

# Service Authority Capital Projects

Potomac District Town Hall  
Supervisor Andrea Bailey  
April 22, 2021

**SA Team:**

**Kathy Bentz,**  
Communications Division Deputy Director

**Elena Herrera, P.E.**  
Project Manager

**David R. Scott, PhD, PMP**  
Project Manager

**Alex Silver,**  
Project Manager

**Debbie Maxwell, P.E., CCM**  
Capital Projects Manager



**Service Authority**  
Exceptional Water Service

# Agenda

- Introductions
- Project Overviews
- Dumfries Force Main
- Route 1 Water Main
- Montclair/Four Seasons
- Montclair Pressure Zone
- Service Authority Commitments
- Q&A

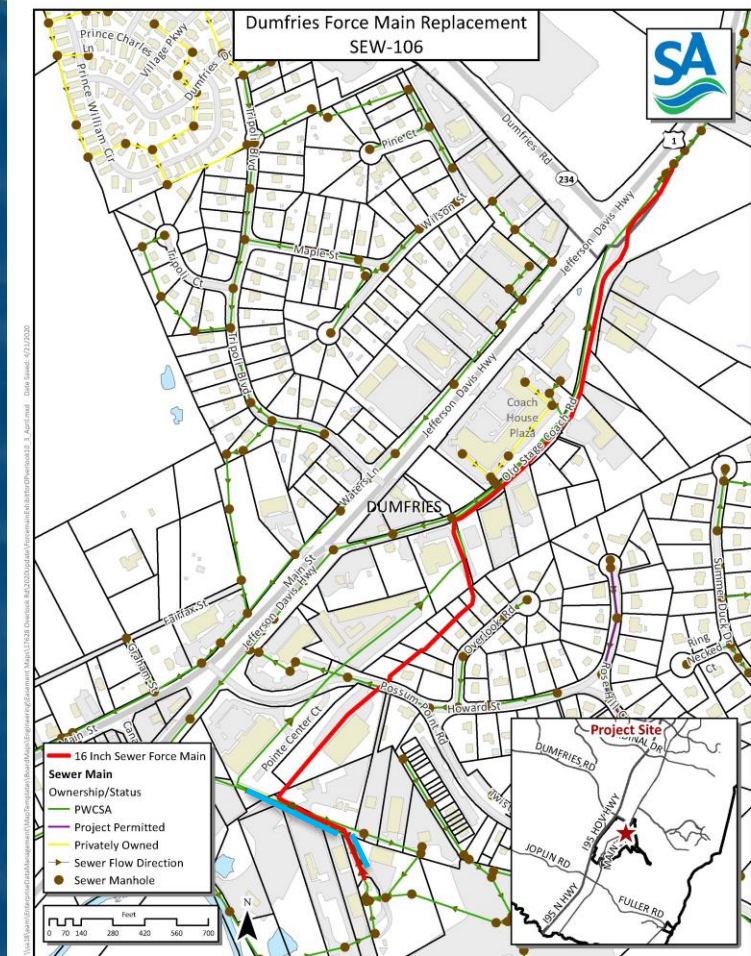


# Dumfries Force Main & Route 1 Water Main Team

- Service Authority Project Manager
  - M. Elena Herrera, P.E.
- Engineer of Record
  - Pasquale Arcese, P.E. – Michael Baker International, Inc.
- Construction Administration Services
  - Tim DiLiscia, CCM – RK&K, LLC
  - Kathy Marshal, P.E., CCM – RK&K, LLC
- Contractor
  - Mark Oetjen – Project Manager for Utilities Unlimited, LLC
  - Jenna Burum – Public Liaison for Utilities Unlimited, LLC

# Dumfries Force Main Replacement

- Install 4,200 feet of 16-inch PVC pressurized sewer main (force main)
- Install 600 feet of 6-inch water main
- Construction between Dumfries Sewage Pumping Station and Route 234
- The new force main will improve system reliability and reduce maintenance and repair costs
- Construction Schedule:
  - February 2022 - February 2023



