



# Sligo Creek Water Main Rehabilitation Lining

Project No. BI5589C13

April 6, 2023

# Agenda

- Introduction to Project Team
- WSSC Water Overview
- Project Overview
- Project Map
- Estimated Construction Schedule
- What to Expect During Construction
- Questions & Answers

# Project Team



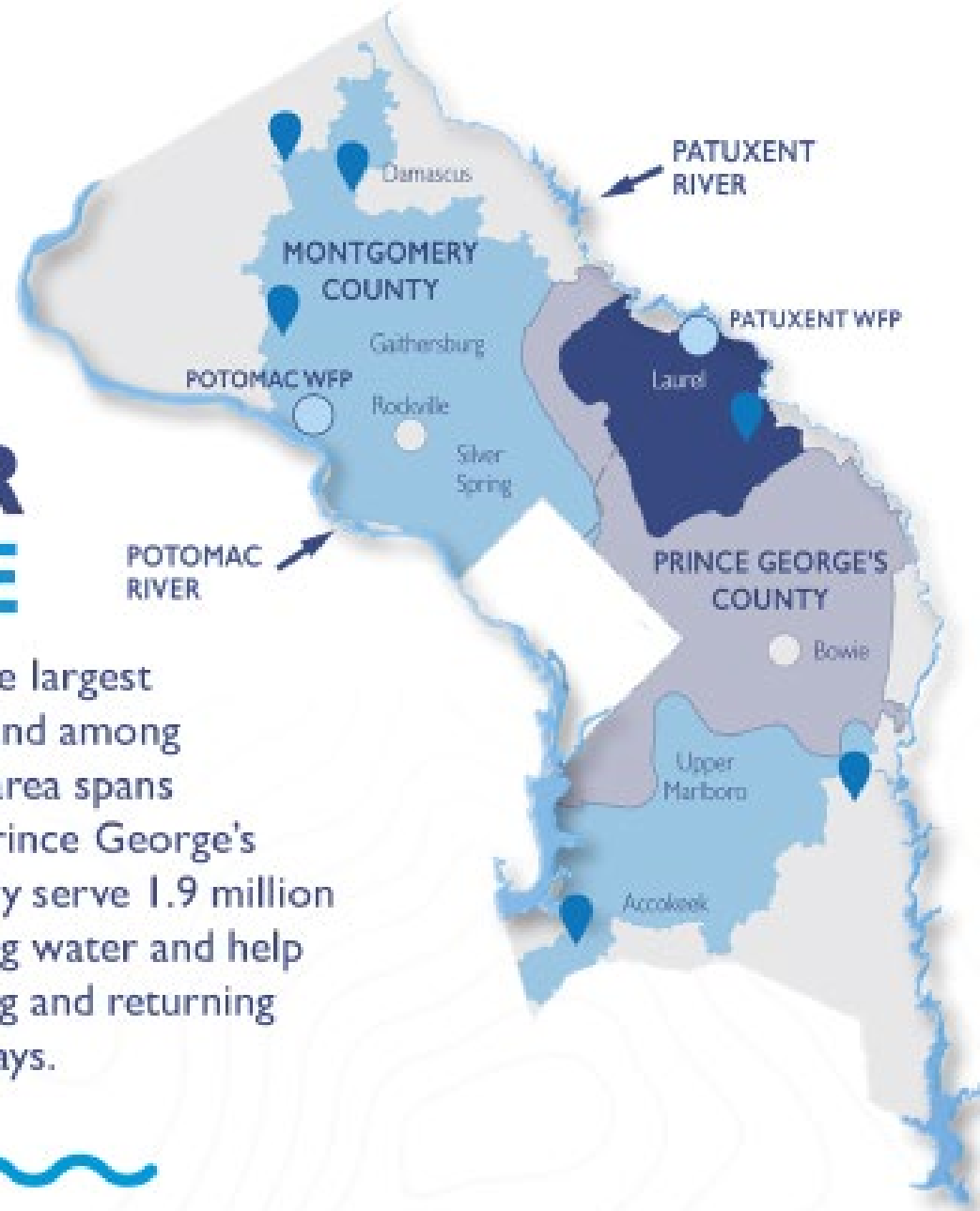
- Tesfai Giorgis, Design Project Manager  
301-206-4022, [Tesfai.Giorgis@wsscwater.com](mailto:Tesfai.Giorgis@wsscwater.com)
- Kevin Lethbridge, Construction Manager  
301-206-7339, [Kevin.Lethbridge@wsscwater.com](mailto:Kevin.Lethbridge@wsscwater.com)
- Thomas Johnson II, Project Outreach Manager  
301-206-8542, [Thomas.Johnson@wsscwater.com](mailto:Thomas.Johnson@wsscwater.com)
- John Sievers, WSSC Urban Forester  
301-206-8074, [John.Sievers@wsscwater.com](mailto:John.Sievers@wsscwater.com)
- Wallace Montgomery & Associates, Engineering Design Consultants
- Construction Contractor, Company Name - TBD

