECT
PARK AND RIDE LOT: OPTION 1

Google

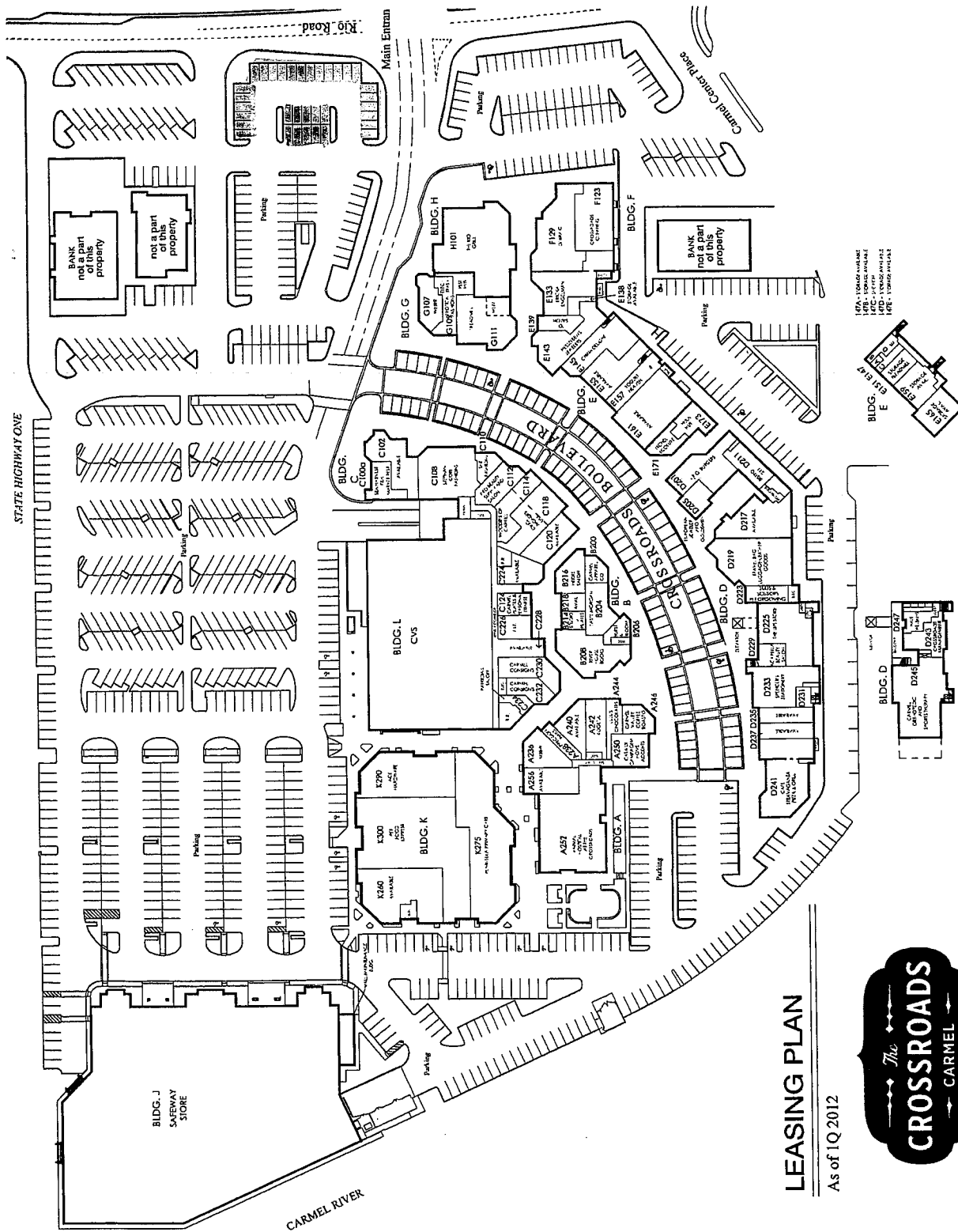


CARMEL RIVER REROUTING AND DAM REMOVAL PROJECT
PARK AND RIDE LOT: OPTION 2

Google



Indicates designated Park & Ride Lot



LEASING PLAN

As of 1Q 2012





UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Southwest Region
777 Sonoma Ave., Room 325
Santa Rosa, CA 95404-4731

July 31, 2012

In response, refer to:
2012/02129

Richard Svindland
California American Water
4701 Beloit Drive
Sacramento, California 95838

Dear Mr. Svindland:

At a recent Quarterly Water Supply Budget meeting with California American Water, Monterey Peninsula Water Management District, California Department of Fish and Game, and NOAA's National Marine Fisheries Service (NMFS), water withdrawal limits from the Carmel River for construction and irrigation needs for the Carmel River Reroute and San Clemente Dam Removal Project (CRRDR) were discussed.

As you are aware, NMFS has been involved closely for many years and is highly supportive of the CRRDR project. We also acknowledge that impacts to the river and riparian environment at the project site will be occurring during the construction of the project. While these impacts will be minimized to the extent possible, it is clear there are impacts that will occur in order to complete the project in a timely and cost effective manner. NMFS has always agreed that while there may be short term impacts (two to three years) to listed steelhead, the resultant project will provide greater benefits to the recovery of steelhead.

