



# ROCK CREEK ROADS SEWER REHABILITATION

Project No. CRCICKLR7173B21

July, 27, 2023

# Agenda

- Introduction to Project Team
- Sewer Rehabilitation Program Overview
- Project Overview
- Project Map
- Sewer Rehabilitation Methods
- Estimated Construction Schedule
- What to Expect During Construction
- Questions & Answers

# Project Team



- Walid Halboni, Design Project Manager  
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- Thomas Johnson, Project Outreach Manager  
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- Brandon Stewart, Customer Advocate  
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- Michael Baker International, Engineering Design Consultants
- SAK Construction Corporation, Construction Contractor

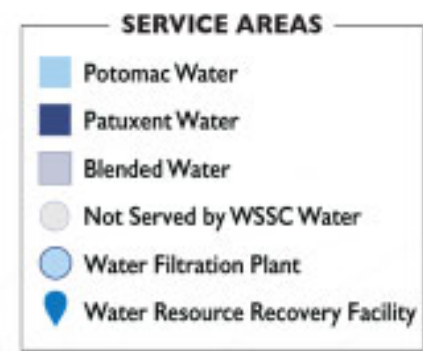
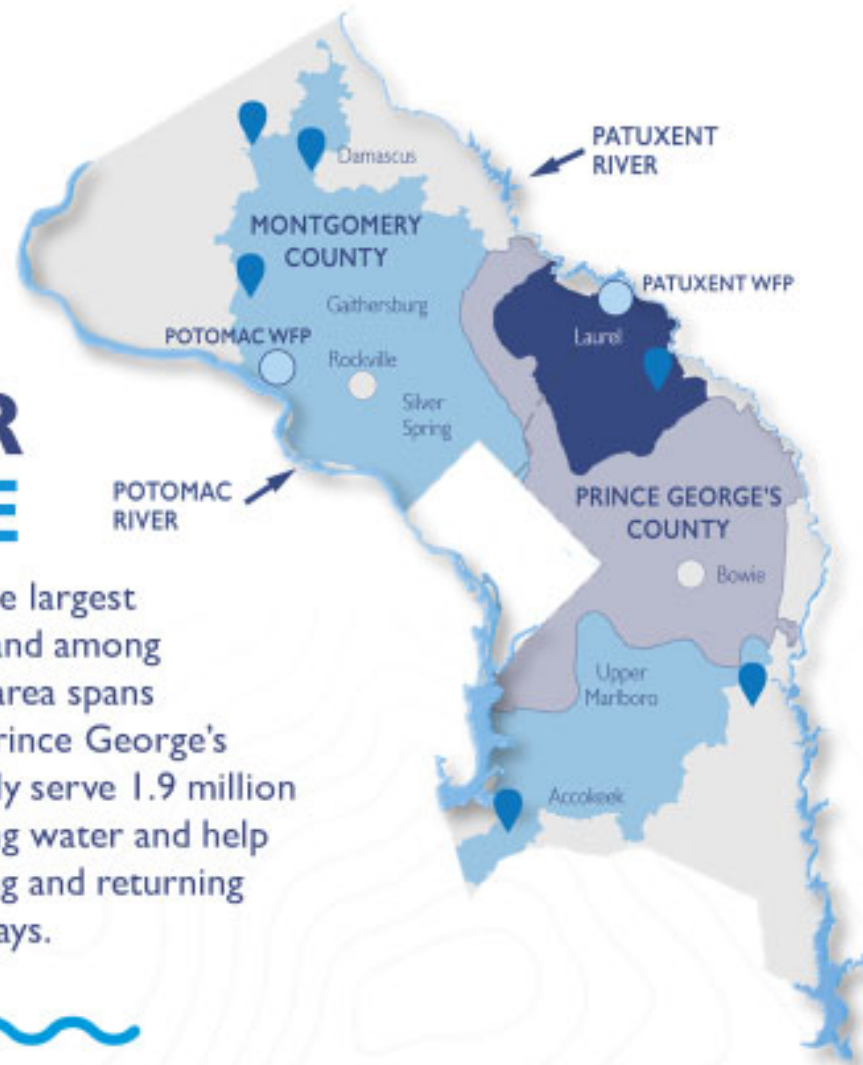


