

Santa Teresa Water Treatment Plant Air Wash Pipeline Replacement Project Project No. 93764004

Engineer's Report



April 2019

Water Utility Capital Division



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SANTA TERESA WATER TREATMENT PLANT AIR WASH PIPELINE REPLACEMENT PROJECT

PROJECT NO. 93764004

ENGINEER'S REPORT

Prepared By:

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Under the Direction of:

Emmanuel Aryee, P.E.
Engineering Unit Manager

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Deputy Operating Officer

Nina Hawk
Chief Operating Officer

Norma Camacho
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



April 2019

DISTRICT BOARD OF DIRECTORS

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**Santa Teresa Water Treatment Plant
Air Wash Pipeline Replacement Project
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1. PROJECT DESCRIPTION

The proposed Project is located at the District's Santa Teresa Water Treatment Plant (STWTP) in San Jose (see Figures 1 for project location). The STWTP was built and placed in service in the late 1980's. An inspection of the air wash pipeline suggested its replacement. The objective of this Project is to extend the useful life and increase the reliability of the STWTP. The proposed Project, once completed, will ensure that the treatment plant can continue to efficiently and reliably provide potable water to water retailers, businesses, and residents within the District's service areas.

The Project will remove and replace 1,550 linear feet of above-ground, 12-inch mortar-lined steel pipe, and will reline 671 linear feet of underground, 12-inch mortar-coated steel pipe at the east and west filter basins and galleries. Staging of this work will be coordinated between the east and west sides of the plant. The plant will be on reduced capacity for the duration of the project construction.

2. ZONE BENEFITS

The proposed Project work will benefit the customers of Zone W-2 (North County).

3. PROJECT RIGHT OF WAY

The proposed Project would be constructed on District property.

4. MAPS AND FIGURES

Figure 1 - Project Location Map

5. PROJECT COSTS

The estimated cost for design and construction of the proposed Project is \$960,000 (in 2019 dollars). The proposed Project would be funded by the Water Enterprise Fund.

6. PROJECT SCHEDULE

- Advertise for construction bids: July 2019
- Award construction contract: September 2019
- Complete construction: April 2020

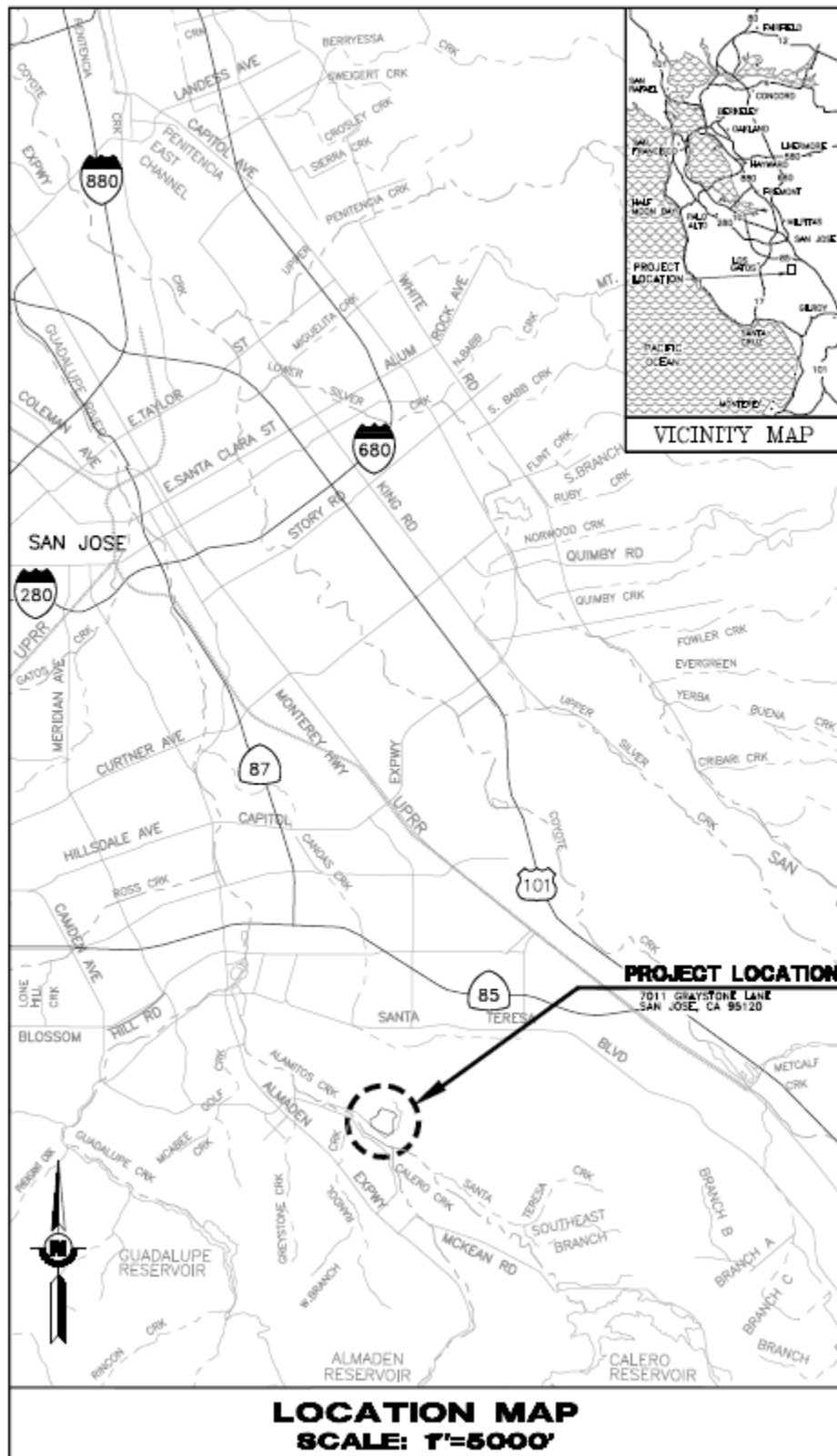


Figure 1 - Project Location Map