NMFS's suggested recommendations to minimize impacts to listed South-Central California Coast steelhead from construction-related and irrigation water withdrawals are listed below. These recommendations may need to be re-visited at a later date if they cause major delays to the project due to increased costs and extended timelines.

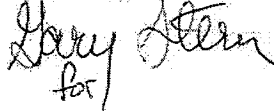
- Water generated from dewatering the reservoir and dewatering reservoir sediments should be used to the maximum extent possible and stored in off-channel tanks to maximize usage and minimize diversions from the Carmel River and San Clemente Creek.



- It is NMFS' understanding that a minimum bypass flow of 4 cubic feet per second (cfs) at the Sleepy Hollow Weir is needed to ensure proper function of the Sleepy Hollow Steelhead Rearing Facility (SHSRF). A minimum bypass flow of 6 cfs would provide additional flows to minimize rescue of steelhead from areas of channel downstream.
- We recommend a maximum instantaneous pumping rate of 0.5 cfs from the Carmel River and a maximum daily volume of 1.0 acre-feet of water withdrawn from the Carmel River.
- Construction and irrigation needs for the CRRDR project should be considered at the Quarterly Water Budget meetings to determine how to maximize the use of released water from Los Padres Reservoir during the construction seasons. These releases can augment the flows to minimize construction impacts to downstream steelhead.

If you have any questions please contact Ms. Joyce Ambrosius at (707) 575-6064 or joyce.ambrosius@noaa.gov.

Sincerely,

A handwritten signature in cursive script, appearing to read "Dick Butler", with the word "for" written below it.

Dick Butler
North Central Coast Office Supervisor
Protected Resources Division

cc: T. Chapman, CA State Coastal Conservancy, Oakland
J. Szytel, WSC, San Luis Obispo

Exhibit I

2008 Final EIR/EIS

(CDWR, distributed on August 29, 2012
to Planning Commissioners only, on CD)

Exhibit J

July 2012 Final SEIR No. 1
(CDWR, distributed on August 29, 2012
to Planning Commissioners only, on CD)

Exhibit K

August 2012 Final

SEIR No. 2

(California Coastal Conservancy,
distributed on August 29, 2012 to
Planning Commissioners only, on CD)

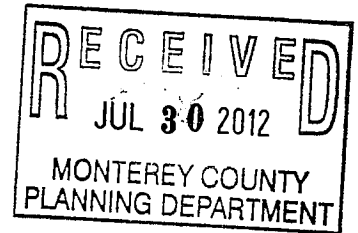
Exhibit L

Letter from Douglas J.
Gardner (July 26, 2012)

BOB S.
cc CHAD

July 26, 2012

Trish Chapman
California State Coastal Conservancy
1330 Broadway, 13th floor
Oakland, CA 94612-2530



RE: Old Carmel River Dam Removal
SCH # 2005091148

Dear Ms. Chapman,

I am the owner of a home at 19350 Cachagua Rd, in Carmel Valley, California. I am aware of the proposed San Clemente Dam removal project; I granted an access agreement to the project team last spring in order to facilitate archeological research in connection with County Bridge 529, which is adjacent to my front gate.

I do not have an opinion on the merits of the project itself. I am, however, very concerned with the potential impacts of the project on the residents of the Cachagua Valley during construction. I understand that the most current plan for the project, as described in SEIRs 1 and 2, calls for major access to the project site via Cachagua Road, from both the Carmel Valley Rd. and Tassajara Rd. intersections. Apparently the heaviest use will be from the Tassajara end to the east. Large trucks will take this route, as well as other project traffic.

I was not able to attend the meeting held at the Cachagua General Store a few weeks ago, but I know that my neighbors came away with many concerns. No one I have spoken to in Cachagua is happy about the traffic impacts or feels that they were sufficiently notified or informed in advance about them. I wanted to write this comment letter to ensure that specific concerns are addressed through the environmental review process. My comments are as follows:

Procedural Questions:

How were residents notified about this project? I received no notification or updates regarding circulation of the SEIRs. Is it possible that residents closer to the actual site---such as those at Sleepy Hollow---had more formal notification than Cachagua residents, who will bear significant impact? If newspaper notices were placed, I would question the effectiveness of that approach in such a rural area where many people do not have newspaper delivery. Reliance on previous lists of interested parties does not seem sufficient either since the original project and its EIR did not so directly impact Cachagua. I asked the archeological team that came to my property to be sure to let me know when the environmental documentation was available, but I received no notices. This lack of notice does not sit well. It is the responsibility of the sponsor to do all it can to make sure all affected parties are familiar with the project and aware of the public process, especially in light of the fact that this appears to be a tax-payer funded project.

I believe that the informational meeting recently held in Cachagua took place after the close of comment for SEIR 1. Informational meetings are helpful, but in this case should have happened before the close of the comment period and residents should have been formed of the existence of the SEIR and their right to comment.

The comment period for SEIR 2 is open till July 29, so please consider this letter a comment letter. Since these comments are traffic related, they also apply to SEIR 1. The two SEIRs and 2 projects are linked; they cannot be piecemealed. After all, Addendum 2 states that bridge materials "would be disposed at an approved offsite facility", suggesting that even more truck traffic will be directed to Cachagua Rd.