**105** years & counting  
No drinking water quality violations... ever!



# WSSC WATER AT A GLANCE

Established in 1918, WSSC Water is the largest water/wastewater utility in Maryland and among the largest in the nation. Our service area spans approximately 1,000 square miles in Prince George's and Montgomery counties. We proudly serve 1.9 million residents with safe and reliable drinking water and help protect the Chesapeake Bay by treating and returning clean water back to Maryland waterways.



# WSSC Water Overview



**162,000,000** GALLONS OF WATER PER DAY  
DELIVERED TO **1.9 MILLION** RESIDENTS

**3** RESERVOIRS

**2** WATER FILTRATION PLANTS

**60** WATER TANKS

**55** PUMPING STATIONS

**6** WATER RESOURCE RECOVERY FACILITIES

**1,630** EMPLOYEES

Our drinking water system spans  
**5,800+** miles

Our wastewater system spans  
**5,600+** miles

**500,000** WATER QUALITY TESTS PER YEAR

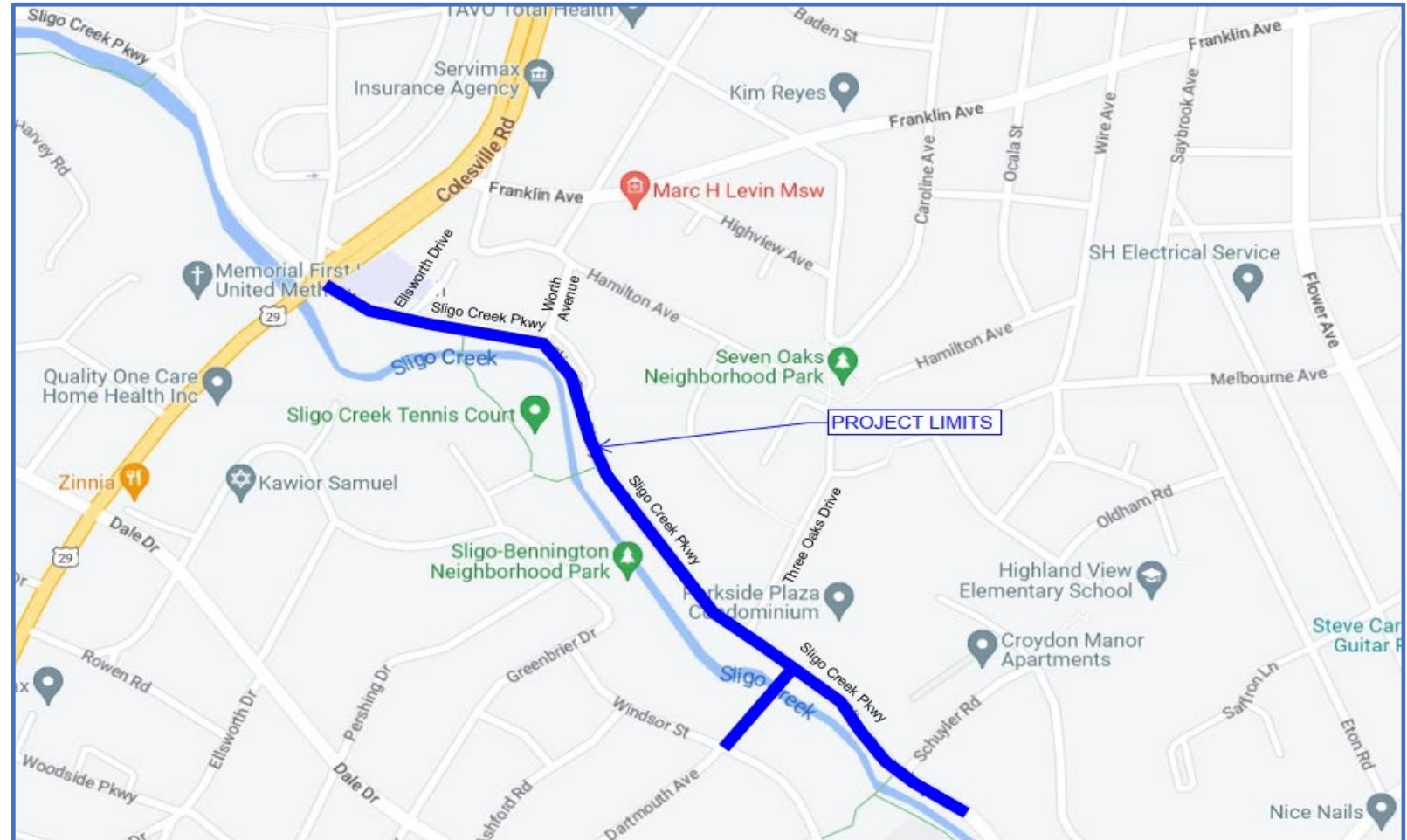
**504,800** METERS IN OUR SYSTEM

**2.25** MILLION METER READS PER YEAR

# Project Map

## Impacted Streets

- Colesville Road (US 29) at Sligo Creek Parkway
- Sligo Creek Parkway
- Windsor Street & Dartmouth Avenue Intersection
- Schuyler Road

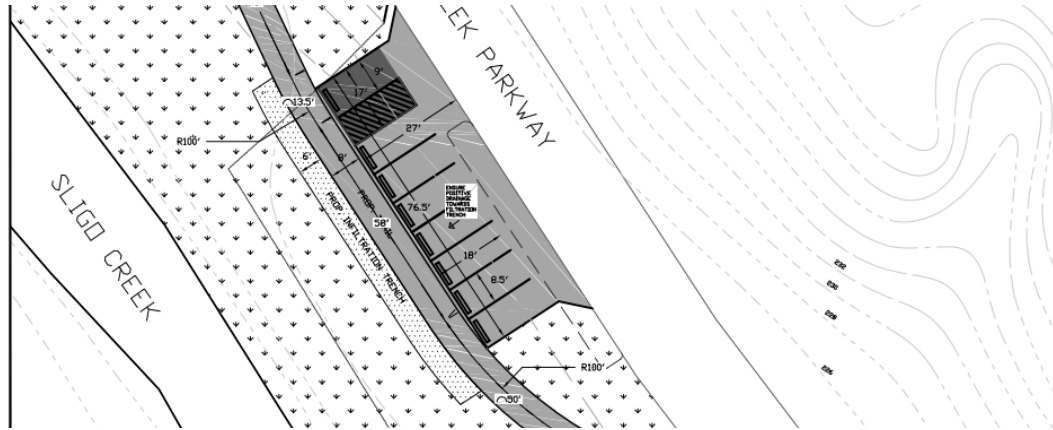


# Project Overview



- Existing 24” PCCP water transmission line runs parallel to Sligo Creek Parkway and Sligo Creek
- Pipeline is located between road and creek, generally near shared use trail
- Also a 12” cast iron main under Sligo Creek that connects to Windsor St. at Dartmouth Ave.

