



Western Branch Basin Environmental Sensitive Area Sewer Rehabilitation

Project No. CKCILR731 | B22

March 27, 2024

Agenda

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

Project Team



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- David Wilkins, Customer Advocate
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- Thomas F. Johnson II, Project Outreach Manager
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- Remington and Vernick Engineers (RVE), Engineering Design Consultants
- SAK Construction, LLC, Construction Contractor

106 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.



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

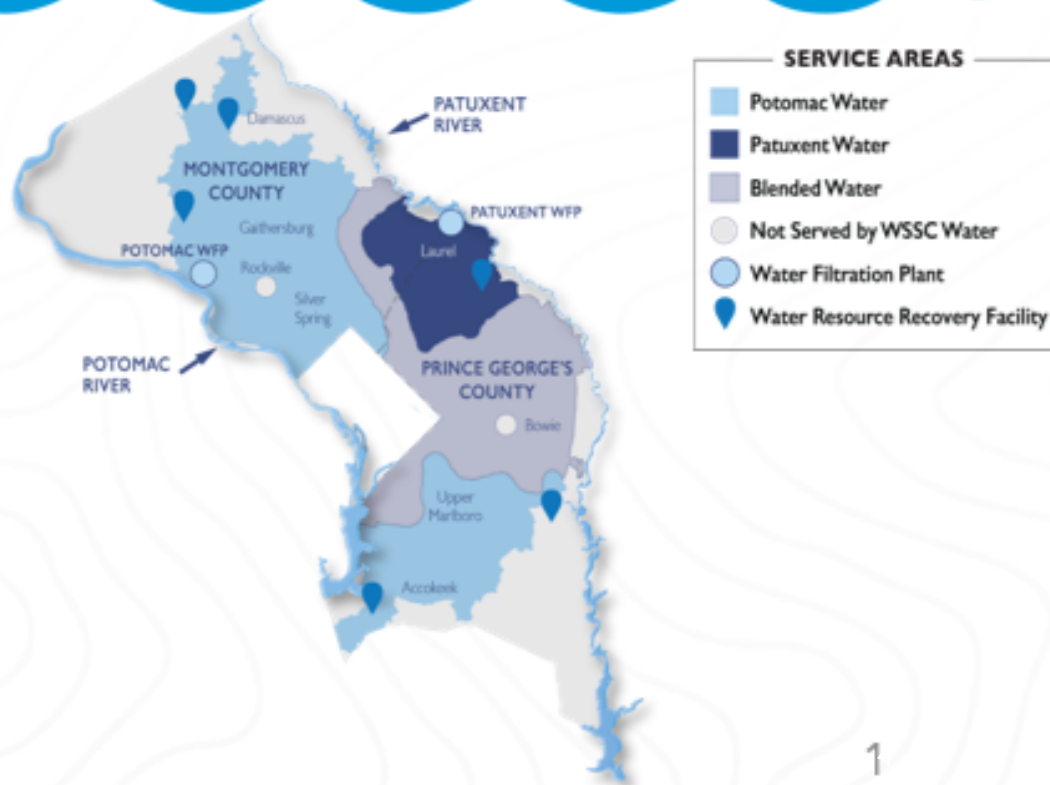
Our drinking water system spans **5,800+** miles

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



HELPING OUR NEIGHBORS: WATER BILL ASSISTANCE

Promise.

Sign up for an affordable, flexible and interest-free payment plan. Customers with a past-due balance of \$50 or more are eligible.

CUSTOMER ASSISTANCE PROGRAM (CAP)

CAP assists approved residential customers by waiving fixed fees, providing free annual plumbing inspections for water leaks, and much more.



Eligible customers can access the Water Fund multiple times, up to \$500 per year.



Provides a loan of up to \$5,000 to finance the replacement of a leaking residential water service line. PipeER is administered by the WSSC Federal Credit Union.

