

Pacheco/Santa Clara Conduit  
Right of Way Acquisition Project  
Project No. 92144001

# Engineer's Report

December 2021

Water Utility Capital Division



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# PACHECO/SANTA CLARA CONDUIT RIGHT-OF-WAY ACQUISITION PROJECT

PROJECT NO. 92144001

## ENGINEER'S REPORT

Prepared By:

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Under the Direction of:

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Deputy Operating Officer  
Water Utility Capital Division

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Chief Operating Officer  
Water Utility Enterprise

Enrico Callender  
Chief Executive Officer

The Engineer's Report has been prepared under the direct supervision of the undersigned, who hereby certifies that he is a Registered Civil Engineer in the State of California



DECEMBER 2021

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## 1. PROJECT DESCRIPTION

The Pacheco/Santa Clara Conduit Right of Way Acquisition Project (Project) site is located along the Pacheco and Santa Clara Conduits owned by the United States Bureau of Reclamation (USBR) in the unincorporated southern portion of Santa Clara County and San Benito County, California. See Figure 1 for Project location.

Under an agreement with the USBR, Valley Water is responsible for the maintenance of the Pacheco and Santa Clara Conduits that provide raw water from San Luis Reservoir to Santa Clara County and San Benito County. The project was initiated to provide improved access to the conduits and reduce conflicts with local land owners for the Pacheco and Santa Clara Conduits. This Project will reduce response time for emergency repairs and operations. Not doing this project requires Valley Water staff to request permission to access Valley Water property from landowners adjacent to the Pacheco and Santa Clara Conduits any time the Valley Water property needs to be accessed.

The objectives of the Project are to:

- Improve access to maintenance sites along the Pacheco and Santa Clara Conduits through formal agreements with landowners; and,
- Implement cost-effective physical improvements to vaults and above-ground maintenance sites along the Pacheco and Santa Clara Conduits.

During the Planning phase of the project, staff evaluated conceptual and feasible alternatives and identified a recommended project that includes the following major items of work:

- Obtain rights-of-way at key locations along the Santa Clara Conduit;
- Provide gates at key locations along the conduit to enable use of existing right-of-way, and;
- Install gravel collars at key vault locations to provide a location for vehicle parking at the vaults.

## 2. ZONE BENEFITS

The proposed Project work will benefit customers of Zone W-2 (North County) and Zones W-5 and W-7 (South County).

## 3. PROJECT RIGHT OF WAY

New easements are proposed to provide improved access to the Pacheco and Santa Clara Conduits as follows:

- a. Acquire right of way for improved access to Santa Clara Conduit vault SCC-17
- b. Acquire right of way for improved access to Santa Clara Conduit vault SCC-25

- c. Acquire right of way for improved access to Santa Clara Conduit vault SCC-29
- d. Acquire right of way for improved access to Santa Clara Conduit vault SCC-40
- e. Acquire right of way for improved access to Santa Clara Conduit vault SCC-44
- f. Acquire right of way for improved access to Santa Clara Conduit vaults SCC-54, 55 and 56
- g. Acquire right of way for improved access to Santa Clara Conduit vault SCC-57
- h. Acquire right of way for improved access to Santa Clara Conduit vault SCC-60

#### **4. MAPS AND FIGURES**

See attached Figures 1 through 9. Figure 1 shows the Project location. Figures 2 through 9 show the proposed right of way acquisition highlighted in yellow at various locations along the Santa Clara Conduit.

#### **5. PROJECT COSTS**

The estimated costs to plan, design and construct the proposed Project are as follows:

- Planning, design and environmental phase costs: \$2.4 million
- Construction and close-out phase costs: \$1.2 million
- Real Estate Acquisition cost: \$2.5 million
- Total project cost: \$6.0 million

There is a cost sharing agreement with San Benito County for work on the San Felipe Division Reach 1 portion of the project. San Benito County is responsible for 22% of the expenditures on Reach 1, and the Valley Water is responsible for the remaining 78% on Reach 1 and all other expenditures. For Valley Water, the proposed Project would be funded 100% by the Water Utility Enterprise Fund (Fund 61) and will benefit the customers of Zone W-2 (North County), Zones W- 5, and W-7 (South County).

