



STAFF REPORT

Meeting Type: Operations Committee/Board of Directors
Title: Capital Improvement Program - 2024 Tiburon Pipeline Replacement Project (D23018)
From: Alex Anaya, Director of Engineering
Through: Ben Horenstein, General Manager
Meeting Date: May 17, 2024

AA *BH*

TYPE OF ACTION: Action Information X Review and Refer

RECOMMENDATION: Review and refer to a future regularly scheduled Board meeting for contract award for the 2024 Tiburon Pipeline Replacement Project (D23018)

SUMMARY: The 2024 Tiburon Pipeline Replacement Project will install approximately 3,490 feet of new pipe to replace old, leak-prone pipe in the Town of Tiburon. District Staff will make a recommendation for the contract award at a future regularly scheduled Board meeting.

DISCUSSION: The 2024 Tiburon Pipeline Replacement Project (Project) is a component of both the District’s Capital Improvement Program and Fire Flow Improvement Program. This Project will install approximately 3,490 feet of 8-inch, 6-inch, and 4-inch welded steel pipe to replace old, leak-prone cast iron pipe installed as early as 1922.

The Project will be constructed in coordination with the Town of Tiburon’s upcoming full depth road restoration project. The Town’s project will grind the street down to a depth of 18 inches prior to resurfacing to the existing grade. The District’s existing water main within the Town’s project limits is shallow buried with approximately 20 inches of cover. By replacing this section of the existing cast iron pipe with new welded steel pipe at a depth of 36 inches, the District will ensure the pipe is not damaged during the Town’s road reconstruction process. This will result in a new reliable and seismically resilient section of distribution main along this section of Paradise Drive. Under the terms of this coordination effort, the Town will waive the requirements for the District to perform the full width road resurfacing requirements along Paradise Drive.

The limits of the Town’s paving project and the District pipeline Project will overlap with a portion of the District’s Fire Flow Improvement Program. Approximately 23% of the Tiburon Pipeline Replacement Project is within one of the identified Fire Flow Improvement Program pipeline replacement project areas. See the Project Budget for a breakdown of estimated cost.

The Project will take place in the locations described in Table 1 and shown on the map provided in Attachment 1.

Table 1
Pipeline Replacement Locations

Street	Length (ft)	Installation Date	Existing Size & Type
Mar West Street	77	1981	8" WSP
Paradise Drive	3413	1922	6" CIP

These street segments were evaluated for the installation of recycled water piping. The nearest existing recycled water pipeline is approximately 12.8 miles away located on the intersection of San Pedro Road and Sequoia Road in the community of Los Ranchitos in San Rafael, CA. The closest waste water treatment plant, Tiburon Sanitary District 5, is located approximately 20 feet away, however, this facility is not equipped to provide tertiary recycle water.

Summaries of the estimated Project’s cost and Schedule are provided below:

Budget:

	<u>Capital Improvement Program</u>	<u>Fire Flow Program</u>	<u>Total</u>
Engineer’s Estimate:	\$1,663,200	\$496,800	\$2,160,000
Contingency (10%):	\$166,320	\$49,680	\$216,000
Materials/Prof. Fees	\$249,480	\$74,520	\$324,000
District Labor/Inspection:	\$182,952	\$54,648	\$237,600
Total Budget:	\$2,261,952 (77%)	\$675,648 (23%)	\$2,937,600 (100%)
Budget Category:	A1A02A	A2A	

Project Implementation:

Project Advertisement:	May 2, 2024
Bid Opening:	May 16, 2024
Project Award:	June 4, 2024
Estimated Completion Date:	December 6, 2024
Duration:	185 days

ENVIRONMENTAL REVIEW: The Director of Engineering has found that the Project is Categorically Exempt pursuant to California Environmental Quality Act (CEQA) Guidelines Section 15302 (c), Replacement of Reconstruction and statutorily exempt under 21080.21 Pipelines less than one mile. The Project qualifies for exempt pursuant to Section 15302 (c) inasmuch as it is the replacement of existing water pipeline involving negligible or no expansion of capacity and statutorily exempt pursuant to Section 21080.21 since this pipeline replaces less than one mile of pipe.

FISCAL IMPACT: The total cost to complete the 2024 Tiburon Pipeline Replacement Project is estimated at \$2,937,600. Approximately 23% of the pipeline Project will be funded by Fire Flow Improvement Program and 77% will be funded by Capital Improvement Program Project. Funding for the Project will be broken out by the appropriate fund centers.

ATTACHMENT(S):

1. Site Map