**105** years & counting  
No drinking water quality violations... ever!



# 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 AT A GLANCE



**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

# TEAM H<sub>2</sub>O



**\$5.3 MILLION**

FINANCIAL ASSISTANCE TO 12,345 CUSTOMERS SINCE THE PANDEMIC BEGAN.  
(WSSC WATER, FEDERAL, AND STATE PROGRAMS)

**17,343**

RESIDENTS ENROLLED IN OUR CUSTOMER ASSISTANCE PROGRAM IN FY 2022.  
(\$1.8 MILLION BENEFIT TO ENROLLEES)

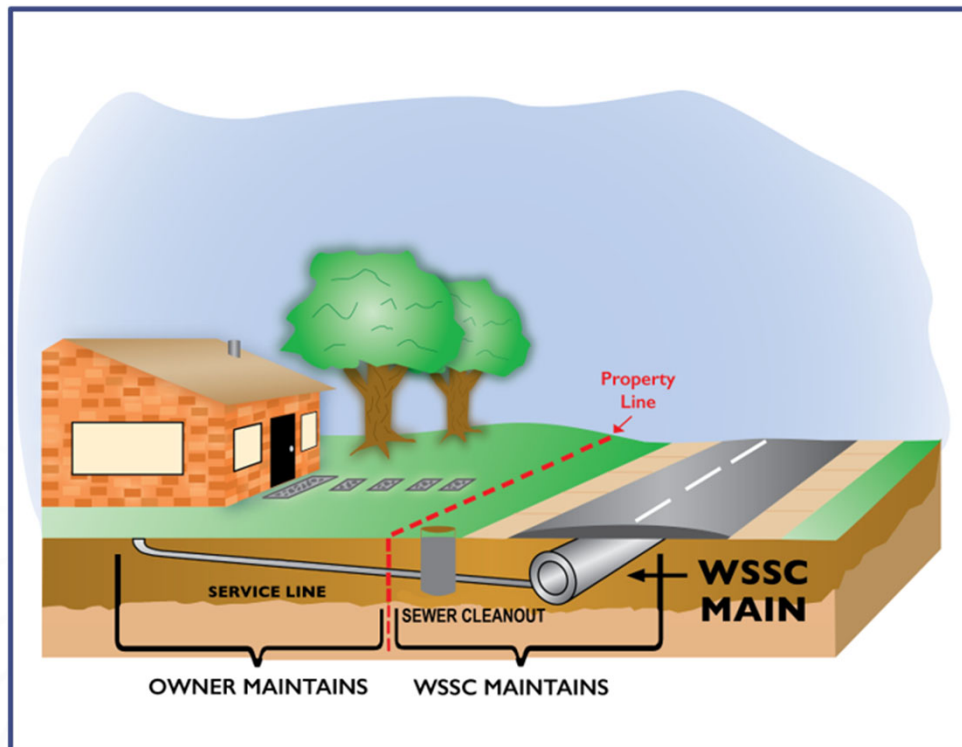
**\$1.6 BILLION** FY2024 PROPOSED BUDGET

# Project Overview

- WSSC Water is strategically replacing and rehabilitating aging infrastructure throughout service area
- Project includes replacing approximately **4.96 miles** of sewer mains and house connections to property line
- Approximately **126** manholes will be rehabilitated or replaced
- Sewer pipes and manholes rehabilitated using primary trenchless methods, however those in very poor condition will require excavation to repair and replace.
- Completed project will extend life of sewer pipes by at least 50 years.



