



# Santa Clara Valley Water District

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**File No.:** 16-0566

**Agenda Date:** 4/11/2017

**Item No.:** 3.3.

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## BOARD AGENDA MEMORANDUM

### **SUBJECT:**

Adopt Plans and Specifications and Authorize Advertisement for Bids for the Installation of Cathodic Protection Rectifiers and Deep-Well Anodes on the Pacheco Conduit, Project No. 91214010.

### **RECOMMENDATION:**

- A. Adopt Plans and Specifications and Authorize Advertisement for Bids for the Installation of Cathodic Protection Rectifiers and Deep-Well Anodes on the Pacheco Conduit per the Notice to Bidders; and
- B. Authorize the Designated Engineer to issue addenda, as necessary, during the bidding process.

### **SUMMARY:**

The San Felipe System transports raw water from San Luis Reservoir to Santa Clara and San Benito Counties. The District is responsible for the operation and maintenance of the system pursuant to an agreement with United States Bureau of Reclamation (USBR). The Pacheco Conduit is an integral portion of the San Felipe System; it is comprised of 7.9 miles of 120 inch diameter pre-stressed concrete cylinder pipe (PCCP) known to be susceptible to corrosion.

Cathodic protection is an electrical means of corrosion control, and is a proven method to protect and extend the useful life of pipelines and appurtenances. The Pacheco Conduit was provided with a corrosion monitoring system when it was built in 1985, but not with a cathodic protection system, since pre-construction resistivity testing at that time showed the Pacheco Conduit to be in a relatively non-corrosive environment.

The proposed Project involves the installation of four (4) cathodic protection rectifiers and four (4) deep-dell anodes on the Pacheco Conduit, installed to extend the useful life of the pipeline, and minimize the potential for unexpected outages, leaks, and catastrophic failures. Completion of the proposed Project will improve the long term reliable delivery of untreated water through the District's water supply system.

Construction of the proposed Project is scheduled to begin in spring 2017 and the work would be completed in summer of 2017.

***Previous Board Actions Related to this Project:***

On March 9, 2010, the Board approved the Resolution to Consider Undertaking a Work of Improvement and set the Public Hearing on the Engineer's Report that covers all the cathodic protection/corrosion control and monitoring projects in the Pipeline Maintenance Program. On April 13, 2010, the Board held a Public Hearing and adopted a resolution approving the Engineer's Report.

***Board Adoption of Plans and Specifications and Addenda Authorization:***

Board adoption of plans and specifications and Board authorization for bidding is recommended in order to proceed to bid the Project for construction. Authorizing the Designated Engineer to issue addenda during the bidding allows for modifications to the construction contract documents, if necessary, during the bidding period and before the contract is awarded.

***Public Outreach:***

The District's Communications Unit will implement an outreach plan for the Installation of Cathodic Protection Rectifiers and Deep-Well Anodes Project prior to construction. This plan will include the mailing of project flyers and public information signage with contact information for all public inquiries.

***Next Steps:***

If the Board approves the recommendations, staff will proceed to advertise for bids for the Project construction. The next Board action is award of a construction contract, tentatively scheduled for May 2017.

***FINANCIAL IMPACT:***

The Total Project cost for planning, design, and installation is estimated at \$500,000. Adequate funds are available in the San Felipe Reach 1 for the Fiscal Year 2016-2017 budget.

***CEQA:***

As the lead agency under the California Environmental Quality Act (CEQA) the District approved and adopted the Pipeline Maintenance Project (PMP) Environmental Impact Report (EIR) in November 2007. The PMP provides for the maintenance of the District's 14 raw water pipelines and 9 treated water pipelines. Staff has evaluated the potential impacts related to all components of the Project and determined that the Project is consistent with the activities evaluated in the final PMP EIR; hence, regulatory coverage for the Project is identified as a covered activity under the Santa Clara Valley Habitat Plan. No permits are needed from California Department of Fish and Wildlife and the Regional Water Quality Control, since the Project is located outside of the commonly identified riparian corridor. There are no additional analyses needed under CEQA.

In addition, since the Pacheco Conduit is a federally owned facility by the U.S. Bureau of Reclamation (Reclamation), it is also subject to National Environmental Policy Act (NEPA) review. Reclamation has prepared a Categorical Exclusion (CE) for the Project, and the CE also includes BMP's that will be applied to the Project.

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**ATTACHMENTS:**

Attachment 1: Notice to Bidders

Attachment 2: Project Location Map

**UNCLASSIFIED MANAGER:**

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