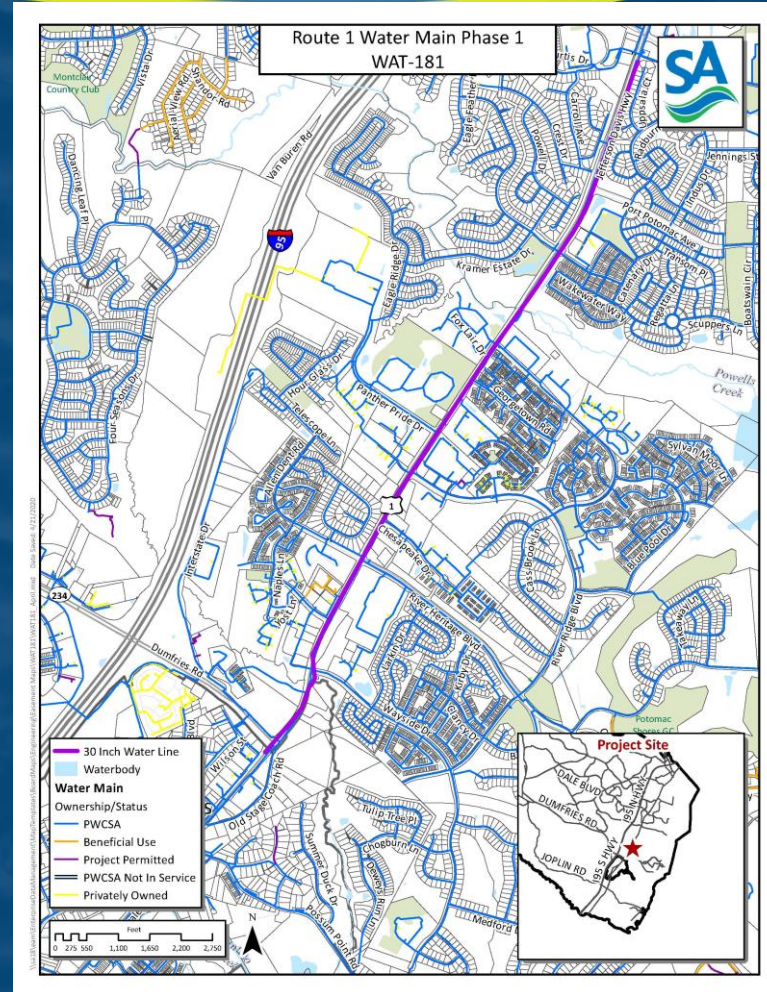
# Dumfries Force Main Customer Impacts

- Property Rights Agreements achieved with commercial and residential property owners along the project corridor
- Agreement completed between Dominion Energy Virginia and Service Authority for the alignment
- Primarily day-time construction with exception of two commercial parcels