# Project Overview cont.



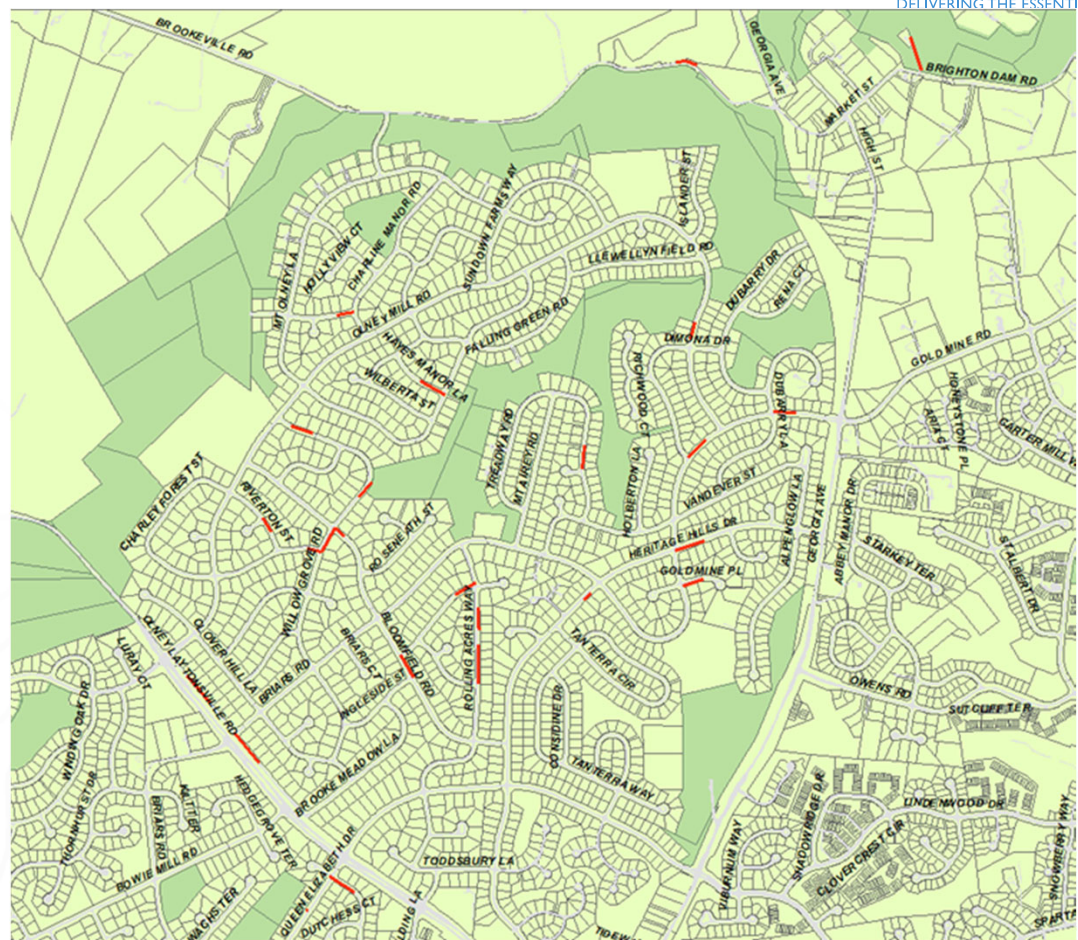
- New sewer mains installed and rehabbed within roadways.
- Sewer house connections (up to the property lines) replaced and reconnected.
- Replacing existing pipes provides for correcting structural deficiencies in sewer mains that may result from soil settlement, root penetration or corrosion, and often contribute to sewer overflows and backups into homes



# Project Map

## DIRECTLY IMPACTED STREETS

- BROOKE MEADOW LANE**
- OLNEY MILL ROAD**
- DUTCHESS DRIVE**
- QUEEN ELIZABETH DRIVE**
- OLNEY LAYTONSVILLE RD**
- CLOVER HILL LANE**
- RIVERTON STREET**
- OLNEY MILL COURT**
- WILLOW GROVE ROAD**
- BLOOMFIELD ROAD**
- ROSENEATH STREET**
- ROLLING ACRES WAY**
- STONEY CASTLE STREET**
- INGLESIDE STREET**
- HAYES MANOR LANE**
- MT. OLNEY LANE**
- TREADWAY ROAD**
- TREADWAY COURT**
- HERITAGE HILLS DRIVE**
- GOLD MINE ROAD**
- DIMONA DRIVE**
- ISLANDER STREET**
- GOLD MINE ROAD**
- GEORGIA AVE**
- ASHLAND BROOKE WAY**
- OLNEY MILL PLACE**
- RICHWOOD LANE**
- QUAIL HOLLOW TER**
- MARKET STREET**