#### **6. PROJECT SCHEDULE**

- Complete project design: September 2013
- Complete Environmental documentation: February 2022
- Complete Real Estate Acquisition: October 2023
- Close out project: June 2024

#### **7. LIST OF MAPS AND FIGURES**

Figure 1 – Project Location and Vicinity Map

- Figure 2 – Right of Way acquisition near Santa Clara Conduit vault SCC-17
- Figure 3 – Right of Way acquisition near Santa Clara Conduit vault SCC-25
- Figure 4 – Right of Way acquisition near Santa Clara Conduit vault SCC-29
- Figure 5 – Right of Way acquisition near Santa Clara Conduit vault SCC-40
- Figure 6 – Right of Way acquisition near Santa Clara Conduit vault SCC-44
- Figure 7 – Right of Way acquisition near Santa Clara Conduit vault SCC-54, 55 and 56
- Figure 8 – Right of Way acquisition near Santa Clara Conduit vault SCC-57
- Figure 9 – Right of Way acquisition near Santa Clara Conduit vault SCC-60

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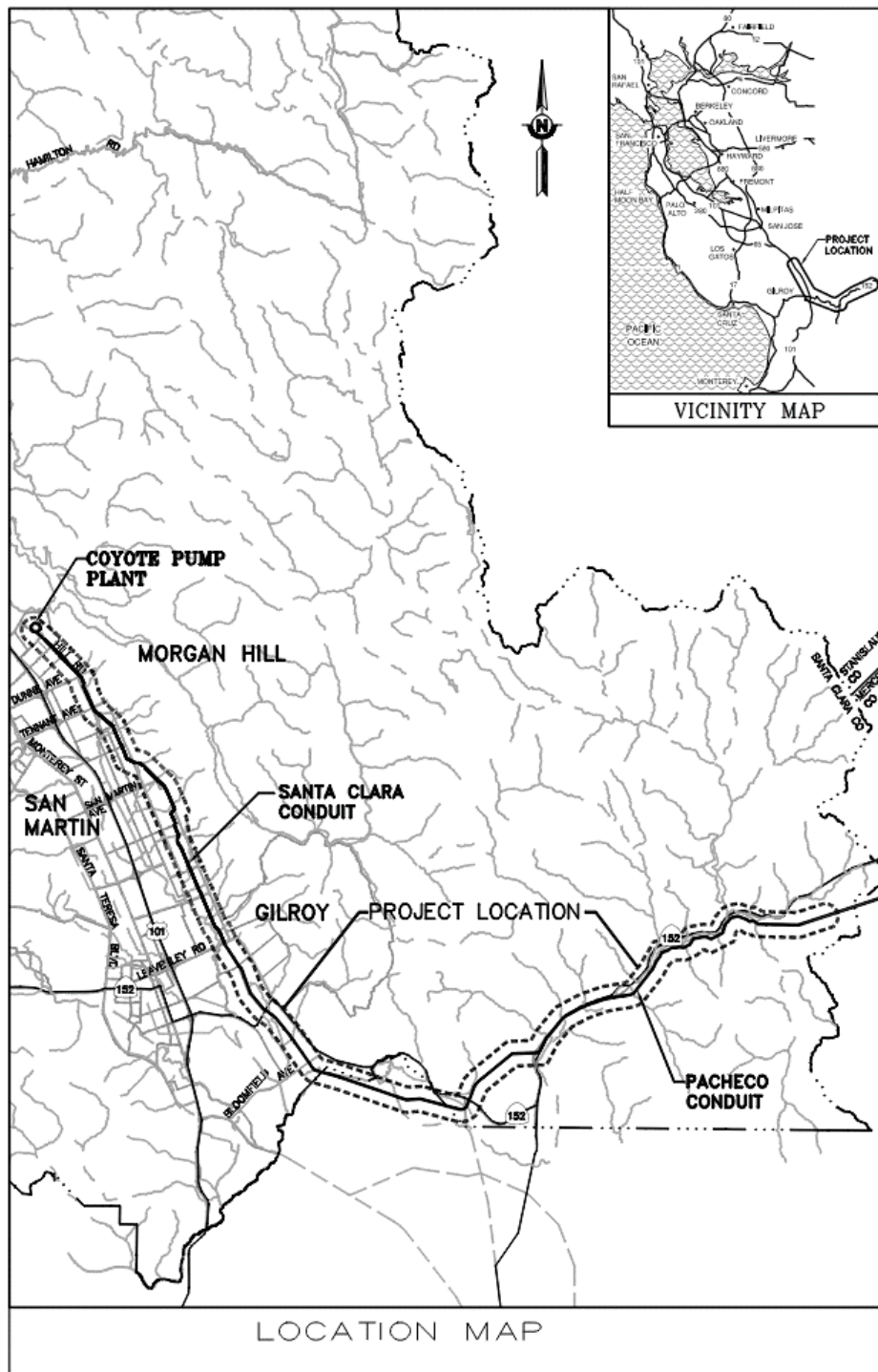