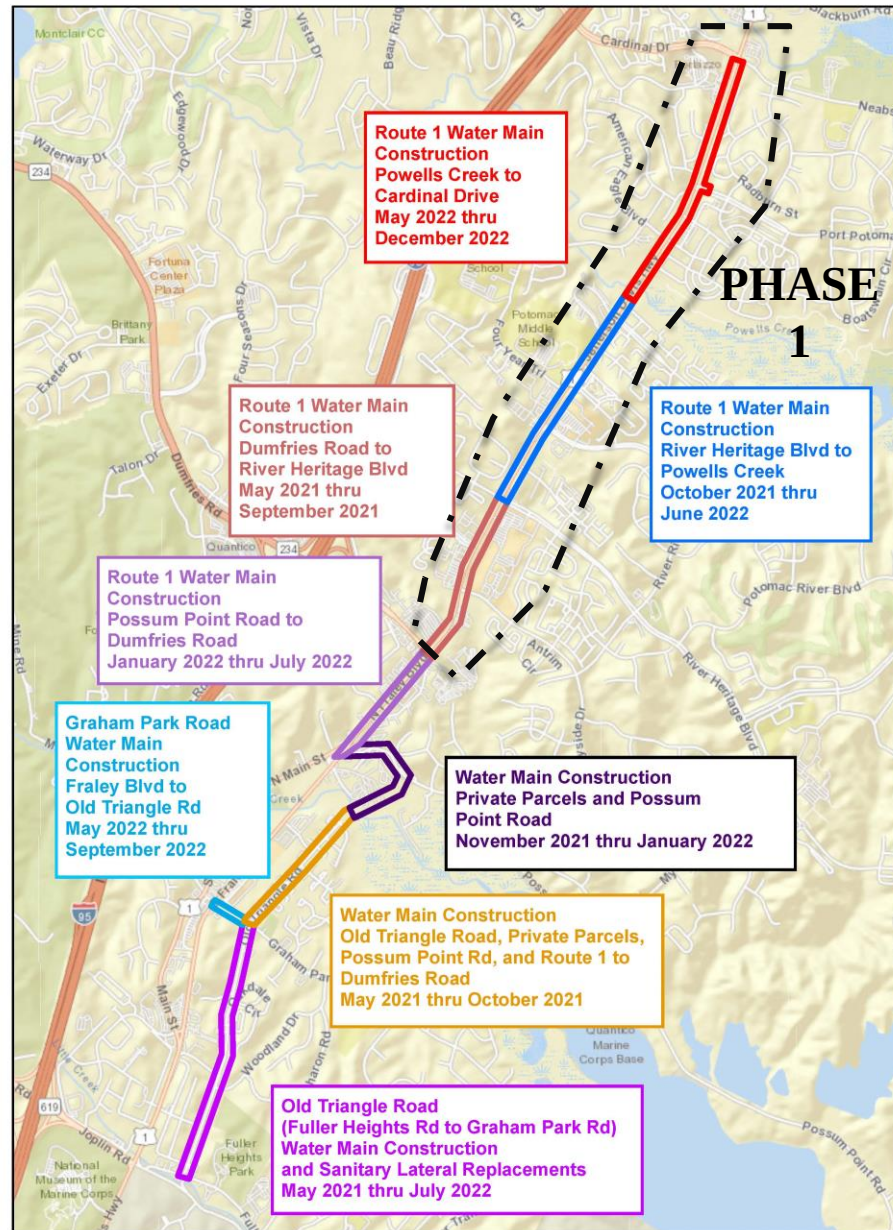
# Route 1 Water Main, Phase 1

- Install 13,500 feet of 30-inch and 1,920 feet of 6-inch ductile iron pipe water mains
- Construction between Route 1 at Neabsco Road and Route 1 at Route 234
- Increase transmission along the project corridor
- Improve system reliability and meet customer water demand
- Construction Schedule:
  - May 2021 - December 2022



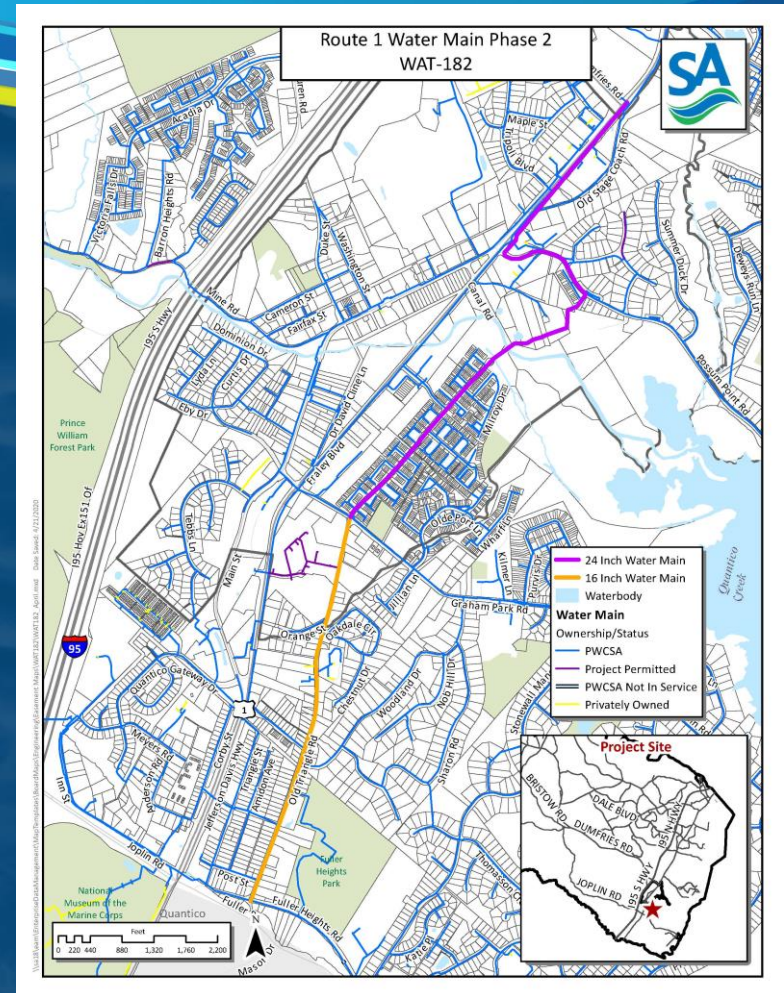
# Route 1, Phase 1 Customer Impacts

- ◆ Property Rights Agreements (easements) with affected commercial properties
- ◆ No direct impact to residential customers,
- ◆ Construction primarily along Route 1 corridor in VDOT Right-of Way:
  - ◆ Lane closures involved
  - ◆ Limit impacts through traffic control and night work
  - ◆ Signage boards & notifications
- ◆ Notification before any service interruptions