# Project Map

## DIRECTLY IMPACTED STREETS

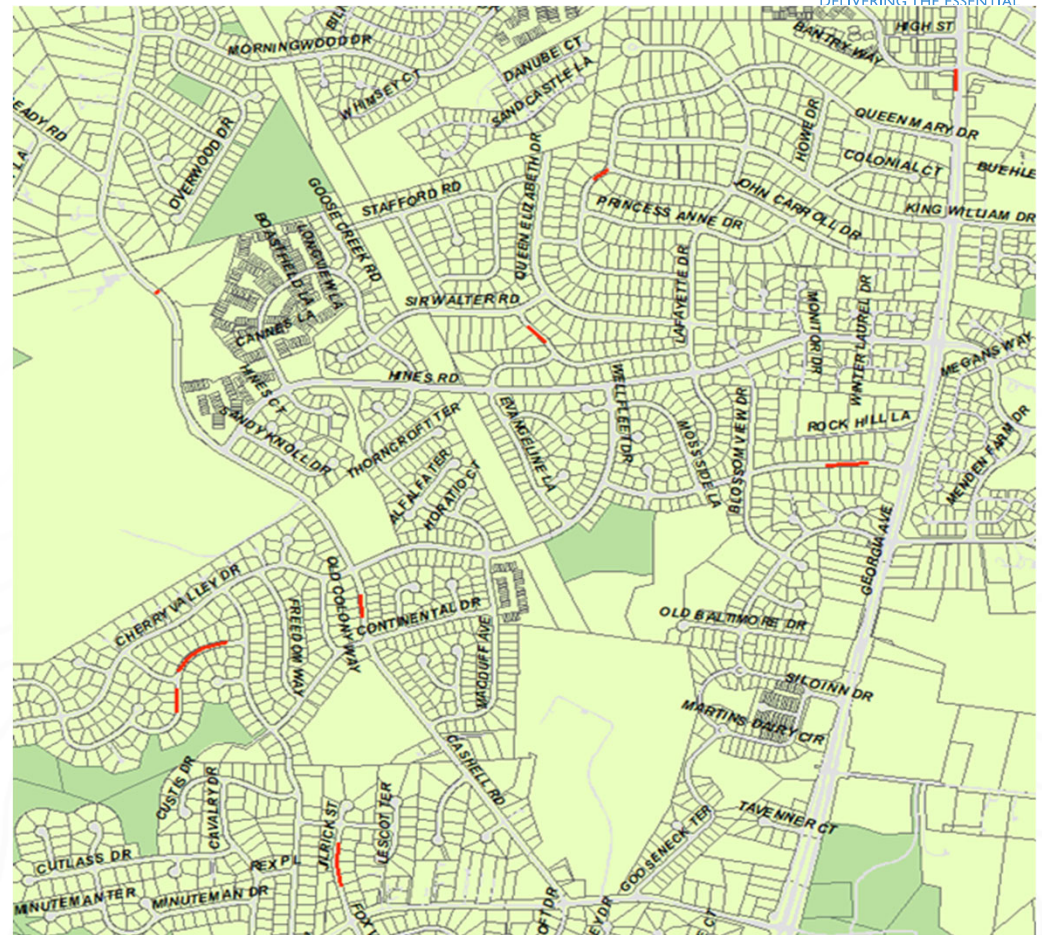
WAPELLO WAY	BEE BEE DRIVE
MANOR LAKE DRIVE	FRONTENAC TER
WATERVIEW DRIVE	KIPLING ROAD
WHEAT FALL DRIVE	KILLDEER DRIVE
COLUMBINE WAY	JACOBS COURT
DELPHINIUM LANE	MUNCASTER MILL ROAD
GREAT OAK ROAD	MILLER FALL ROAD
NORBECK ROAD	MC DADE COURT
BOXELDER COURT	MILL RUN DRIVE
CHESTNUT LANE	PARK MILL DRIVE
MUNCASTER MILL ROAD	BLANCHARD DRIVE
RIDGE ROAD	QUONDAL COURT
OAKMONT AVE	MILL CREEK DRIVE
BAEDERWOOD COURT	VINYARD LANE
BETHAYRES ROAD	SUNFLOWER DRIVE
RYDAL TER	LAYTONIA DRIVE
DEER LAKE ROAD	IVY OAK