Sewer Rehabilitation Program Overview



- Strategically replacing and rehabilitating aging infrastructure to enhance service and reliability to customers
- Replacing and repairing aging pipes and manholes as part of our comprehensive sewer rehabilitation program
- Correcting structural deficiencies in sewer mains that may result from soil settlement, root penetration or corrosion
 - These often contribute to sanitary sewer overflows and backups into homes
- Protecting the environment for future generations

Environmentally Sensitive Areas Overview

- Environmentally sensitive areas (ESAs) are landscape elements or places vital to long-term maintenance of soil, water or other natural resources both on site and in the region.
- Examples of ESAs
 - Critical Areas (within 1,000 feet of rivers or bays)
 - Sensitive Species Habitat
 - Historic Properties
 - Parklands
 - Forests
 - Wetlands and Waterways



Above grade manhole



Exposed sewer pipes

Project Overview

- Approximately **2.30** miles of sewer pipes, **0.01** miles of house connections to property line, and **16** manholes to be rehabilitated or replaced
- Sewer pipes and manholes rehabilitated using primarily trenchless methods
- Pipes and manholes in very poor condition will require excavation to replace or repair
- Installation of temporary access road from roadway to the project site
- Stream stabilization: restoration of stream to its natural state prior to erosion
- Completed projects will extend life of sewer pipes by at least 50 years

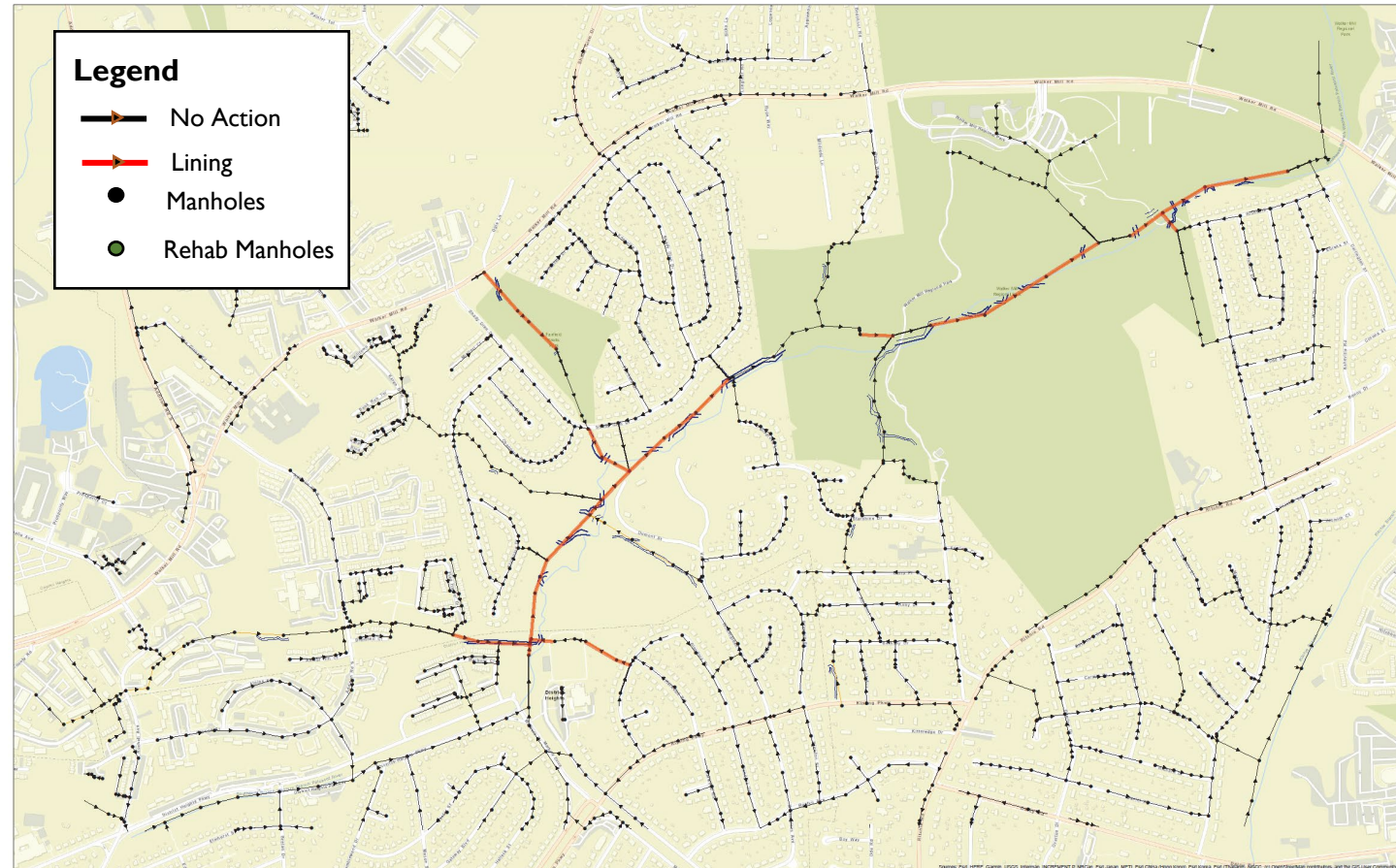


Example of stream stabilization.