Cachagua residents do not understand why this long route through their community was selected when shorter routes much closer to the project were rejected. There is concern that the gate-guarded Sleepy Hollow community was able to influence the decision to keep this project out of their backyards and force its impacts on Cachagua. SEIR analysis suggested that alternate routes would have had an adverse impact on flora and fauna. Why were studies not done in regard to the impacts to people in Cachagua? Should there not have been Noise and Air Quality studies? Impacts that stretch for four or more years cannot be dismissed as "short-term" or "temporary". It does not appear that decision makers had all the analysis that should have been made available to them.

Operational Questions:

Cachagua residents are very concerned about the traffic impacts to Cachagua Rd. They rely Cachagua Rd on a daily basis to get to and from work; truck traffic can have a major impact on this commute. There will also be a potentially dangerous impact to emergency access, not only for fire fighters but for individuals who may need prompt medical attention not available in Cachagua Valley.

Also, the added heavy truck traffic on Carmel Valley Road may have unfortunate consequences. This is already a dangerous road, and by extending the route of construction vehicles 8 miles further east than a more sensible access route adjacent to Sleepy Hollow, the County will be creating frustration that may cause drivers to take risks in passing slow trucks. This is not a minor issue.

It appears that the successful contractor will have to produce a "traffic management plan"; will this plan have public review and input? The following questions and comments apply to Community meeting presentation at Cachagua, the SEIR and to the traffic management plan:

- Do the estimated construction trips shown on the "Construction Traffic Estimate" include Construction Equipment Mobilization? What do the footnotes allude to on this chart? There are no notes explaining the footnote numbers.
- The management plan should require the posting trip estimates in advance on a monthly basis.

- The County and Contractor should have a "hot-line" manned by a live body to receive reports of violations of any traffic management requirements. Violations should result in penalties.
- The traffic management plan should set standards for truck and bus brake maintenance; the screech brakes on the Cachagua grade will be fierce.
- Will the County and/or Contractor have the ability to change the proposed "improvements" to Cachagua Rd? If so how will residents be notified?
- Trucks should be required to pull over at designated lay-by zones along both Cachagua and Carmel Valley roads to permit passage of cars stuck behind slow moving vehicles. Truck drivers should be instructed to allow passenger vehicles to pass whenever possible.
- What will be the permitted hours and days of truck operations? The Community Meeting presentation said "material hauling" would be limited to 9 a.m. to 3 p.m. Monday through Friday; what about heavy equipment mobilization?

Please also consider and comment on the economic impact of this construction work. During the multi-year timeframe of this work, many homeowners may wish to market their homes for sale. What will be the impact on potential sales price to the disclosure of this long-term disruption?

Physical Alteration Questions:

It should be noted that Cachagua is a scenic country road. There is no discussion of potential aesthetic impacts to this road, which is utilized and enjoyed by visitors, cyclists and many others. It is not simply a back-woods truck route.

The Community meeting presentation indicated 5 specific "improvements" to be made to Cachagua Rd. My comments to these proposals are as follows:

- Regarding Bridge 529, it does not appear that the bridge will be widened, only structurally reinforced: is this correct? Can I request, as a concession to the community, that this bridge also be cleaned up and painted?
- Regarding the improvements to the Cachagua-Tassajara intersection, are these permanent changes? They appear only as useful to construction traffic. Will any existing vegetation be removed? Will this area be restored after construction?
- In general, this road is not always in great shape; the significant truck traffic will no doubt cause additional damage. Will damage be repaired on an ongoing basis?
- Will there be additional tree removal or pruning along Cachagua Rd.?
- What are the "staging areas"?
- Will the community be informed if the contractor wants to make other "improvements" in addition to these five? Will traffic be allowed to use these portions of the road while the improvements are under construction? Will Cachagua Rd. be closed at any time?

Finally, I would like to point out that the construction of this project will create burdens for the Cachagua community with no benefit other than the advertised improvement to a remote interior environment. It is customary, when communities are impacted, to provide compensating benefits beyond required mitigations. I

would suggest that the perceived negative effects of this project could in part be offset by some compensatory benefits, such as landscaping, lighting, park improvements, etc. I suspect that the community, if asked, would have ideas.

Again, I am not necessarily opposed to the dam removal project itself, except to the extent that its construction negatively---and seemingly unfairly---affects the residents of Cachagua. I also want to point out that this letter reflects the questions and comments of many in my community who were not made aware of the comment period process and have not written letters. I can assure you that I am not the only concerned resident. I hope that you will take these comments under consideration, provide answers where requested, and work hard to address our very real concerns. Also, I wish to be placed on whatever list you are keeping regarding information about the dam project in general and Cachagua Rd. in particular.

Thank you.



Douglas J. Gardner
19350 Cachagua Rd.
Carmel Valley CA 93924

Cc: County Supervisor Dave Potter
Catherine Bowie, Cal-American Water Company
Joyce Ambrosius, NOAA
Amy Roberts, Monterey County Planning Commission
Jeffrey Szytel, Water Systems Consulting, Inc.

This letter will be distributed both by email and regular mail.

Exhibit M

Applicant's Response to
Douglas J. Gardner Requests
(August 17, 2012)

Schubert, Bob J. x5183

From: Laura Engeman [lengeman@scc.ca.gov]
Sent: Friday, August 17, 2012 6:23 PM
To: dgcon@roadrunner.com; Schubert, Bob J. x5183
Subject: RE: Cachagua Rd. Operational Issues

Attachments: Gardner Response Matrix FINAL for DougG.pdf



Gardner Response
Matrix FINAL ...