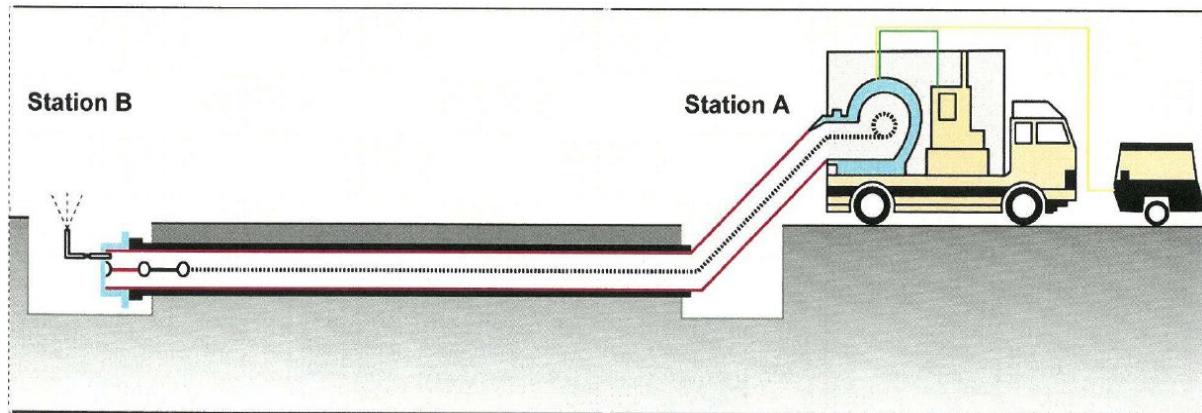
# Proposed Site Mitigation



- As a condition of the MNCPPC Park Permit, WSSC will rehabilitate Parking Lot No. 3 near Three Oaks Drive
  - Remove excess pavement, reconfigure parking lot, and resurface asphalt pavement
  - Rehabilitated parking lot will look like others in park
- Reduces stormwater runoff
- Improves water quality in Sligo Creek



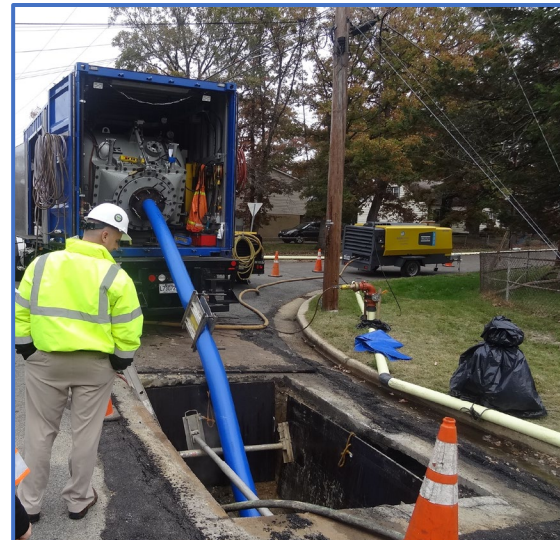
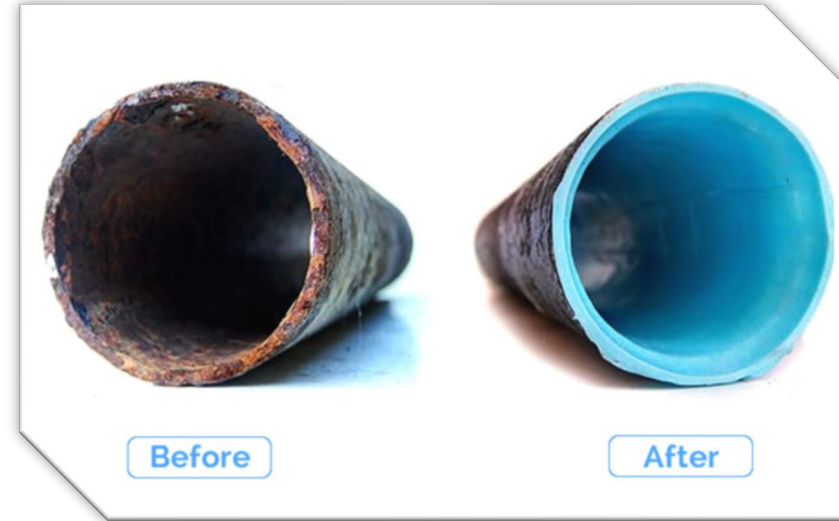
# Project Overview, Cont'd



- Existing 24” water transmission main and 12” water distribution main will be rehabilitated by structural Cured-in-Place-Pipe (CIPP) lining
- **Work Is Mostly Trenchless**
  - Project requires only 11 access pits, most of which are located on MNCPPC Property, to cut open existing pipe and insert the new liner
- Rehabbing the existing pipes helps reduce disruptions to community, environment, and emergency services from water main breaks
  - **No** extensive excavations!!
- **No** new house connections (service lines) will be installed as part of this project; all nearby properties are served by adjacent parallel water mains that will remain in service

# Benefits of CIPP Lining

- Minimizes environmental impacts
  - Avoids digging up environmentally sensitive areas
  - Areas of disturbance limited to access pits, each approx. 6'x22'
- Reduces construction duration and impact to residents
- Reduces traffic impacts
- Increases lifespan of pipe by approximately 50 years



