



# Swan Creek Sewer Rehabilitation Project

Project No. **CRCICNLR6851K20**

November 1, 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



- Gary Wallace Jr., Design Project Manager  
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- Brian Jenkins, Technical Contracts Supervisor (Construction)  
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- Thomas Johnson, Project Outreach Manager  
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- SAK Construction Corporation, Construction Contractor

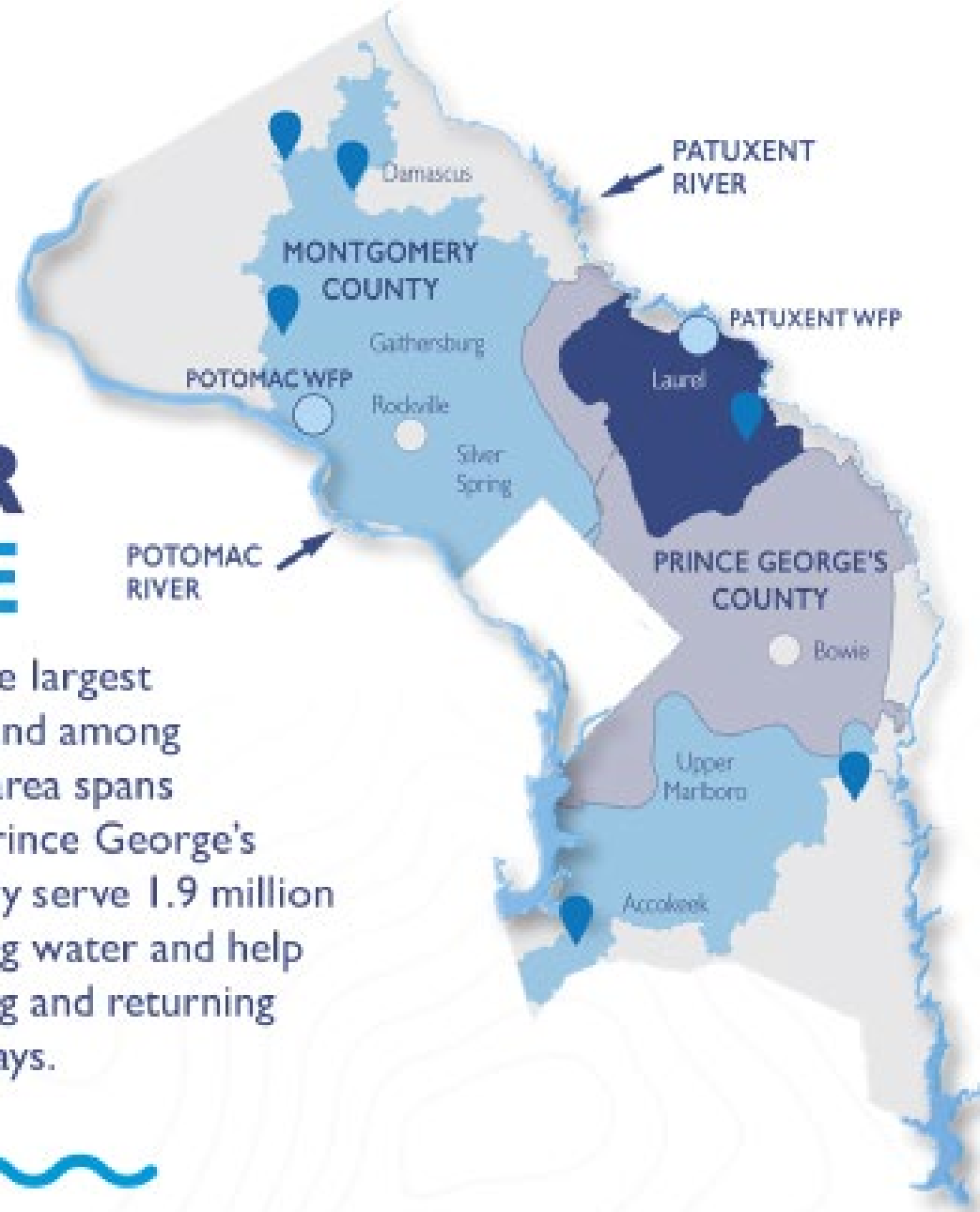


**105** years & counting  
No drinking water quality violations... ever!



# 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

# 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 area (ESA) projects involve the rehabilitation of assets outside of the public right of way.