# Project Map

## DIRECTLY IMPACTED STREETS

- JILRICK STREET
- CASHELL ROAD
- VALLEY FORGE DRIVE
- LAFAYETTE DRIVE
- CHEROKEE LANE
- CHERRY VALLEY DRIVE
- QUEEN MARY DRIVE
- GEORGIA AVENUE
- PRESTWOOD DRIVE



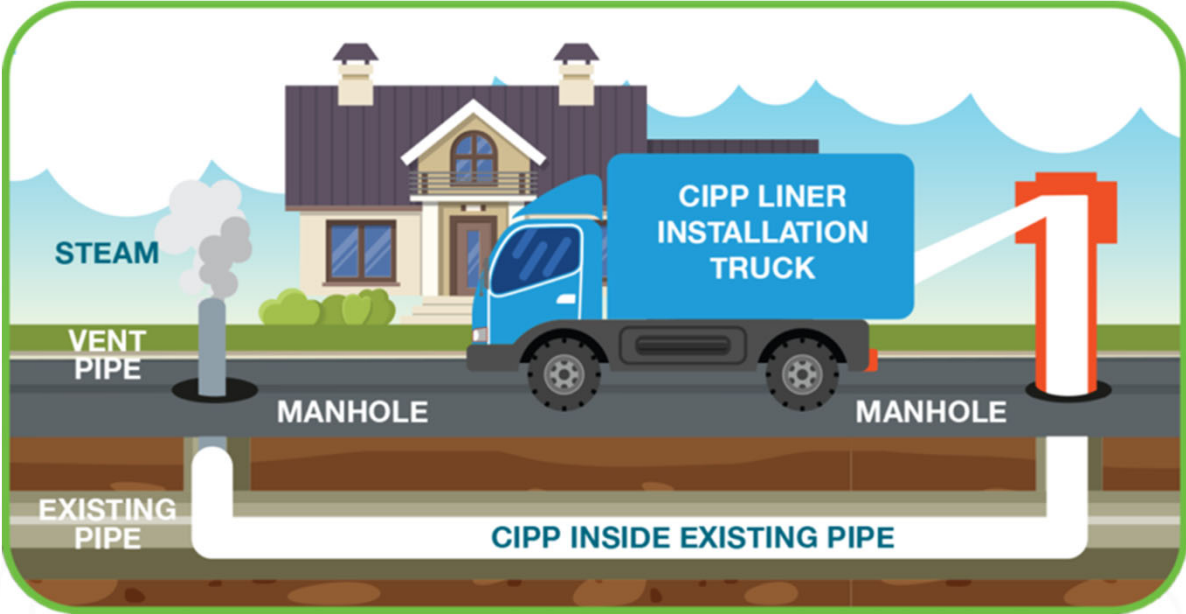


# Sewer Rehabilitation Method: Open Trench





# Sewer Rehabilitation Method: Pipe Lining



# Manhole Rehabilitation



# Tree Removal and Pruning

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



Pipes and Trees  
Do not Mix!





# Estimated Construction Schedule



- Expected Construction Start Date: Fall 2023  
*(Pending Permit Acquisition)*
- Estimated Construction Duration: Over 2 Years
- Expected Construction Finish Date: Winter 2025  
*(Weather Permitting)*



Construction schedules are estimated and weather permitting

# What to Expect During Construction

- Anticipated Work schedule: 9:00 a.m. to 3:30 p.m., Monday-Friday
  - Conditions at some locations may require different work hours
  - Residents notified at least two days prior to all construction activities
- Construction activities may include:
  - Marking locations of utilities
  - Field inspections
  - Rehabilitation of sewer mains, manholes and laterals
  - 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.

- Reliable sewer service will be maintained during construction
- Street parking will be limited on streets with active construction.
  - 48-hours advanced notification will be provided.
  - NO PARKING signs will be posted.
  - All roads will remain accessible at all times during construction. However, certain activities may require temporary closures and delays.
- Access from the public roadway to businesses and homes will be maintained at all times.
- Entry into homes is NOT required.



# Traffic Impacts

- Certain construction activities may require temporary changes to traffic patterns
  - Traffic will be managed to minimize community disruptions
- Access to homes maintained 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) prior to any parking restrictions
  - Any vehicles not been 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



# Contact WSSC Water



- **Customer Service** | Monday-Friday, 8:00 a.m. to 6:00 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 Discolored 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?**



