



Muddy Branch Basin Environmental Sensitive Area Sewer Rehabilitation

Project No. CI7595B23

November 21, 2023

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



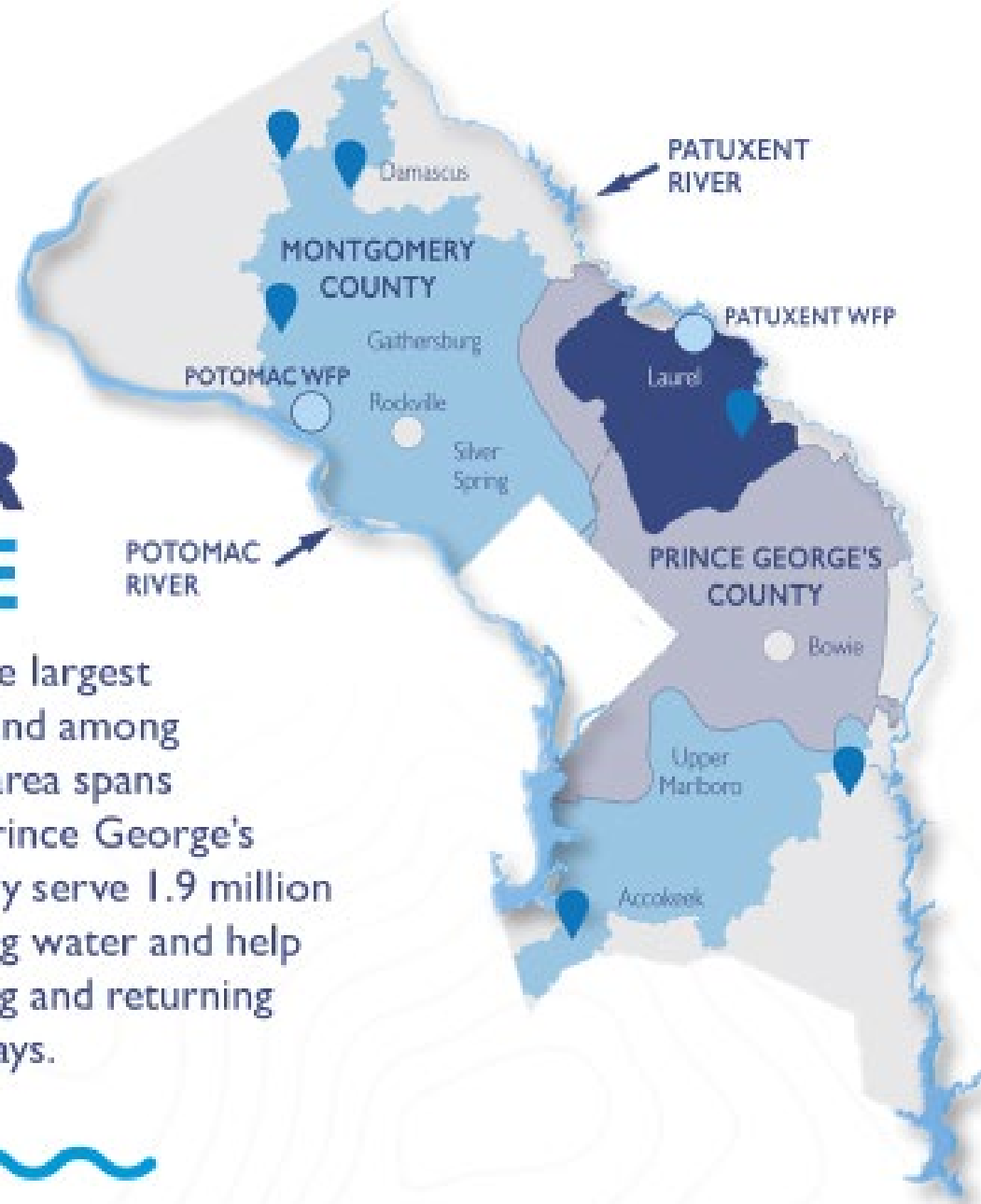
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- Inland Pipe Rehabilitation, Construction Contractor

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 H₂O



\$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

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 1.03 miles of sewer pipes and 22 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