- Examples of ESAs

- Critical Areas (within 1,000 feet of rivers or bays)
- Private Property
- Sensitive Species Habitat
- Historic Properties
- Parklands
- Forests
- Wetlands and Waterways



Above grade manhole



Exposed sewer pipes

# Project Overview

- Approximately 1.20 miles of sewer pipes and 40 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.*

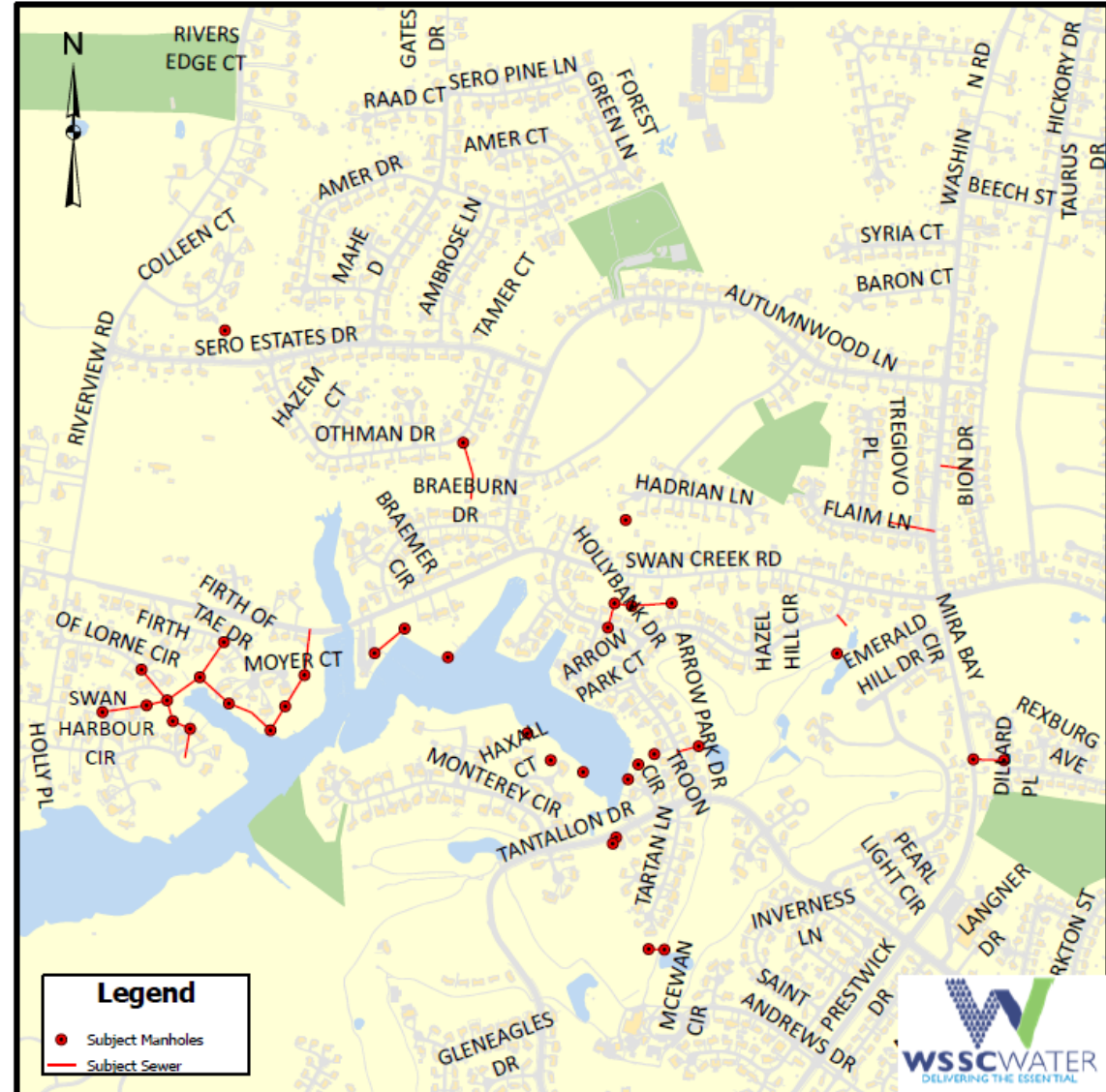


# Project Map

## Directly Impacted Streets

St Andrews Drive  
Arrow Park Drive  
Fort Washington Road  
Bion Drive  
Moyer Court  
Firth Of Tae Drive  
Firth Of Lorne Circle  
Swan Harbour Drive  
Othman Drive  
Hollybank Drive  
Swan Creek Road

Swan Creek Circle  
Swan Harbour Circle  
Emerald Hill Drive  
West Tantallon Drive  
Troon Circle  
Moyer Street  
Loch Carron Circle  
Hadrian Lane  
Harbour Circle  
Haxall Court  
Colleen Street