# Route 1 Water Main, Phase 2

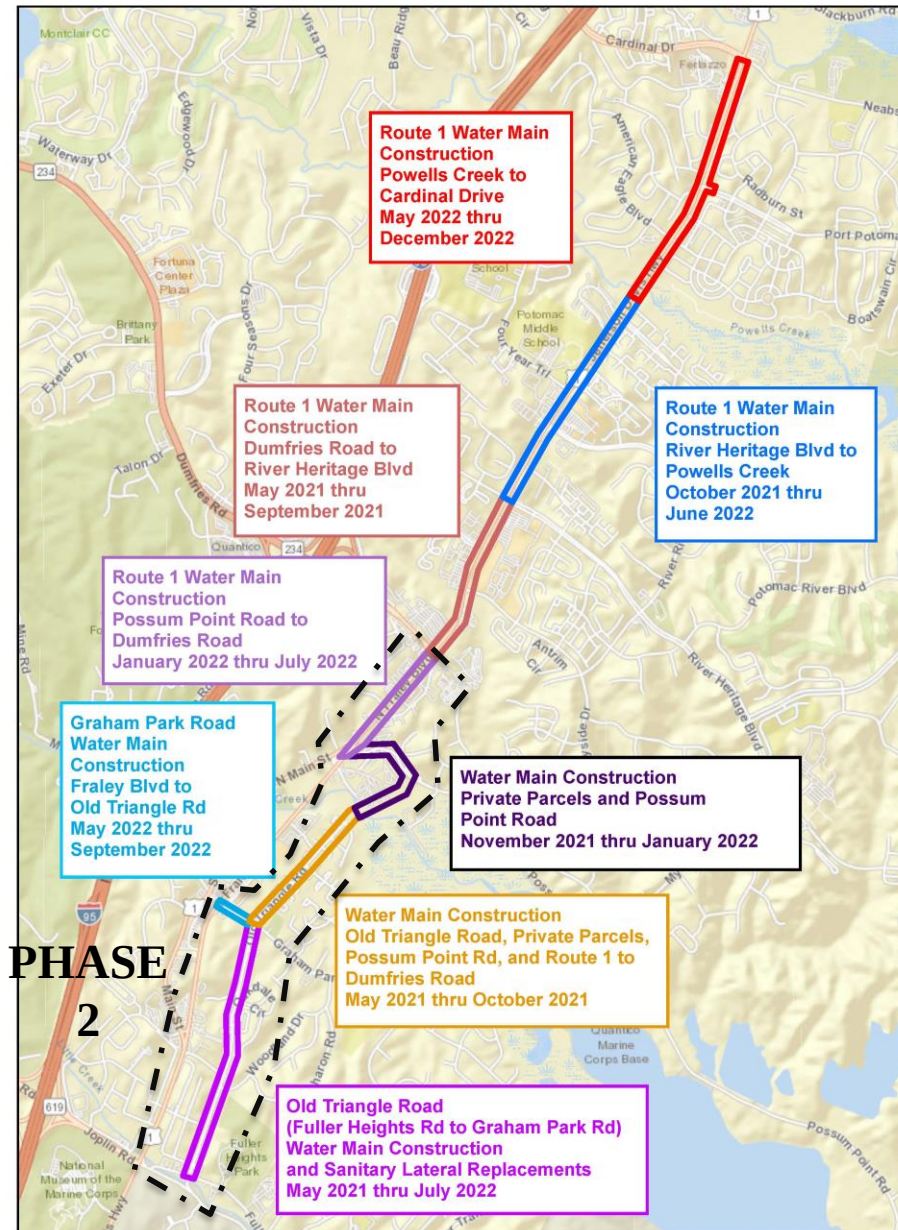
- Install 8,750 feet of 24-inch, 5,500 feet of 16-inch and 3,350 feet of 6-inch ductile iron pipe water mains
- The new water mains will:
  - Increase water transmission from Route 234 to Fuller Heights Road
  - Improve system reliability
  - Meet customer water demand
  - Replace aging distribution system in the Dumfries / Triangle Area
- Construction Schedule:
  - May 2021 - July 2022