Hi Doug,

The Project Team spent some time in the last day reviewing your list and preparing some responses for consideration by your working committee this weekend. We also had these reviewed and discussed them with Bob Schubert and County Public Work staff.

In particular, we spent some time discussing the road closures around the switchback improvements and have come up with a proposed modification to the construction plan that would involve requiring one lane traffic during peak commuting hours and at night. Furthermore, road closures would only be temporary during the construction period and during non-peak hours (primarily for safe delivery of road materials) and emergency vehicles will be allowed 24/7. The construction period would be extended to a little longer than six weeks and this would also require that the contractors work on both switchbacks at the same time.

Thank you again for organizing the committee and we look forward to obtaining further input from you and your neighbors.

Thanks,
Laura

Laura Engeman
California State Coastal Conservancy
949-361-8929
lengeman@scc.ca.gov

-----Original Message-----

From: dgcon@roadrunner.com [mailto:dgcon@roadrunner.com]
Sent: Thursday, August 16, 2012 6:59 AM
To: SchubertBJ@co.monterey.ca.us; lengeman@scc.ca.gov
Subject: Cachagua Rd. Operational Issues

Bob and Laura---per your suggestion I have attached some thoughts regarding truck operations on Cachagua Rd. Please take them under consideration. I am meeting this weekend with a working committee of Cachagua residents, several of whom are in the construction business. I expect that they may have additional suggestions, and refinements to what I have proposed.

Thank you again for your consideration of our concerns.

Initial Responses to Doug Gardner Comments/Requests of 8/15/12

Comment/Request	Initial Response
1 Limited hours for the movement of construction equipment (9-3)	The Supplemental EIR includes the provision that: Equipment mobilization trips would avoid peak traffic hours and would be coordinated with both the Cachagua Fire and Monterey Regional Fire Districts. Mobilization trips would also be coordinated with the local school bus schedules to avoid trips when school busses are running along Tassajara and Cachagua Roads. The MMRP further defines limits to truck deliveries and worker shifts to avoid commute and school bus traffic between 6 am and 8:30 am, and from 3:30 pm to 6 pm.
2 Hours should also be limited for the movement of any large, slow trucks, such as those used for the off-haul of debris	Haul trips would also be coordinated as described above.
3 Designated lay-by areas along Cachagua Road with requirement that dam-related traffic must pull into lay-bys to permit passenger vehicles to pass.	The Mitigation Monitoring and Reporting Plan (MMRP) requires that turn-outs will be used by construction equipment so emergency vehicles may pass. Construction truck escort vehicles will facilitate this effort. The Traffic Management Plan will require all dam related traffic to use existing turn-outs so vehicles may pass. No new lay-bys (turn-outs) would be constructed.
4 Estimated monthly trips should be posted at each end of Cachagua Road at the start of each month	The Traffic Management Plan will require posting of estimated monthly trips at each end of Cachagua Road. The Traffic Coordination and Communication Plan will schedule truck deliveries and identify and use a resident (on-site) Traffic/Transportation Coordinator. Monthly trips were discussed in the April 2012 Supplemental EIR, Section 4.9.
5 No full road closures. At most, partial closures will be permitted during construction of 2 switchback improvements with one lane kept operational for local traffic. No full closures at night.	Full-road closure is no longer proposed during the switchback construction period. Permit conditions and contractor bid package documentation will be amended to provide for non-peak hour, weekday road closures at two adjacent switchbacks for an approximately 8 to 10 week period, allowing one-lane passage for all vehicles at night and during peak hours (between 6 am and 8:30 am, and from 3:30 pm to 6 pm), and 24/7 access for emergency vehicles. No night work would be conducted.
6 Truck brakes must be properly maintained to minimize noise impacts	The MMRP requires the use of "quiet design construction equipment, eliminate unnecessary idling, and to implement good maintenance and lubrication procedures (see Noise MM#2). In addition, traffic/Transportation Coordinator and contact number would be made available (see related responses above and below).
7 One lane closures must be manned at each end.	One lane closures would be manned by flagmen and/or automated traffic signal systems.
8 Should be limitations on the time allowed for partial closures. Contractor must complete work within allocated time.	This will be detailed in the Traffic Management Plan that will be submitted to the County for approval. This and other traffic measures will be enforced by the Monterey County Public Works Department, per the MMRP.
9 Hot line should be maintained, manned by live body, to receive complaints or reports of violations. Violations should carry with them fines to discourage contractor abuse.	A Traffic/Transportation Coordinator will be available on-site and accessible by telephone. Contact information for the owner's representative would be made available to the public.
10 County inspectors should closely monitor contractor operations on Cachagua Road to ensure conformance to traffic management plan.	The County-approved MMRP requires the Monterey County Public Works Department to monitor and enforce compliance. Contractor monitoring will occur daily and quarterly reports will be submitted to the County throughout construction.
11 Cachagua Road should be maintained throughout construction period. Contractor will be required to return road to original state at end of construction, but road should not be allowed to deteriorate for 4+ years until repaired.	The contractor will monitor road conditions and make repairs for safe, drivable use throughout the construction period (e.g., potholes would be repaired etc.). Any further repairs would be made at the end of the project as discussed in the April 2012 SEIR.
12 Contractor will be forbidden to make any changes to Cachagua road other than the specific changes set forth in the bid documents.	The contractor would only construct the approved work as defined in the bid documents. If for some reason changes were proposed, the county would be informed and have review and approval opportunity. Depending on the proposed change, permits may need to be amended and supplemental environmental review, public input, and County approval as a responsible agency may be necessary.
13 Any additional changes proposed by contractor must be approved by County and reviewed in advance by Cachagua Property Owners Association, which will serve as conduit for all construction related community issues.	As described above, any additional road improvements proposed by the contractor would need to be reviewed by the County.
14 Dust and dirt must be controlled as trucks exit from Jeep Road.	Soil stabilizers will be applied to disturbed construction areas, as needed. Haul trucks will maintain at least 2 feet of freeboard; remove excess dirt from tires prior to the use of public roads; and, secure and cover loose-material loads. Signs will be posted with names and telephone numbers of both project and Monterey Bay Unified Air Pollution Control District staff to contact regarding dust complains. This person will respond to complains and take corrective action within 48 hours. Dust control measures will meet Air Quality standards. A 15 mph limit will be enforced on unpaved roads.