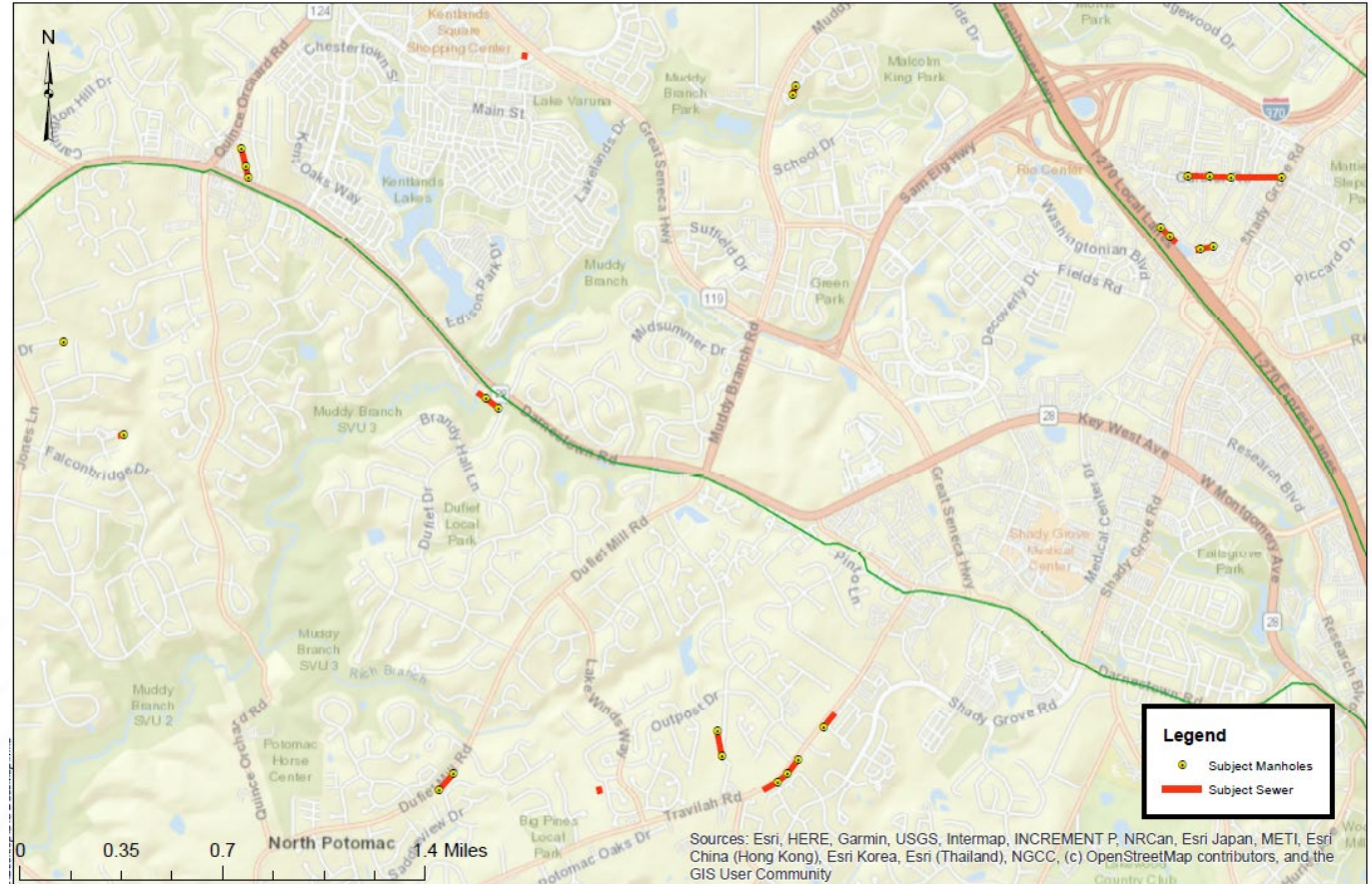
Example of stream stabilization.

Project Map



Directly Impacted Streets

- Grey Colt Drive
- Platinum Drive
- Chinkapin Drive
- Travilah Road
- Dufief Drive
- Gaither Drive
- Shady Grove Road
- Gaither Road
- Stonecutter Drive
- Gravenhurst Ct
- Lakeworth Drive
- Kentlands Blvd



SEWER REHAB WORK LOCATED IN THE MUDDY BRANCH BASIN

- NOTES:
1. Prior to excavation contractor shall locate all utilities per Miss Utility (800) 267-7777.
 2. All work shall be in accordance with the WSSC specification and contract documents.
 3. Call WSSC environmental at 301-206-2075 for tree removal and pruning.