Project Map

Directly Impacted Streets

RICHVILLE DRIVE	GLENDORA DRIVE
ANNY DRIVE	DUMONT STREET
BETHANY DRIVE	MARBURY DRIVE
KIPLING PARKWAY	SHADY GLEN DRIVE
BERRY PLACE	WALKER MILL ROAD
STARSHINE DRIVE	WALKER MILL SERVICE ROAD
COUNTY ROAD	
ROCHELL AVENUE	
SHADY GLEN DRIVE	
GLENDORA DRIVE	



Sewer Rehabilitation Methods

- Sewer Rehabilitation

- Lining
- Pipe Bursting
- Grouting
- Open-cut Replacement

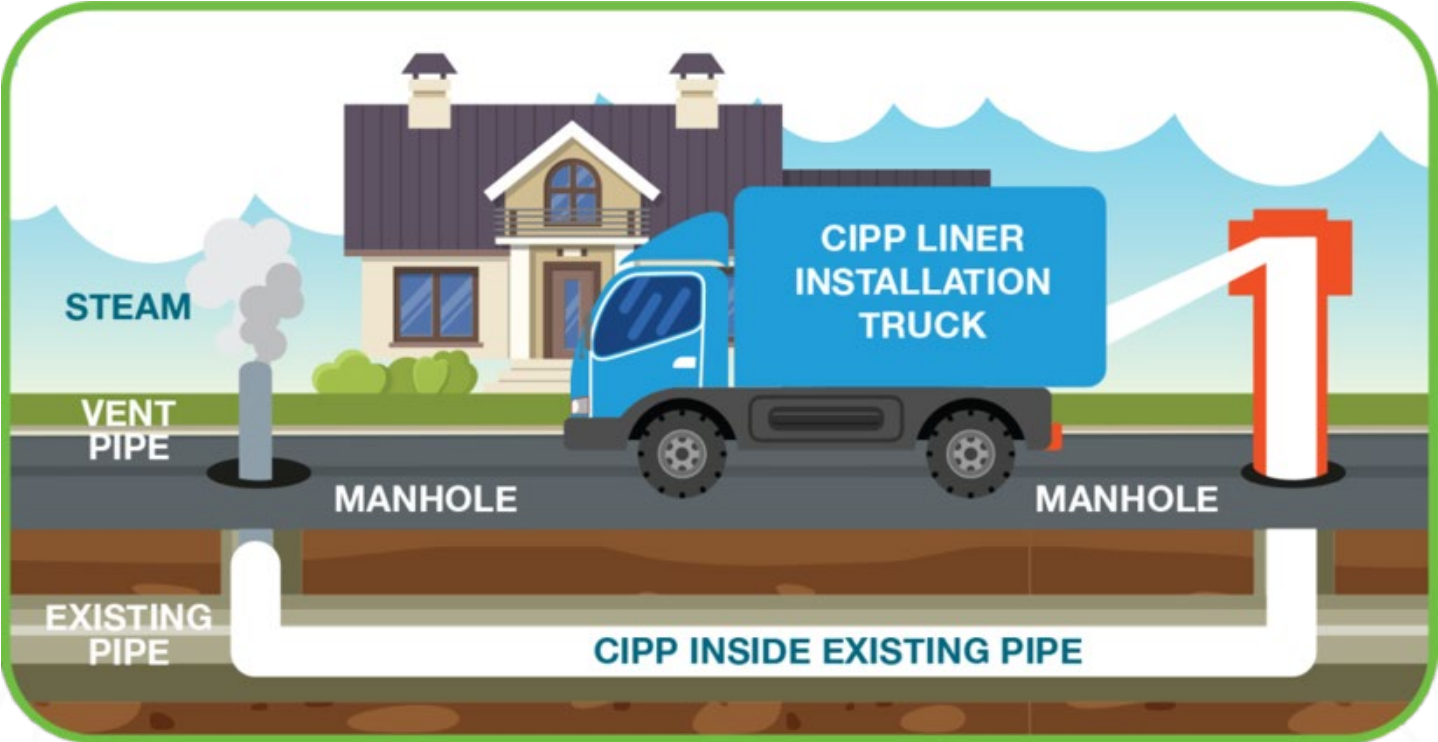


- Manhole Rehabilitation

- Frame and Cover
- Replacement/Adjustment
- Lining



Sewer Rehabilitation Method: Pipe Lining



Sewer and Manhole Improvements: Bypass System



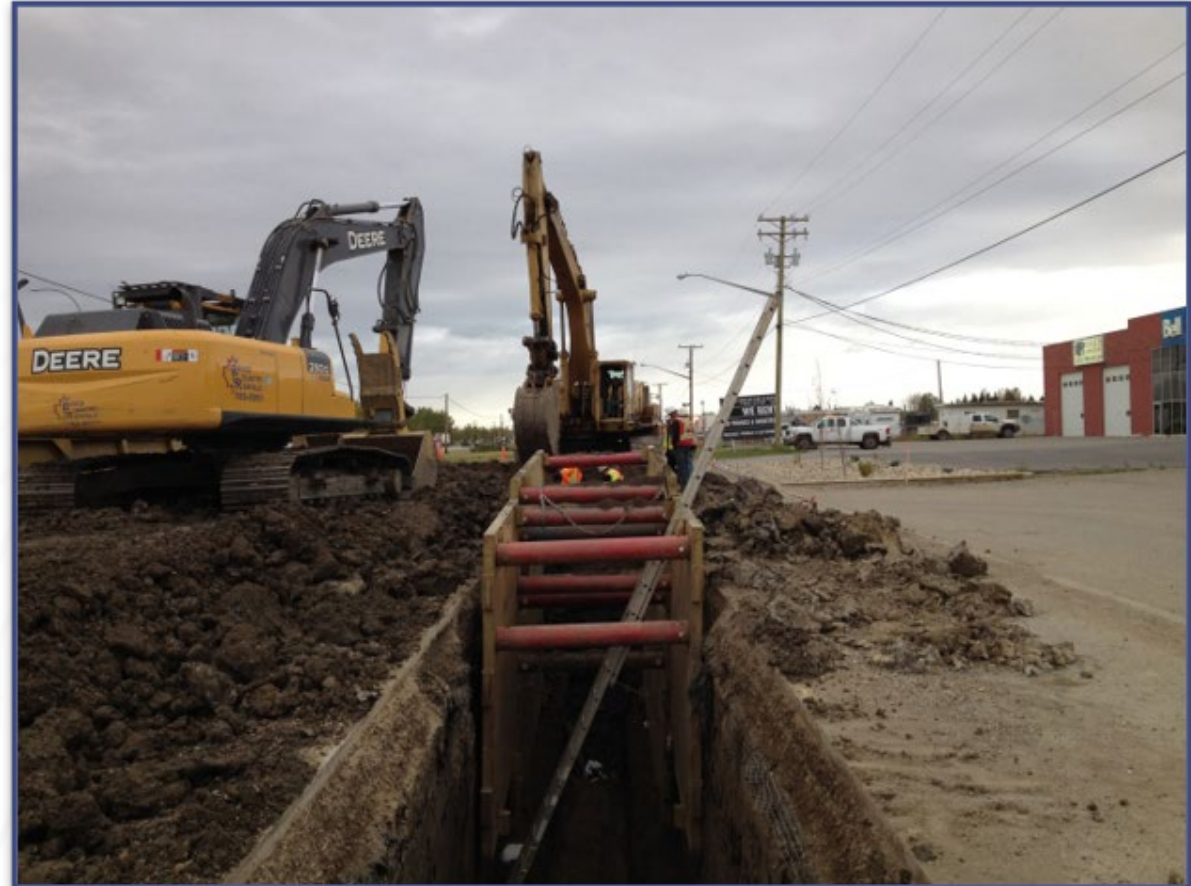
Sewer Rehabilitation Method: Bypass



Manhole Rehabilitation

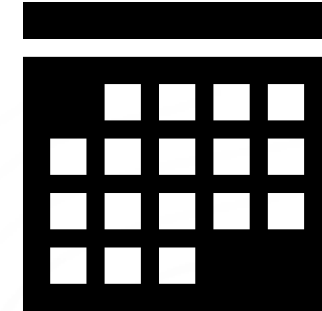


Open Trench



Estimated Construction Schedule

- Expected Construction Start Date: Summer 2024
(Pending Permit Acquisition)
- Estimated Construction Duration: 12 months
- Expected Construction Finish Date: Summer 2025
(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 will be notified at least two days prior to all construction activities
- Construction activities may include:
 - Marking locations of utilities
 - Field inspections
 - Construction of temporary access road
 - Stream stabilization
 - Rehabilitation of sewer mains, manholes and laterals
 - Pavement restoration where digging is necessary



