



South Coast Water District

Recycled Water Distribution Bottleneck Upsizing Project

Work Plan

Description of the Project

The Pacific Coast Highway Recycled Water Distribution Bottleneck Upsizing involves replacement of a recycled water distribution line from Recycled Water Pump Station No. 2 (RPS2) to the intersection of 9th and Pacific Coast Highway, in the city of Laguna Beach. The existing distribution system contains a 6,600' section of 10" diameter pipe with 12" diameter pipe continuing on each end. This section of reduced diameter pipe limits flow capacity in the recycled water system.

In order to improve the existing recycled water system 6,600 feet of a 10" diameter pipe must be upsized and eliminate the bottleneck in the system. As part of the project a valve at Recycled Water Pump Station #2 will also be automated.

As it is explained in the following sections, the project is currently under design and the District is requesting funding for the construction phase only. Please see Exhibits 1 & 2 for the project map and the SCWD service boundary.

Project Proponent/Partner (if applicable)

South Coast Water District will be the only agency responsible for this project

WORK PLAN TASKS

Task 1. Direct Project Administration and Reporting

This task involves grant administration during the construction phase. Activities & submittals for this task include:

- Progress Reports and Invoicing
- Draft and Final Project Report
- Labor Compliance Program

Task 2. Environmental Documentation

SCWD has applied and received approval for Mitigated Negative Declaration (MND) for this project as part of the process for obtaining environmental approval on its 2008 Infrastructure Master Plan (IMP).

This IMP provides a comprehensive water supply, water distribution, wastewater and recycled water infrastructure for the District. The IMP includes the Capital Improvement Program that lists the Recycled Water Distribution Bottleneck Upsizing Project.



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Below please see the approval for the MND was received on April 17, 2009 from the State Clearing House and Planning office.

Task 3. Project Evaluation/Easement/Design Engineering

The scope of work for this task is well under way:

1. Evaluation: South Coast Water District (SCWD) has completed this portion of the work.
2. Easements: This project does not require any easements
3. Design: SCWD has retained a consultant that is currently preparing the design documents of the project with an estimated completion in August 2015.

Deliverables include:

- Final plans and specifications
- Construction cost estimates

Task 4. Permitting

All the required permits will be secured as part of the completion of the design phase by design consultant, the contractor as part of the construction phase, and/or District staff. Permits required for this project are:

1. Caltrans encroachment permit – Final construction documents will be submitted to Caltrans for review and approval. Contractor will be conditioned to secure the permit from Caltrans
2. City of Laguna Beach
3. County of Orange
4. RWQCB – Notice of Interest (NOI) and appropriate SWPPP will be submitted for review and approval

Task 5. Bid Award/ Project Construction

This task involves bidding the project for construction, award of contract, construction implementation, and construction management.

The scope of work for the construction phase includes procurement and installation of a vault, automated valve, 6,600' of 12" diameter C900 pipe, including appurtenances and connections to existing system.

Activities for this task include:

- Release for bids: September 2015
- Bid opening: October 2015
- Bid analysis and award: November 2015
- Construction commencement: December 2015 to accommodate Caltrans “no work on Pacific Coast Highway” during summer months
- Construction completion: May 2016



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Deliverables for this task include:

- Advertisement for bids
- Bid results
- Construction contract and award notice and agenda
- Construction schedule, daily notes, photographs, change orders (if any), progress reports
- Administration of the labor compliance program
- Project close out documents

Task 6. Proposal Monitoring Plan

This task involves verifying water and energy savings and greenhouse gas reduction.

South Coast Water District will use its existing SCADA system to compare pump run times before and after the changes to the recycled water distribution system. In addition, recycled water and potable water usage will be documented to determine a correlation between increased recycled water supply and decrease use of potable water for irrigation. It is expected that the hydraulic changes to the recycled water system will decrease the required pressure to deliver recycled water throughout the system and this will result in further energy savings.

Activities for this task include:

- Metering results for potable water usage before and after project implementation
- Metering results for recycled water supply
- Comparison of energy usage before and after project implementation

This project does not impact surface water quality.