Exhibit N –
Public Comments

Schubert, Bob J. x5183

From: Maggie Tharp [maggiemoix@yahoo.com]
Sent: Monday, August 06, 2012 9:54 AM
To: Schubert, Bob J. x5183
Subject: Dam project at Tassajara Road/Cachagua road

Dear Mr. Schubert:

I thank you for taking the time to talk with me last week regarding my concerns and fellow neighbors here in the Tassajara /Cachagua area

I did call the Public Road Department as you suggested and spoke with a Chad who was extremely nice and understood my concerns and said he would do his best to take care of them.

I will list these concerns again here:

1. I had asked the road dept years ago if they would stripe and put reflectors on Tassajara road (especially on the curves) but was told it is too narrow. I told them then of traffic concerns because it is narrow and some people out here drive too fast and come right up the middle of the road. I spoke to Chad about this and he seemed to understand what I was saying. Having large trucks come up these roads poses a even more dangerous situation. Also, there our "blind curves on Carmel Valley Road that need to be addressed-- (would mirrors work so that one knows what is coming toward them. And some slow speed limit signs would help remind drivers to keep it slow in these blind areas.
2. Also, I think more pull off areas need to be made along the route of these trucks so they hopefully will be courteous enough to pull off and let cars go by.
3. I also spoke to Chad about the wildlife out here. I am a big animal advocate and sadly there is enough deer, etc that have been hit out here because of speed, and not being on the lookout. I would hate to see this increased . I told Chad maybe the drivers of these trucks can be educated to slow down and keep alert of wildlife in this area. Chad said he would address this issue to the Fish & Game Dept. (and signs saying like "slow and be alert for wildlife"
4. When this work does start we hope it is completed by the upcoming holidays.

I heard last night that there is a petition going around which probably addresses some of what I have mentioned

I am hoping that you and all concerned will give these concerns your fullest attention.

08/29/2012

Thank you kindly

Maggie (Moix) Tharp
(831)659-5989

Schubert, Bob J. x5183

From: dgcon@roadrunner.com
Sent: Monday, July 23, 2012 4:14 PM
To: Schubert, Bob J. x5183
Subject: Planning Commission Meeting Item #1

Dear Sir--

I am a homeowner in the Cachagua Valley at 19350 Cachagua Rd. I regret that I will be out of the country and cannot attend the Planning Commission Meeting on July 25, but I hope the concerns raised in this email can be included in the discussion of Item 1 California-American Water Company-PLN110373.

Without comment as to the merits of the San Clemente Dam Removal Project itself, I am extremely concerned about the traffic impacts associated with the decision to utilize Cachagua Rd. for much of the construction related traffic throughout the long life of the Project. Other shorter routes were rejected. I am not convinced that the project sponsors did all they could to notify Cachagua residents of the two SEIRs recently generated for the project, and to adequately inform residents as to the public comment periods and residents' right to comment. I know that many of my neighbors share my concerns.

The project team has made recent community outreach efforts, however, and has attempted to inform the community in regard to operational issues and potential mitigations, and the physical "improvements" proposed for Cachagua Rd. intended to facilitate the movement of heavy construction vehicles. These efforts are a start, but much remains to be done.

I ask that the Commission require the project sponsor to seek input from the residents of Cachagua Valley in regard to both operational issues and physical improvements, and that the County assist in ensuring that such input is properly reflected in final construction and traffic management plans. The residents already feel that they are being unfairly saddled with the lion's share of project traffic impacts for no clear reason, and they do not want to be at the mercy of contractor motivated solely to move equipment through their neighborhood. I also request that the agreed upon improvements and operational guidelines be enforceable with immediate recourse to address any violations.

Thank you.

Douglas J. Gardner
19350 Cachagua Rd.
Carmel Valley CA 93924
dgcon@roadrunner.com

September 2, 2012

Trish Chapman
California State Coastal Conservancy
1330 Broadway, 13th Floor
Oakland, CA 94612-2530
Cc: Laura Engeman, Robert Schubert, Lindsey Friday

**Re: San Clemente Dam Removal Project
SEIR #2**

Dear Ms Chapman:

I am writing on behalf of the Cachagua Property Owners Association (CAPOA) to propose that the California State Coastal Conservancy and the CAPOA enter into an agreement to toll the applicable limitations period to file a legal challenge to SEIR #2, under the California Environmental Quality Act (Cal. Public Resources Code Sections 21000 et seq.) by thirty calendar days.

