

### **Project Description**

This project consists of replacing the 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:**

This project aims to increase the volume of water transmitted from the Garfield Booster Station to the southern portions of the Dumfries area, improving system reliability and meeting 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 2024.

**Project Cost:** \$22,978,000

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

**Project Manager:** Alex Silver  
Prince William Water  
703-393-4481

### **Prince William Water Commitments:**

- To restore property affected by Prince William Water construction to original or better condition

Website: <https://www.pwcsa.org/rt1-water-main>  
email: [Rt1WaterMain@pwcsa.org](mailto:Rt1WaterMain@pwcsa.org)

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

Project Summary

Last Updated: 07/01/2024

- To maintain road access at all times
- 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 Prince William Water Inspector and/or Project Representative on site (daily and as necessary).

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