2.3 Coast Pump Station Raw Water Pipeline Replacement

Current Status: Post-Construction

Project Need

This Coast Pump Station pipeline supplies raw water from the Coast Pump Station to the Graham Hill Water Treatment Plant where it is treated and supplied to City of Santa Cruz customers. This project replaced a segment of pipeline under the San Lorenzo River that had experienced several leaks in recent years.

Background

The City of Santa Cruz Water Department contracted with Kleinfelder Engineering to design the trenchless micro-tunnel and open-trench installation of this pipeline. The project was bid during February-March of 2020, with construction of the project beginning May of 2020 and finishing in March 2021.

Project Description

This project included installation of approximately 521 feet of 24-inch pipeline, about 221 feet of which was installed through trenchless micro-tunneling methods under the San Lorenzo River. The remaining 300 feet connected the micro-tunneled portion to the existing raw water lines on both sides of the river by open-cut trenching. The project footprint is entirely on City-owned and publicly-owned land, with off-site staging on private property.

Project Benefits

Benefits of this project include:

- Replaced an existing critical pipeline which transfers raw water for treatment and distribution to City of Santa Cruz customers.
- Restored reliability of primary water supply infrastructure.

Escalated Estimate

Construction	$ 5,000,000
Other Costs*	$ 2,140,000
Total Project	$ 7,140,000

* Other costs may include design, engineering services during construction, construction management, construction contingency, environmental, permitting, legal, land transaction, city administration, and program management costs.

Potential Funding Source

Bonds and Pay as you go

Current Schedule Start-Finish Dates

Planning	Design	Construction	Post Construction
N/A	SEP 2018 NOV 2019	MAR 2020 MAR 2021	MAR 2021 MAR 2022

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