# Sewer Rehabilitation Methods

- Sewer Rehabilitation

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

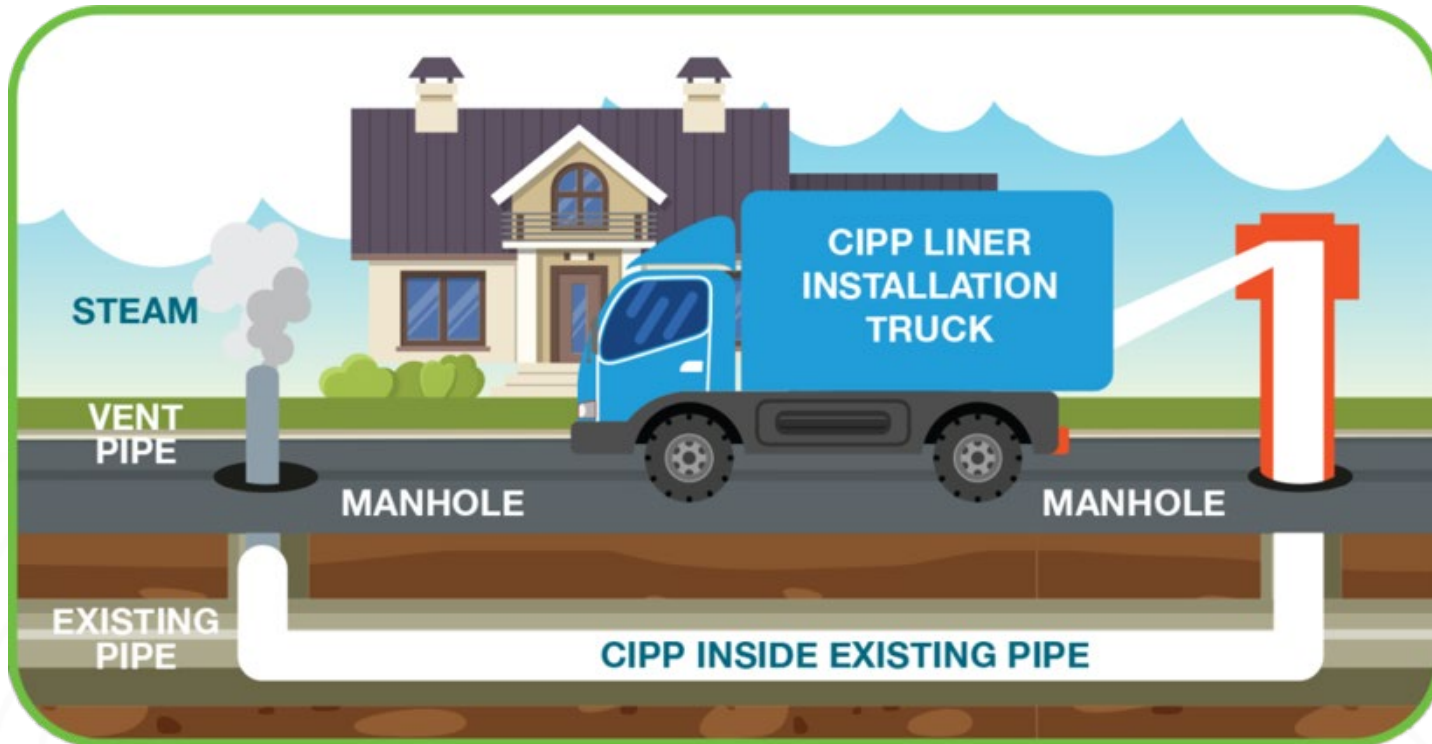


- Manhole Rehabilitation

- Frame and Cover Replacement/ Adjustment
- Lining

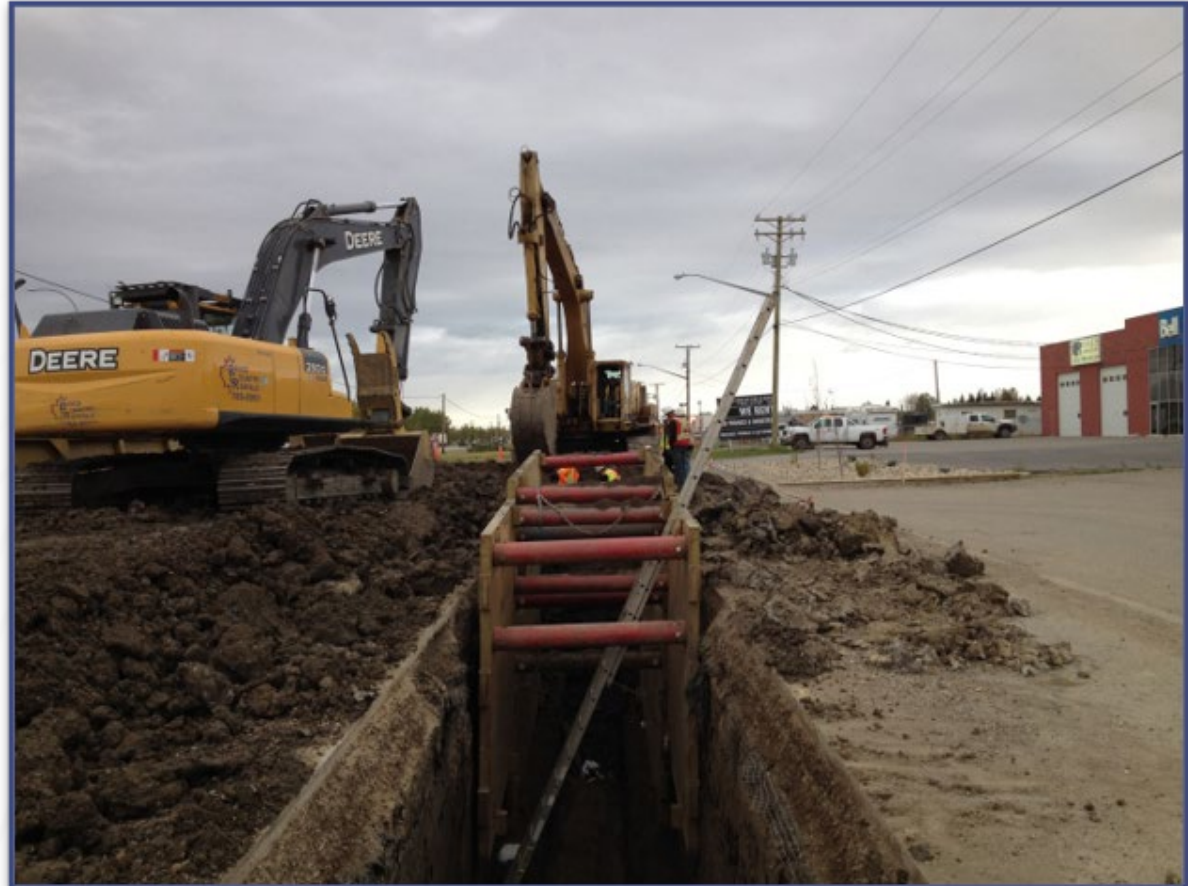