# Route 1, Phase 2 Customer Impacts

- ◆ Direct impact to residential customers along Old Triangle Road (yellow box)
- ◆ Property Rights Agreements (easements) with affected commercial properties and HOAs
- ◆ Work primarily within VDOT Right-of-Way and Town of Dumfries Right-of-Way
  - ◆ Traffic impact, lane closures, night work
- ◆ Mostly daytime work
- ◆ Nighttime work per agreement with some commercial properties and on Route 1





**PHASE  
2**

# Information Resources

## **Route 1 Water Main**

Web Page: <https://www.pwcsa.org/rt1-water-main>

Email: [Rt1WaterMain@pwcsa.org](mailto:Rt1WaterMain@pwcsa.org)

## **Dumfries Force Main**

Web Page: <https://www.pwcsa.org/dumfries-force-main>

Email: [DumfriesForceMain@pwcsa.org](mailto:DumfriesForceMain@pwcsa.org)

# Montclair/Four Seasons Water System Improvements

- ◆ Service Authority Project Manager
  - ◆ David R. Scott, PhD, PMP
- ◆ Program Management Consultant
  - ◆ Chris Remme – Arcadis
- ◆ Design-Builder
  - ◆ ACE/KCI

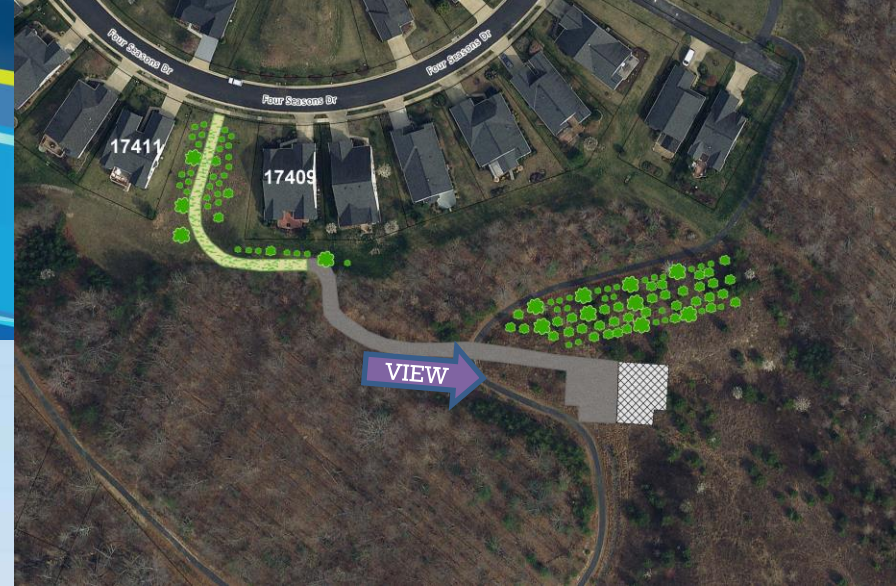
# Montclair/Four Seasons Site Layout



# Montclair/Four Seasons Site Layout



# Architectural Rendering



Montclair/Four Seasons Booster Pumping Station

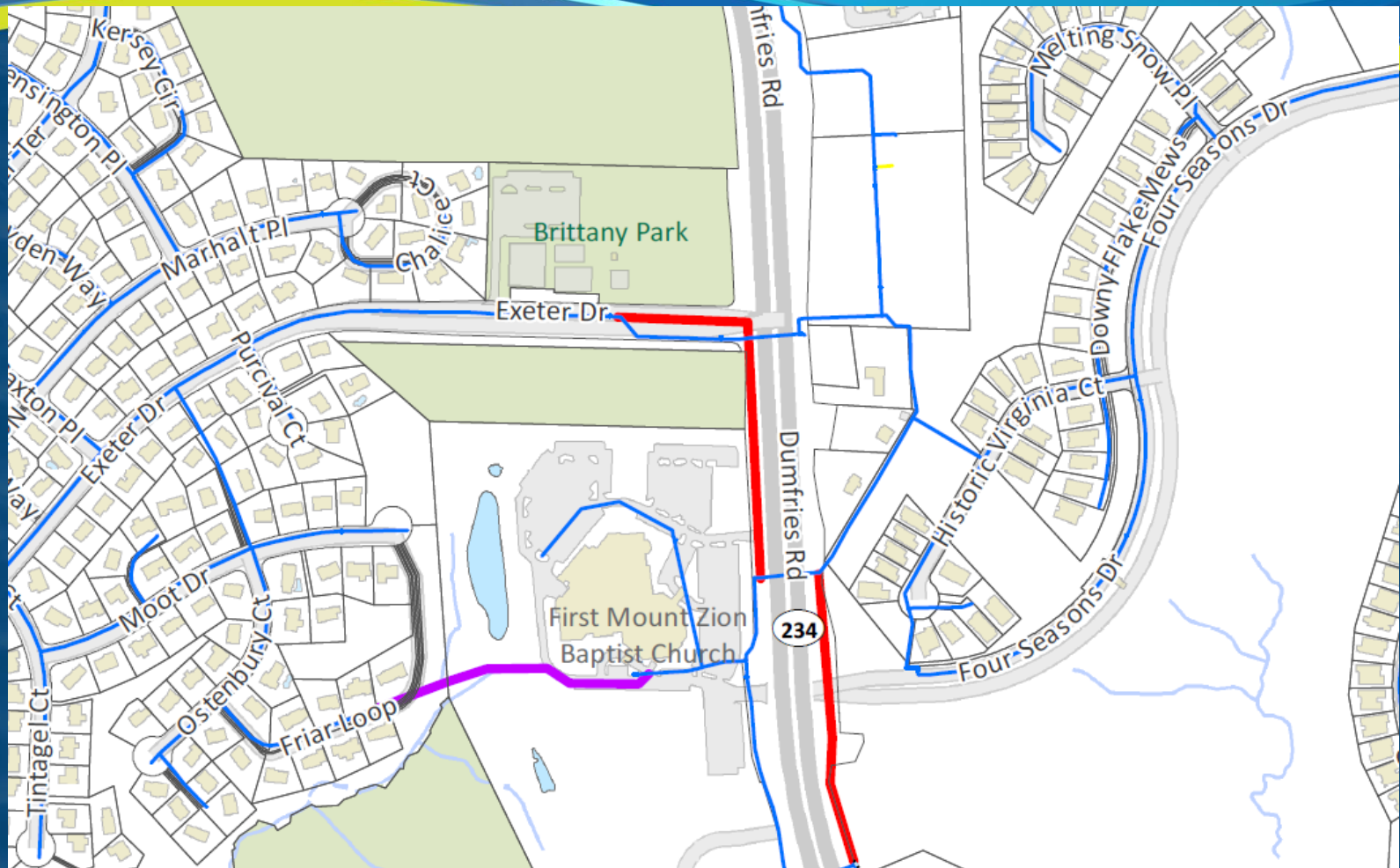
# Montclair/Four Seasons Water System Improvements

- Preliminary Stage Design
  - Summer 2020 - Spring 2021
- Final Design and Construction
  - Fall 2021 - Spring 2023