As you know, the residents of Cachagua are extremely concerned about the impacts associated with the extended use of Cachagua Road as the major construction access route for the dam removal project. Moreover, the residents feel that they were not given sufficient notice of the project itself and their right to bring their concerns to the County, the project applicant, and the decision makers within the limited timeframes that were established.

CAPOA has made a concerted effort over the last several weeks to become informed about the project and its implications. We have been, as you know, in constructive discussions with the County and the Project Applicant and we hope that mutually acceptable solutions to our concerns can be negotiated and memorialized. However, the extremely short timeframe within which we have to work compels us to request this extension.

We look forward to your immediate attention to this request.

Thank you.

Douglas J. Gardner
19350 Cachagua Rd.
Carmel Valley CA 91362
dgcon@roadrunner.com

Schubert, Bob J. x5183

From: dgcon@roadrunner.com
Sent: Wednesday, September 05, 2012 9:10 AM
To: Schubert, Bob J. x5183; lengeman@scc.ca.gov; tchapman@scc.ca.gov
Cc: scardinabuilders@sbcglobal.net
Subject: Improvements/Operations List---Cachagua Rd

Attachments: CAPOA-August 30 Meeting.docx; CV issues list.xlsx



CAPOA-August 30 Meeting.docx (...
CV issues list.xlsx
(54 KB)

Bob, Trish and Laura--Please find attached 2 things:

1--Notes prepared by Tont Scardina, who attended the meeting last Thursday, summarizing our team's understanding of the issues discussed and conclusions reached.

2--A matrix which attempts to list all our issues relative to Cachagua Rd improvements and operations. This matrix builds off the matrix Laura prepared several weeks ago. I have attempted to indicate if I thought the specific issue/solution was ok with your group and our group--indicated by the "OK". So you need to check those items to verify that we are indeed in agreement. The ones with the question marks are ones where we are not sure of your position.

We would like to see if you can complete the matrix so that we may be precise in spelling out what we have agreed to, and also precise about where we are not at closure. A third column on the matrix indicates where each agreed upon item will be documented--Mitigation Monitoring, Permit Conditions etc. It would help if you could fill in those lines for the items we agree on. I understand that you may also have edits to the issues as written.

I realize that other parties may have to weigh in on this---Public Works, URS etc---but I will leave it to you all to distribute this as you see fit.

Time is running out. A smaller group of us---maybe two or three, including me---can meet with you anytime Friday to try to get to closure on this. Let me know. Thanks..Doug Gardner 805 750 0744

Review Proposed Cachagua Improvements

- A. **Confirm bid vs. design/build:** Design build for damn removal project only. Bid for improvements based on plans & specifications that can be viewed online or purchased through builders exchange or Arch Reographics
- B. **Review bid set:** Bid set for review at meeting also see above for more information
- C. **Timing of Construction:** Timing for road improvement construction TBD at September 12, 2012 meeting of Monterey County Planning Commission. New start date for now October 1, 2012. Access plans need to be worked out before approval.
- D. **Partial road closures:** Yes on road closures. Planners have given a 9am to 3pm closures for the hairpin turns at Crane property for a 10 week period starting when contract has been awarded and start dates are implemented by contractor of record for the road improvements. The damn removal phase will not affect road closures according to the planners at this time. This could change depending on the design build criteria affected by the awarded contractor.

Operational issues

- A. **Type of trucks and truck trips:** Type of trucks and truck trips are as indicated on the Carmel River Re-route and San Clemente Dam Project Construction Traffic Estimates/Daily Average Trips. These estimates include the road improvement contract in 2012 and 2013. The easy way to look at the traffic flow according to URS & WSC is big trucks and equipment along with large material deliveries (i.e. large pipe, Steel "I" Beams, etc.) will be detoured via the Tassajara /Cachagua Road route. All personnel and workers to be brought in on the Cachagua Grade route along with road base and asphalt and all other small material loads. San Clemente Road will be used for small personnel vehicles only.
- B. **Time of day/days of the week limitation:** Time of day for all personnel, bussing, small materials and 10 wheel trucks will be allowed to operate during any hours indicated by the contractor. Only large trucks & equipment (low boys) and large material deliveries will be limited to the 9am to 3pm time slots. Also the large truck route (Tassajara Rd) will be limited to regular working days. No weekends or Holidays.
- C. **Review of estimated trips; posting of estimated weekly trips:** Review of estimated trips and posting will be handled by a project trip coordinator that will be accessible to the public 24hrs a day 7 days a week via phone and email address posted on 4 locations (Carmel Valley Rd/Esquiline Rd, Carmel Valley Rd/Cachagua Rd, Carmel Valley Rd/Tassajara Rd And Tassajara Rd/Cachagua Rd) Coordination of trucking for residents & construction can be scheduled with project trip coordinator and contractor.
- D. **Proposed route for each trip type:** See Operational Issues B for answer