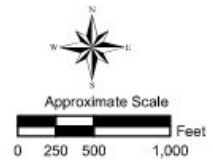
Figure 1 – Project Location and Vicinity Map





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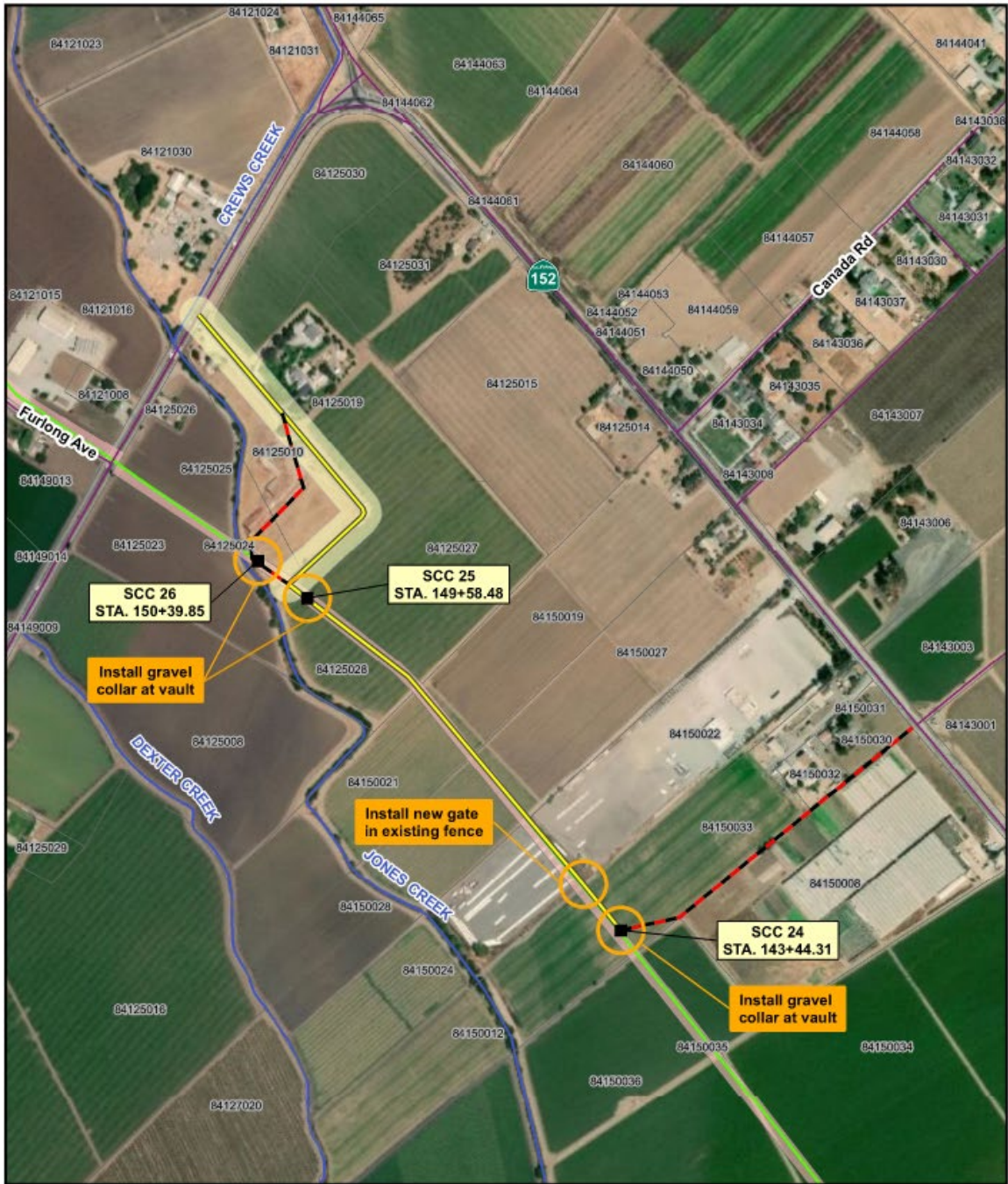
- Existing Route
- Proposed Route
- Raw Water Pipeline
- Pipeline Appurtenance
- Proposed Easment
- USBR Right of Way
- ~ Creek



