

Route 1 Water Main Replacement, CIP WAT-181 & WAT-182
Project Summary

Project Description

This project consists of the replacement of existing small-diameter water mains with a large water main along Route 1. The construction will start near the intersection of Route 1 and Neabsco Road (Garfield Booster Station) and will continue south toward Fuller Heights Road in the Old Triangle Road area.

Purpose of the Project:

The purpose of this project is to increase the volume of water transmitted from the Garfield Booster Station to southern portions of the Dumfries area in order to improve system reliability and meet customer water demand.

Scope of Work

All aspects of this work require excavation. The construction consists of:

- Installation of approximately 13,400 linear feet of 30-inch ductile iron water mains;
- Installation of approximately 8,900 linear feet of 24-inch ductile iron water mains;
- Installation of approximately 5,500 linear feet of 16-inch ductile iron water mains;
- Installation of approximately 3,700 linear feet of 12-inch ductile iron water mains;
- Installation of approximately 1,300 linear feet of 10-inch to 4-inch connection of ductile iron water mains;
- Installation of associated valves, reducers, bends, tees and other appurtenances;
- Installation of 27 fire hydrant assemblies;
- Replacement of several service lines and meters crocks along Old Triangle Road; and
- Interconnections with existing waterline.

Project Duration:

The construction is scheduled to begin early 2021 and be completed by spring 2023.

Project Cost: \$22,978,000

Engineer of Record: Andrew MacNeill, PE, CPSM
Michael Baker International, Inc.

Project Manager: Alex Silver
Prince William County Service Authority
703-393-4481

Service Authority Commitments:

- To restore property affected by SA construction to original or better condition
- To maintain road access at all times

Website: <https://www.pwcsa.org/rt1-water-main>
email: Rt1WaterMain@pwcsa.org

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- To maintain emergency services, trash, mail, and other services
- To continuously update website concerning project status
- To respond quickly to property owners' concerns
- To maintain daily clean-up activities (to be performed by Contractor)
- To have a Service Authority Inspector and/or Project Representative on site (daily and as necessary).