

TITLE: Town-wide Waterline Improvements and Repairs (20505)

STATUS: New

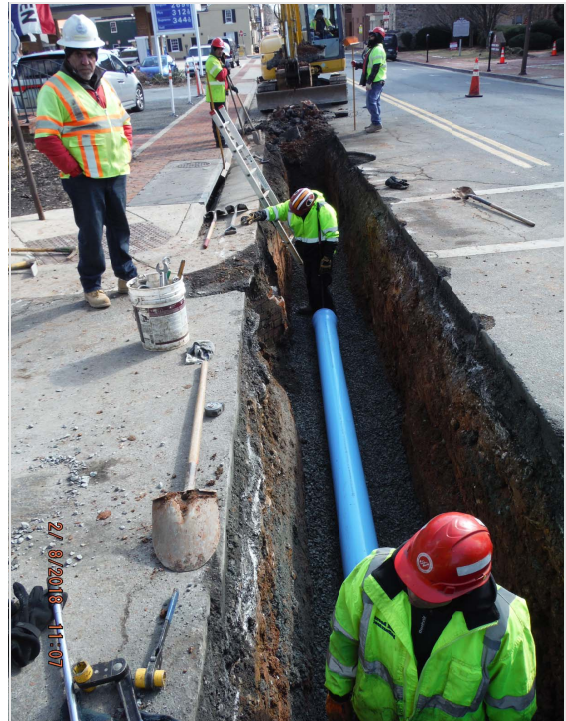
PROGRAM DESCRIPTION: This project undertakes on-going replacement and upgrades to old deteriorated waterlines associated with waterline capacity improvements and other capital projects. The table on the next page provides a listing of the projects, design and/or construction costs and proposed scheduling.

In previous Capital Improvements Programs, project number 06401 – Miscellaneous Waterline & Sanitary Sewer Improvements, Repairs and I&I Mitigation included replacement and upgrades to both waterlines and sanitary sewer lines. Beginning in the FY 2020-25 Capital Improvements Program, project 06401 has been separated into two new CIP projects (20506 and 20505) – one for each of the two systems.

OPERATING IMPACT: Maintenance and treatment costs should be reduced due to the improved structural integrity of the waterlines. New waterline loops improve water flow rates and add to the reliability of the water distribution systems.

GOAL ADDRESSED: 2012 Town Plan

- Community Facilities and Services Objectives 5 and 6 call for providing adequate water supply to meet state and federal criteria.



Significant Dates

UTILITY RELOCATION START	CONSTRUCTION START	ESTIMATED COMPLETION
N/A	Ongoing	Ongoing

Funding Sources

Sources	Total Required Project Funding	Funded through 6/30/19							Total for 6 Yr CIP	Future Funds Required
			2020	2021	2022	2023	2024	2025		
Utilities Bonds	\$ 5,799,895	—	\$ 1,134,000	\$ 1,118,700	\$ 1,000,505	\$ 508,310	\$ 545,545	\$ 736,835	\$ 5,043,895	\$ 756,000
PAY-GO Utilities	4,745,605	—	927,600	915,300	818,595	415,890	446,355	602,865	4,126,605	619,000
Total Sources	\$ 10,545,500	—	\$ 2,061,600	\$ 2,034,000	\$ 1,819,100	\$ 924,200	\$ 991,900	\$ 1,339,700	\$ 9,170,500	\$ 1,375,000

Planned Uses

Uses	Total Project Cost	Expended through 6/30/19							Total for 6 Yr CIP	Future Project Cost
			2020	2021	2022	2023	2024	2025		
Project Management	\$ 528,000	—	\$ 81,600	\$ 84,000	\$ 86,600	\$ 89,200	\$ 91,900	\$ 94,700	\$ 528,000	—
Design/Engineering	1,001,750	—	198,000	195,000	173,250	83,500	90,000	124,500	864,250	137,500
Construction	9,015,750	—	1,782,000	1,755,000	1,559,250	751,500	810,000	1,120,500	7,778,250	1,237,500
Total Uses	\$ 10,545,500	—	\$ 2,061,600	\$ 2,034,000	\$ 1,819,100	\$ 924,200	\$ 991,900	\$ 1,339,700	\$ 9,170,500	\$ 1,375,000

Operating Impact

Operating/Maintenance	2020	2021	2022	2023	2024	2025	Total for 6 Yr CIP
N/A	—	—	—	—	—	—	—
Total Impact	—	—	—	—	—	—	—

Utilities

Capital Improvements Program

Description	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
WATER						
Cornwall St NW from Memorial Dr NW to Liberty St NW	\$ 650,000	\$ —	\$ —	\$ —	\$ —	\$ —
Cornwall St NW from Liberty St NW to N King St	930,000	675,000	—	—	—	—
The Fields at Leesburg (Loudoun House) Service Lines Replacement	400,000	—	—	—	—	—
Hancock Pl NE Service Lines Replacement	—	990,000	—	—	—	—
E Market St from Loudoun St SE to Harrison St SE	—	285,000	500,000	—	—	—
Old Waterford Rd NW from Morven Park Rd NW to VFW Post 1177	—	—	400,000	—	—	—
Wage Drive SW Service Line Transfers	—	—	600,000	—	—	—
South St SE at Harrison St SE and Church St SE	—	—	232,500	—	—	—
Royal St SW from S King St to Liberty St SW	—	—	—	835,000	765,000	—
Edwards Ferry Rd NE from Mayfair Dr NE to Heritage Wy NE	—	—	—	—	—	650,000
S King St from South St SW to Loudoun St SE	—	—	—	—	135,000	595,000
Project Management	81,600	84,000	86,600	89,200	91,900	94,700
Total Cost	\$ 2,061,000	\$ 2,034,000	\$ 1,819,100	\$ 924,200	\$ 991,900	\$ 1,339,700

Utilities