



# STAFF REPORT

**Meeting Type:** Operations Committee/Board of Directors  
**Title:** Fire Flow Improvement Program – Rock Ridge Pipeline Replacement Project (F22001)  
**From:** Alex Anaya, Director of Engineering  
**Through:** Ben Horenstein, General Manager  
**Meeting Date:** July 19, 2024

**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 Fire Flow Improvement Program – Rock Ridge Pipeline Replacement Project

**SUMMARY:** The Fire Flow Improvement Program – Rock Ridge Pipeline Replacement Project will install approximately 7,560 feet of new pipe in the Town of Fairfax and unincorporated Marin County. On August 6, 2024, the District will open construction bids for the Project. District staff will make a recommendation for contract award at a future regularly scheduled Board meeting.

**DISCUSSION:** The Rock Ridge Replacement Project is a component of the District’s Fire Flow Improvement Program. This Project will install approximately 7,560 feet of new 8” and 6” welded steel and polyvinyl chlorine (PVC) pipe to replace the old, leak prone, fire flow deficient piping installed as early as 1934.

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	INSTALLATION DATE	EXISTING SIZE & TYPE
Oak Manor Drive	900 ft	1954	4” CIP, 8” CIP
Von Court	565 ft	1956	4” CIP
Steven Court	580 ft	1954	4” CIP
Gregory Drive	775 ft	1951	4” CIP
Cynthia Court	280 ft	1952	4” CIP
Scenic Rd	1200 ft	1978	2” GTP, 6” WSP
Rockridge Road	1305 ft	1934	4” CIP

Muriel Place	555 ft	1959	4" CIP
San Miguel Court	525 ft	1952	4" CIP
Arcangel Court	700 ft	1952	4" CIP
Hillside Drive	175 ft	1958	6" WSP

\* Galvanized Threaded Pipe, \*\*CIP = Cast Iron Pipe

These street segments were evaluated for the installation of recycled water piping. The nearest existing recycled water pipeline is approximately 6.3 miles away located on intersection of San Pedro Road and Sequoia Road in the community of Los Ranchitos. The closest waste water treatment plant, Central Marin Sanitary Treatment Plant, is located approximately 6.8 miles away in San Rafael. However, their facilities are not equipped to provide tertiary recycled water.

Summaries of the estimated Project costs and schedule are provided below.

**Budget:**

Engineer’s Estimate: \$ 3,000,000  
Contingency (10%): \$ 300,000  
Materials and Professional Fees: \$ 500,000  
District Labor/Inspection: \$ 300,000  
Total Budget: \$ 4,100,000  
Budget Category: A2A

**Project Implementation:**

Project Advertisement: July 23, 2024  
Bid Opening: August 6, 2024  
Project Award: August 20, 2024  
Estimated Completion Date: May 4, 2025  
Duration: 257 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 or Reconstruction. The Project qualifies for exemption pursuant to Section 15302(c) inasmuch as it is the replacement of existing water pipeline involving negligible or no expansion of capacity.

**FISCAL IMPACT:** The total cost to complete the Fire Flow Improvement Program - Rock Ridge Pipeline Replacement Project is estimated at \$4,100,000, inclusive of District Labor, materials and contingencies. Funding for this project is included in the Adopted 2 Year Capital improvement Budget (FY 2023-25) and will be funded by the Fire Flow Program.

**ATTACHMENT(S):**

1. Site Map