- Project email:
  - Montclair\_DB@pwcsa.org
- Project web page:
  - [www.pwcsa.org/montclair-db-project](http://www.pwcsa.org/montclair-db-project)

# Montclair Pressure Zone Project

- Service Authority Project Manager
  - Alex Silver
- Designer
  - The Engineering Groupe, Inc.
- Contractor
  - A&M Concrete Corporation

# Montclair Pressure Zone Overview



# Service Authority Commitments

- ◆ Restore property affected by SA construction to original or better condition
- ◆ Maintain road access at all times
- ◆ Maintain access to emergency services, trash, mail, etc.
- ◆ Continuously communicate and work with the community concerning project status
- ◆ Respond quickly to residents' concerns
- ◆ Work with the community to define parking and access constraints
- ◆ Require daily clean-up by the Contractor
- ◆ Service Authority Inspector on site daily and as necessary



# Project Information Resources

## 💧 Route 1 Water Main

- 💧 Web Page: <https://www.pwcsa.org/rt1-water-main>
- 💧 Email: Rt1WaterMain@pwcsa.org

## 💧 Dumfries Force Main

- 💧 Web Page: <https://www.pwcsa.org/dumfries-force-main>
- 💧 Email: DumfriesForceMain@pwcsa.org

## 💧 Montclair/Four Seasons Project

- 💧 Web page: [www.pwcsa.org/montclair-db-project](http://www.pwcsa.org/montclair-db-project)
- 💧 Email: Montclair\_DB@pwcsa.org

# Questions



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