Recycled Water Distribution Bottleneck Upsizing Project – Work Plan

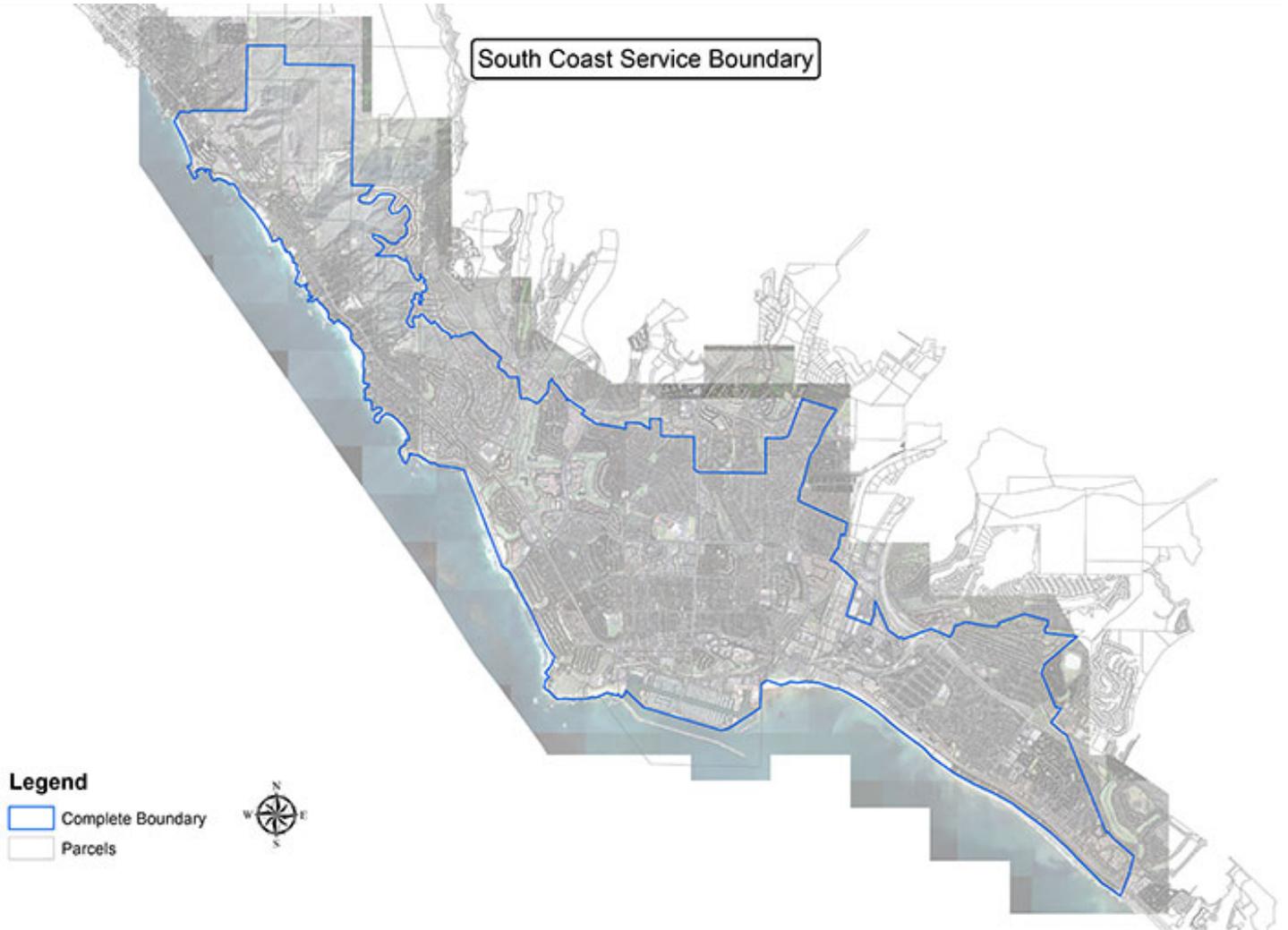


Exhibit 2 - South Coast Water District Service Boundary



STATE OF CALIFORNIA
 GOVERNOR'S OFFICE of PLANNING AND RESEARCH
 STATE CLEARINGHOUSE AND PLANNING UNIT

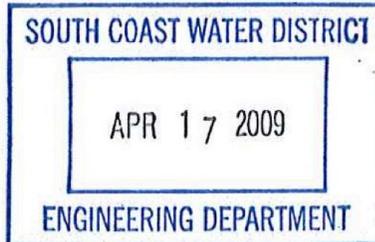


ARNOLD SCHWARZENEGGER
 GOVERNOR

CYNTHIA BRYANT
 DIRECTOR

April 10, 2009

Robert Clark
 South Coast Water District
 P.O. Box 30205
 Laguna Beach, CA 92607



Subject: Infrastructure Master Plan
 SCH#: 2009031026

Dear Robert Clark:

The State Clearinghouse submitted the above named Mitigated Negative Declaration to selected state agencies for review. The review period closed on April 9, 2009, and no state agencies submitted comments by that date. This letter acknowledges that you have complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act.

Please call the State Clearinghouse at (916) 445-0613 if you have any questions regarding the environmental review process. If you have a question about the above-named project, please refer to the ten-digit State Clearinghouse number when contacting this office.

Sincerely,

Terry Roberts
 Director, State Clearinghouse

**Document Details Report
State Clearinghouse Data Base**

SCH# 2009031026
Project Title Infrastructure Master Plan
Lead Agency South Coast Water District

Type MND Mitigated Negative Declaration
Description South Coast Water District prepared an Infrastructure Master Plan (IMP) to provide a comprehensive water supply, water distribution, wastewater, and recycled water plan for the District. The IMP details water supply, water distribution, wastewater, and recycled water infrastructure in the District's infrastructure that will need to be addressed, such as infrastructure replacement and expansion, emergency demands on the system, and managing resources. The IMP includes a Capital Improvement Program that details the capital improvements projects (CI Projects) that will need to be conducted in the next 10 years to remedy the infrastructure issues identified in the IMP.