GIS themes are for illustration and general analysis purposes only and are not accurate to surveying or engineering standards. Information is not guaranteed to be accurate, current, or complete and use of this information is your responsibility.

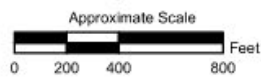
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**Figure 2 – Right of Way acquisition near Santa Clara Conduit vault SCC 17**



**LEGEND**

- Existing Route
- Proposed Route
- Pipeline Appurtenance
- Raw Water Pipeline
- Proposed Easment
- USBR Right of Way
- ~ Creek



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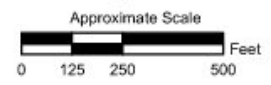
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**Figure 3 – Right of Way acquisition near Santa Clara Conduit vault SCC 25**



**LEGEND**

- Existing Route
- Proposed Route
- Pipeline Appurtenance
- Raw Water Pipeline
- Proposed Easment
- USBR Right of Way
- ~ Creek



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**Figure 4 – Right of Way acquisition near Santa Clara Conduit vault SCC 29**



**LEGEND**

- Existing Route
- Proposed Route
- Pipeline Appurtenance
- Raw Water Pipeline
- USBR Right of Way
- Proposed Easment
- Creek



Approximate Scale



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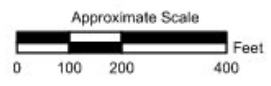
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**Figure 5 – Right of Way acquisition near Santa Clara Conduit vault SCC 40**



**LEGEND**

- Existing Route
- Proposed Route
- Raw Water Pipeline
- Pipeline Appurtenance
- Proposed Easment
- USBR Right of Way
- ~ Creek



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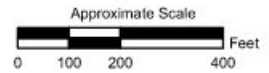
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**Figure 6 – Right of Way acquisition near Santa Clara Conduit vault SCC 44**



**LEGEND**

- Existing Route
- Proposed Route
- Pipeline Appurtenance
- Raw Water Pipeline
- Proposed Easment
- USBR Right of Way
- Creek



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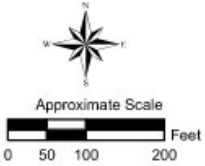
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**Figure 7 – Right of Way acquisition near Santa Clara Conduit vaults SCC 54,55 and 56**