- E. **Required turnouts and locations:** Required turnouts and locations have not been fully addressed by the applicants, URS, WSC & Coastal Conservancy as well as County Public Works. This issue needs resolution before county approval. The turnout issue is paramount to the flow of traffic during the road and dam projects. This includes the Tassajara and Cachagua Rd routes.
- F. **Construction of Jeep Trail and materials required:** Construction of the Jeep Trail can be reviewed on the bid set of plans and specs. , materials used and route with turnouts are shown
- G. **Reporting violations/Penalties:** The reporting of violations can be made through the project trip coordinator and also through the Public Works Dept. of Monterey County. Since the Cachagua/ Tassajara/ Carmel Valley Roads are permitted by the county of Monterey they have the authority to fine offending contractors or even revoke the permits if necessary.
- H. **Repair of Cachagua Rd during/after construction:** The upkeep/repair of the Cachagua/Tassajara and Carmel Valley Roads has not been addressed completely to the resident's satisfaction. There has been no criteria or requirements set by the Monterey County Public Works Dept. stating the condition requirements before, during or after the projects have been completed. We believe there should be minimum requirements added to the use permit for both phases of the projects put forward by the applicants. This issue should be addressed before issuance of any permits.

Follow Up Activities

- A. **Implementation of operational requirements:** The implementation of the operational requirements will be administrated by the County of Monterey according to the use permit and the conditions set in that permit. The point of contact will be the Public Works Dept. and the Project Trip Coordinator that we assume will be a county employee or a private entity, that will have the oversight by the County of Monterey.
- B. **Future Meeting with Neighbors:** It was proposed by Jeff Szytel (WSC) and agreed upon by all parties at the meeting that we will have monthly meetings with CAPOA and any concerned members to address any issues or problems that may occur before and during construction.
- C. **Information dissemination during construction:** CAPOA has agreed to provide the applicants and Monterey County Public Works Dept. a mailing list for better notification to our members and residents of the roads and areas affected by these projects. We all hope to have better notification for the community so they can have informed input in regards to the issues that are of concern.

Cachagua Road Improvement and Operational Issues

DRAFT September 4, 2012

<u>Improvement Issues:</u>	<u>Agree/Disagree</u>	<u>Where to be Documented</u>
<p>1 ~All improvements to be constructed per bid document OK ~Any changes must be approved by Public Works. OK ~CAPOA will be notified in advance of changes. OK ~Improvements will be bid, not design-build OK</p> <p>2 ~Partial closures permitted for 2 hair-pin turns. OK ~Closures 9 am to 3 pm weekdays only, up to 10 weeks ? ~One lane always to remain open at all other times OK ~Both hairpin turns to be constructed simultaneously. OK ~Land owners located between hair-pin turns must be provided ingress-egress ~No other road closures for improvements or dam project ~Emergency vehicles must have passage 24/7/365 OK</p> <p>3 ~Any vegetation removed for construction to be restored OK ~Cachagua Rd. to be regularly maintained and repaired throughout entirety of dam removal project ? ~Cachagua Rd. to be brought to County standards at completion of dam removal project ?</p>		
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Operational Issues (cont)

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September 2, 2012

Trish Chapman
California State Coastal Conservancy
1330 Broadway, 13th Floor
Oakland, CA 94612-2530
Cc: Laura Engeman, Robert Schubert, Lindsey Friday

**Re: San Clemente Dam Removal Project
SEIR #2**

Dear Ms Chapman:

I am writing on behalf of the Cachagua Property Owners Association (CAPOA) to propose that the California State Coastal Conservancy and the CAPOA enter into an agreement to toll the applicable limitations period to file a legal challenge to SEIR #2, under the California Environmental Quality Act (Cal. Public Resources Code Sections 21000 et seq.) by thirty calendar days.

As you know, the residents of Cachagua are extremely concerned about the impacts associated with the extended use of Cachagua Road as the major construction access route for the dam removal project. Moreover, the residents feel that they were not given sufficient notice of the project itself and their right to bring their concerns to the County, the project applicant, and the decision makers within the limited timeframes that were established.

CAPOA has made a concerted effort over the last several weeks to become informed about the project and its implications. We have been, as you know, in constructive discussions with the County and the Project Applicant and we hope that mutually acceptable solutions to our concerns can be negotiated and memorialized. However, the extremely short timeframe within which we have to work compels us to request this extension.

We look forward to your immediate attention to this request.

Thank you.

Douglas J. Gardner
19350 Cachagua Rd.
Carmel Valley CA 91362
dgcon@roadrunner.com

Schubert, Bob J. x5183

From: dgcon@roadrunner.com
Sent: Wednesday, September 05, 2012 9:10 AM
To: Schubert, Bob J. x5183; lengeman@scc.ca.gov; tchapman@scc.ca.gov
Cc: scardinabuilders@sbcglobal.net
Subject: Improvements/Operations List---Cachagua Rd

Attachments: CAPOA-August 30 Meeting.docx; CV issues list.xlsx



CAPOA-August 30 CV issues list.xlsx
Meeting.docx (... (54 KB)

Bob, Trish and Laura--Please find attached 2 things:

1--Notes prepared by Tont Scardina, who attended the meeting last Thursday, summarizing our team's understanding of the issues discussed and conclusions reached.