# Estimated Construction Schedule

- Design and Permitting Complete: Fall 2022
- Bid: Spring 2023
- Anticipated Construction Start: Fall 2023
- Estimated Construction Complete: Spring 2024

*Construction schedules are estimated and may be subject to change due to weather, permitting and material availability due to supply chain issues*

# What to Expect During Construction

- Anticipated Work schedule: 8:00 a.m. to 5:00 p.m., Monday-Friday
  - Conditions at some locations may require different work hours
  - Residents will be notified at least two days prior to all construction activities
- Construction activities may include:
  - Marking locations of utilities
  - Field inspections
  - Excavation for rehabilitation and replacement of water main
  - Pavement restoration where digging is necessary
- WSSC Water coordinates with local and state agencies, as well as other utilities for all planned work to avoid potential conflict and minimize disturbances to neighborhoods



## What to Expect During Construction (cont.)

- CIPP Lining Pit Excavation (approx. 22'L x 6'W x 7'D) mostly in Park parking lots
- Temporary Pedestrian Trail in Park
- Construction will create some noise during working hours



# Operational Changes in response to COVID-19

- WSSC Water has implemented protocols that align with recommendations from local, state and federal public health authorities
- Working to minimize impact
  - Facial masks (when indoors) and physical distancing
- All WSSC Water employees and contractors are required to refrain from coming to work if displaying symptoms of COVID-19
  - We have implemented robust internal contact tracing and quarantine requirements
- Earlier notification to customers



# Traffic Impacts

- Certain construction activities may require temporary changes to traffic patterns
  - Traffic will be managed to minimize community disruptions
- Access will be maintained to homes during construction
  - Access into homes is **NOT** required
  - Access onto private property is generally **NOT** required
- Parking restrictions
  - WSSC Water will provide 48-hour advance notice (denoted by “No Parking” signs) before any parking restrictions
  - Any vehicles not removed from the designated area will be towed to a nearby street at no cost to owner
- Final restoration of sidewalks, roadways and landscaping will take place within 90 days of construction completion



# Tree Pruning and Removal

- Per the Department of Natural Resources Maryland Forest Service Public Agency Tree Maintenance Permit, construction methods that minimize tree impacts must be examined
- Before the final decision to remove a tree, WSSC Water considers the following:
  - Size, species and structural condition of the tree
  - Impact the tree will have on utility assets
  - Feasibility of relocating our infrastructure or using trenchless methods
- WSSC Water Urban Forester supervises all tree removal and pruning
  - 2 trees will be removed
  - 30 trees will be pruned



Pipes and Trees do not mix!





# Signage and Restoration

- Construction signs with contact persons placed throughout project area
- Projects completed during winter months are permanently paved and restored to their original state or better the following spring



# Project Summary

- Existing water transmission main is nearing the end of its useful life
- WSSC Water is rehabilitating the distribution system water mains in the public right-of-way to extend service life and ensure reliable water supply
  - Work is mostly trenchless, minimizing disturbance and environmental impact
- WSSC Water will minimize service disruptions during construction
- WSSC Water will coordinate work activities with property owners in the project area
- WSSC Water will restore all areas impacted by construction activities at the end of the project
- WSSC Water's goal is to provide a reliable water system to customers

# Contact WSSC Water



- **Customer Service** | Monday-Friday, 7:30 a.m. to 7:00 p.m.

Phone: 301.206.4001 | 1.800.634.8400

Email: [customerservice@wsscwater.com](mailto:customerservice@wsscwater.com)



- **24-Hour Emergency Call Center**

**Water Emergency, Sewer Emergency or Discolor Water**

Phone: 301.206.4002 | Email: [emergencycallcenter@wsscwater.com](mailto:emergencycallcenter@wsscwater.com)

Report a Problem: [wsscwater.com/customer-service/report-problem](http://wsscwater.com/customer-service/report-problem)

Discolored Water: [wsscwater.com/discoloredwater](http://wsscwater.com/discoloredwater)



- **File a Claim**

Phone: 301.206.7095

Online: [wsscwater.com/claims](http://wsscwater.com/claims)



- **WSSC Water Financial Assistance Programs**

Online: <https://www.wsscwater.com/assistance>



- **Customer Notification System Sign-Up**

Online: [www.wsscwater.com/cns](http://www.wsscwater.com/cns), email and/or text alerts on work in your neighborhood





**Questions?**