Stream Stabilization

What to Expect During Construction

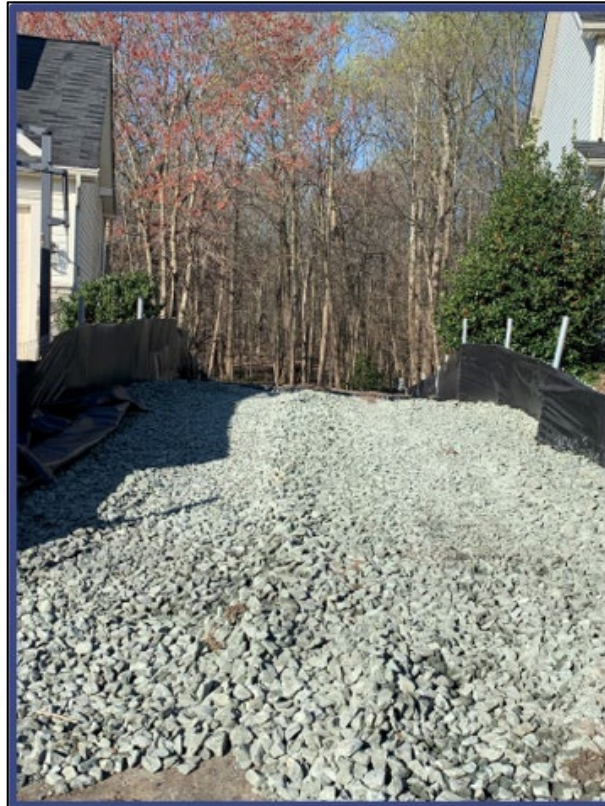
- Temporary construction access within parks and private properties constructed and maintained by WSSC Water until all rehabilitation work completed
- Right-of-Entry Agreements from owners of impacted properties obtained prior to construction
- Construction vehicles and bypass pumps on temporary access road occasionally

Temporary Construction Access Routes

- Avoid specific trees or other sensitive areas, where possible
- Use existing roads, paths and trails to maximum extent practicable



Temporary Stream Crossing



Stabilized Construction Entrance



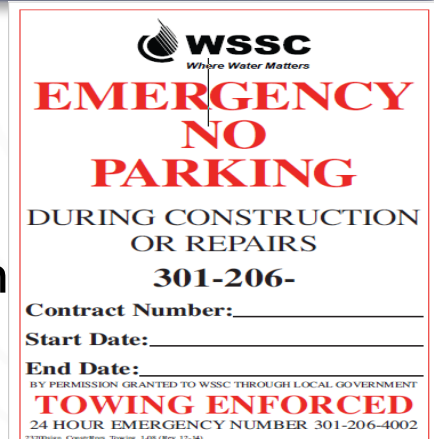
Timber Matting

What to Expect During Construction

- Reliable sewer service maintained during construction
- Street parking may be limited on streets with active construction
 - 48-hour advanced notification provided
 - NO PARKING signs posted
 - All roads will remain accessible at all times during construction
 - Certain activities may require temporary closures and delays.
- Access from the public roadway to businesses and homes maintained at all times
- Entry into homes is **NOT** required
- Tree removal, only when necessary, pruning and/or stump removal
 - New trees planted where trees needed to be removed
 - Property owners notified if a tree on their property has to be removed

Traffic Impacts

- Certain construction activities may require temporary changes to traffic patterns
 - Traffic 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 removed from designated area will be towed to 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

- **24-Hour Emergency Call Center**

Water Emergency, Sewer Emergency or Discolored Water

Phone: 301.206.4002 | Email: emergencycallcenter@wsscwater.com

Report a Problem: wsscwater.com/customer-service/report-problem

Discolored Water: wsscwater.com/discoloredwater

- **File a Claim**

Phone: 301.206.7095

Online: wsscwater.com/claims

- **WSSC Water Financial Assistance Programs**

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

- **Customer Notification System Sign-Up**

Online: www.wsscwater.com/cns, email and/or text alerts on work in your neighborhood



FINANCIAL ASSISTANCE
for Our Neighbors



Questions?