Lead Agency Contact

Name Robert Clark
Agency South Coast Water District
Phone 949-499-4555 **Fax**
email
Address P.O. Box 30205
City Laguna Beach **State** CA **Zip** 92607

Project Location

County Orange
City Laguna Beach
Region
Lat / Long
Cross Streets
Parcel No.
Township

Range **Section** **Base**

Proximity to:

Highways 1
Airports
Railways
Waterways Aliso Creek
Schools
Land Use

Project Issues Aesthetic/Visual; Air Quality; Archaeologic-Historic; Biological Resources; Coastal Zone; Cumulative Effects; Geologic/Seismic; Landuse; Noise; Population/Housing Balance; Public Services; Recreation/Parks; Traffic/Circulation; Vegetation

Reviewing Agencies Resources Agency; Department of Conservation; Department of Fish and Game, Region 5; Office of Historic Preservation; Department of Parks and Recreation; Department of Water Resources; California Highway Patrol; Caltrans, District 12; Department of Health Services; Integrated Waste Management Board; State Water Resources Control Board, Division of Water Quality; Regional Water Quality Control Board, Region 9; Native American Heritage Commission; Public Utilities Commission

Date Received 03/11/2009 **Start of Review** 03/11/2009 **End of Review** 04/09/2009

DEPARTMENT OF TRANSPORTATION

District 12
3337 Michelson Drive, Suite 380
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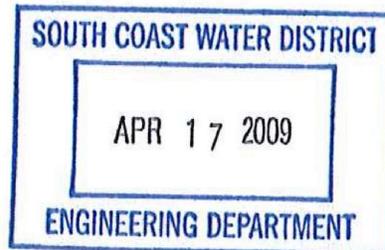


*Flex your power!
Be energy efficient!*

FAX & MAIL

April 13, 2009

Robert Clark
South Coast Water District
P.O. Box 30205
Laguna Niguel, California 92607



File: IGR/CEQA
SCH#: 2009031031
Log #: 2230
PCH

Subject: South Coast Water District Infrastructure Master Plan

Dear Mr. Clark,

Thank you for the opportunity to review and comment on the **Initial Study/Mitigated Negative Declaration for the South Coast Water District Infrastructure Master Plan project**. The Master Plan is prepared to provide a comprehensive water supply, water distribution, and wastewater, recycled water plan, and identifies existing and potential inefficiencies and deficiencies for the District. The District includes the communities of South Laguna, Monarch Beach, Dana Point, Capistrano Beach, north coastal San Clemente, and southernmost San Juan Capistrano. The nearest State route to the project site is Pacific Coast Highway (PCH).

The Department of Transportation (Department) is a commenting agency on this project and has the following comments:

1. Submit construction traffic management and traffic control plans for each phase of construction along PCH to the Department for further review.
2. All the traffic related work within the State Right of Way must comply with the Department's latest MUCTD guidelines.
3. Should the sewer pipeline cross the State Right of Way, an encroachment permit will be required.
4. If any project work (e.g. storage of materials, street widening, emergency access improvements, sewer connections, sound walls, storm drain construction, street connections, etc.) will occur in the vicinity of the Department Right of Way, an encroachment permit is required prior to commencement of work. Please allow 2 to 4 weeks for a complete submittal to be reviewed and for a permit to be issued. When applying for an Encroachment Permit, please incorporate Environmental Documentation, SWPPP/ WPCP, Hydraulic Calculations, Traffic Control Plans, Geotechnical Analysis, Right of Way certification and all relevant design details including design exception

approvals. For specific details on the Department Encroachment Permits procedure, please refer to the Department Encroachment Permits Manual. The latest edition of the manual is available on the web site:

<http://www.dot.ca.gov/hq/traffops/developserv/permits/>

5. All work within the State Right of Way must conform to The Department Standard Plans and Standard Specifications for Water Pollution Control, including production of a Water Pollution Control Program (WPCP) or Storm Water Pollution Prevention Plan (SWPPP) as required. Any runoff draining into The Department Right of Way from construction operations, or from the resulting project, cannot be approved by District 12 Environmental Planning. Measures must be incorporated to contain all vehicle loads and avoid any tracking of materials, which may fall or blow onto The Department roadways or facilities. Please note that all projects involving soil disturbance activities should pay extra attention to storm water pollution control during the "Rainy Season" (October 1st – April 30th) and follow the Water Pollution Control BMPs to minimize impact to the receiving waters. (*See Attachment: Water Pollution Control Provisions*)

Please continue to keep us informed of this project and any future developments, which could potentially, impact State transportation facilities. If you have any questions or need to contact us, please do not hesitate to call Maryam Molavi at (949) 724-2267.

Sincerely,



Christopher Herre, Branch Chief
Local Development/Intergovernmental Review

C: Terry Roberts, Office of Planning and Research