Sewer Rehabilitation Methods

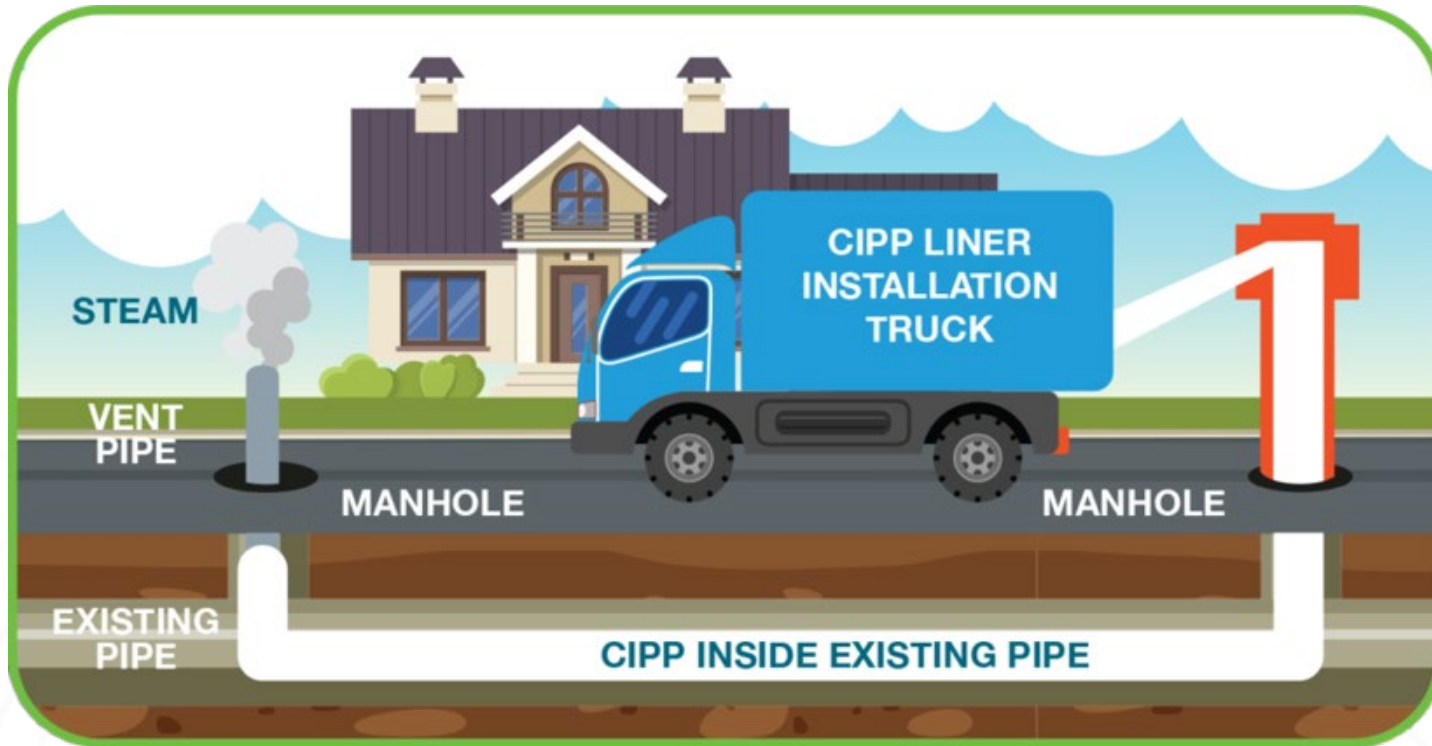
- Sewer Rehabilitation
 - Lining
 - Grouting



- Manhole Rehabilitation
 - Frame and Cover
 - Replacement/Adjustment
 - Lining



Sewer Rehabilitation Method: Pipe Lining

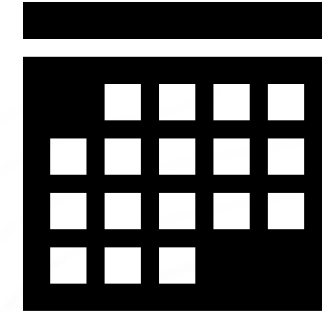


Manhole Rehabilitation



Estimated Construction Schedule

- Expected Construction Start Date: Summer 2024
(Pending Permit Acquisition)
- Estimated Construction Duration: 9 months
- Expected Construction Finish Date: Spring 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

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



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.



New applicants may qualify for up to \$10,000 to help pay for your past-due water/sewer bill. Applications accepted through December 31, 2023.

**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.

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



Questions?