**LEGEND**

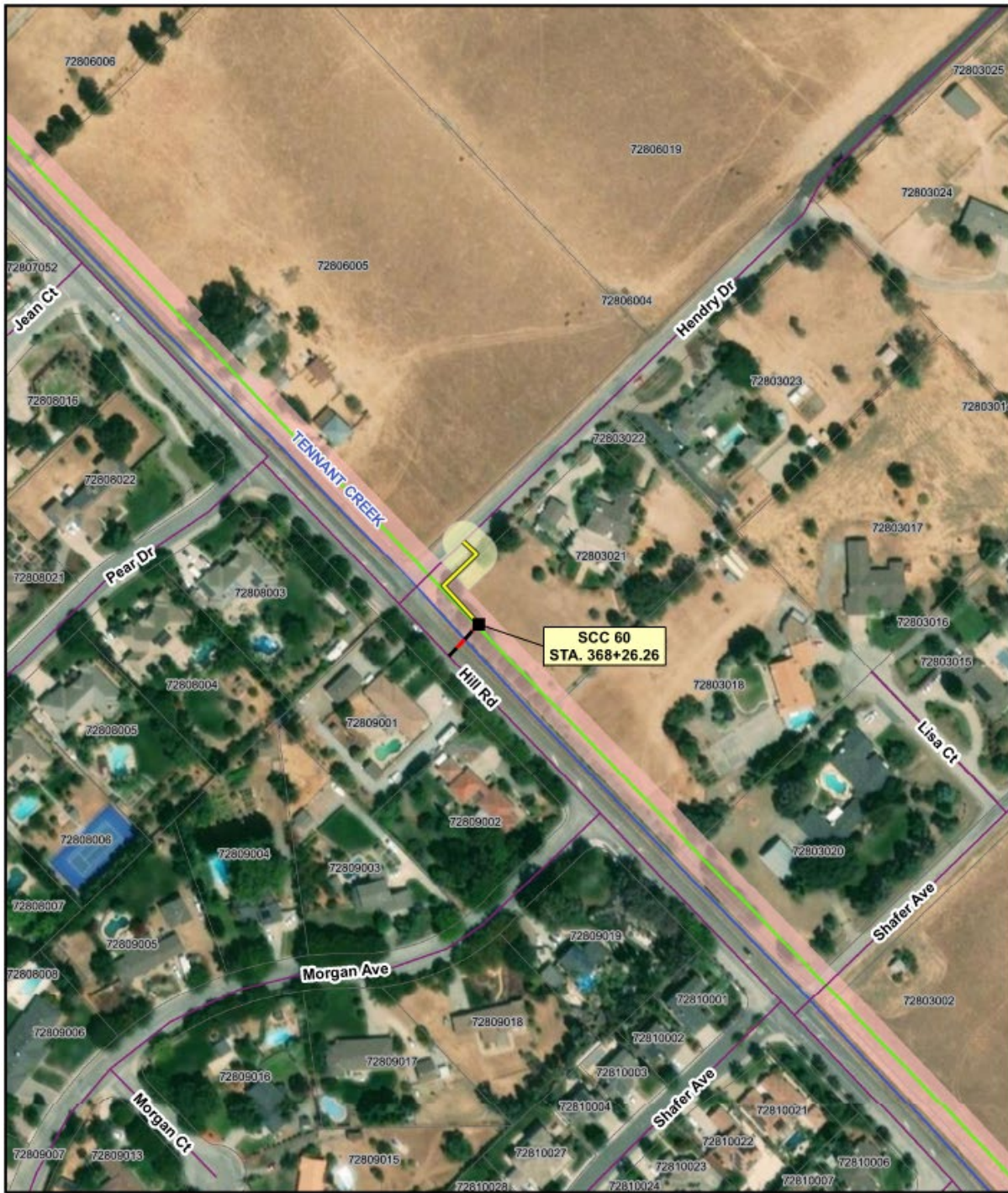
- Existing Route      ■ Pipeline Appurtenance      Proposed Easment      ~ Creek
- Proposed Route      — Raw Water Pipeline      USBR Right of Way



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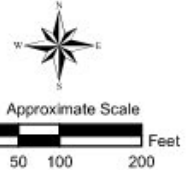
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**Figure 8 – Right of Way acquisition near Santa Clara Conduit vault SCC 57**



**LEGEND**

- Existing Route      ■ Pipeline Appurtenance      □ Proposed Easment      ~ Creek
- Proposed Route      — Raw Water Pipeline      □ USBR Right of Way



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**Figure 9 – Right of Way acquisition near Santa Clara Conduit vault SCC 60**