2--A matrix which attempts to list all our issues relative to Cachagua Rd improvements and operations. This matrix builds off the matrix Laura prepared several weeks ago. I have attempted to indicate if I thought the specific issue/solution was ok with your group and our group-indicated by the "OK". So you need to check those items to verify that we are indeed in agreement. The ones with the question marks are ones where we are not sure of you position.

We would like to see if you can complete the matrix so that we may be precise in spelling out what we have agreed to, and also precise about where we are not at closure. A third column on the matrix indicates where each agreed upon item will be documented--Mitigation Monitoring, Permit Conditions etc. It would help if you could fill in those lines for the items we agree on. I understand that you may also have edits to the issues as written.

I realize that other parties may have to weigh in on this---Public Works, URS etc---but I will leave it to you all to distribute this as you see fit.

Time is running out. A smaller group of us---maybe two or three, including me---can meet with you anytime Friday to try to get to closure on this. Let me know. Thanks..Doug Gardner 805 750 0744

Review Proposed Cachagua Improvements

- A. **Confirm bid vs. design/build:** Design build for damn removal project only. Bid for improvements based on plans & specifications that can be viewed online or purchased through builders exchange or Arch Reographics
- B. **Review bid set:** Bid set for review at meeting also see above for more information
- C. **Timing of Construction:** Timing for road improvement construction TBD at September 12, 2012 meeting of Monterey County Planning Commission. New start date for now October 1, 2012. Access plans need to be worked out before approval.
- D. **Partial road closures:** Yes on road closures. Planners have given a 9am to 3pm closures for the hairpin turns at Crane property for a 10 week period starting when contract has been awarded and start dates are implemented by contractor of record for the road improvements. The damn removal phase will not affect road closures according to the planners at this time. This could change depending on the design build criteria affected by the awarded contractor.

Operational issues

- A. **Type of trucks and truck trips:** Type of trucks and truck trips are as indicated on the Carmel River Re-route and San Clemente Dam Project Construction Traffic Estimates/Daily Average Trips. These estimates include the road improvement contract in 2012 and 2013. The easy way to look at the traffic flow according to URS & WSC is big trucks and equipment along with large material deliveries (i.e. large pipe, Steel "I" Beams, etc.) will be detoured via the Tassajara /Cachagua Road route. All personnel and workers to be brought in on the Cachagua Grade route along with road base and asphalt and all other small material loads. San Clemente Road will be used for small personnel vehicles only.
- B. **Time of day/days of the week limitation:** Time of day for all personnel, bussing, small materials and 10 wheel trucks will be allowed to operate during any hours indicated by the contractor. Only large trucks & equipment (low boys) and large material deliveries will be limited to the 9am to 3pm time slots. Also the large truck route (Tassajara Rd) will be limited to regular working days. No weekends or Holidays.
- C. **Review of estimated trips; posting of estimated weekly trips:** Review of estimated trips and posting will be handled by a project trip coordinator that will be accessible to the public 24hrs a day 7 days a week via phone and email address posted on 4 locations (Carmel Valley Rd/Esquiline Rd, Carmel Valley Rd/Cachagua Rd, Carmel Valley Rd/Tassajara Rd And Tassajara Rd/Cachagua Rd) Coordination of trucking for residents & construction can be scheduled with project trip coordinator and contractor.
- D. **Proposed route for each trip type:** See Operational Issues B for answer

- E. **Required turnouts and locations:** Required turnouts and locations have not been fully addressed by the applicants, URS, WSC & Coastal Conservancy as well as County Public Works. This issue needs resolution before county approval. The turnout issue is paramount to the flow of traffic during the road and dam projects. This includes the Tassajara and Cachagua Rd routes.
- F. **Construction of Jeep Trail and materials required:** Construction of the Jeep Trail can be reviewed on the bid set of plans and specs. , materials used and route with turnouts are shown
- G. **Reporting violations/Penalties:** The reporting of violations can be made through the project trip coordinator and also through the Public Works Dept. of Monterey County. Since the Cachagua/ Tassajara/ Carmel Valley Roads are permitted by the county of Monterey they have the authority to fine offending contractors or even revoke the permits if necessary.
- H. **Repair of Cachagua Rd during/after construction:** The upkeep/repair of the Cachagua/Tassajara and Carmel Valley Roads has not been addressed completely to the resident's satisfaction. There has been no criteria or requirements set by the Monterey County Public Works Dept. stating the condition requirements before, during or after the projects have been completed. We believe there should be minimum requirements added to the use permit for both phases of the projects put forward by the applicants. This issue should be addressed before issuance of any permits.

Follow Up Activities

- A. **Implementation of operational requirements:** The implementation of the operational requirements will be administrated by the County of Monterey according to the use permit and the conditions set in that permit. The point of contact will be the Public Works Dept. and the Project Trip Coordinator that we assume will be a county employee or a private entity, that will have the oversight by the County of Monterey.
- B. **Future Meeting with Neighbors:** It was proposed by Jeff Szytel (WSC) and agreed upon by all parties at the meeting that we will have monthly meetings with CAPOA and any concerned members to address any issues or problems that may occur before and during construction.
- C. **Information dissemination during construction:** CAPOA has agreed to provide the applicants and Monterey County Public Works Dept. a mailing list for better notification to our members and residents of the roads and areas affected by these projects. We all hope to have better notification for the community so they can have informed input in regards to the issues that are of concern.

Cachagua Road Improvement and Operational Issues

DRAFT September 4, 2012

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