# Sewer Rehabilitation Method: Pipe Lining





# Open Trench



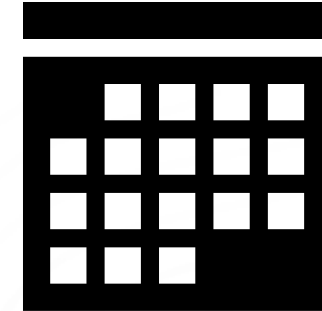


# Manhole Rehabilitation



# Estimated Construction Schedule

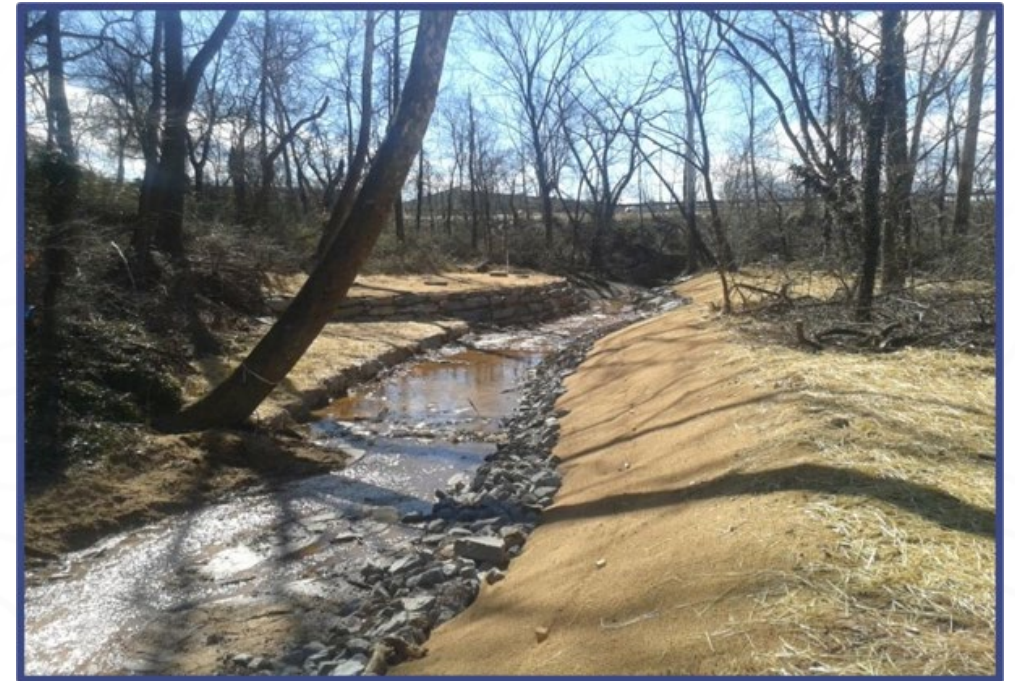
- Expected Construction Start Date: November 2023  
*(Pending Permit Acquisition)*
- Estimated Construction Duration: 1 year
- Expected Construction Finish Date: November 2024  
*(Weather Permitting)*





# What to Expect During Construction

- Anticipated Work schedule: 8:00 a.m. to 4:00 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
  - 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

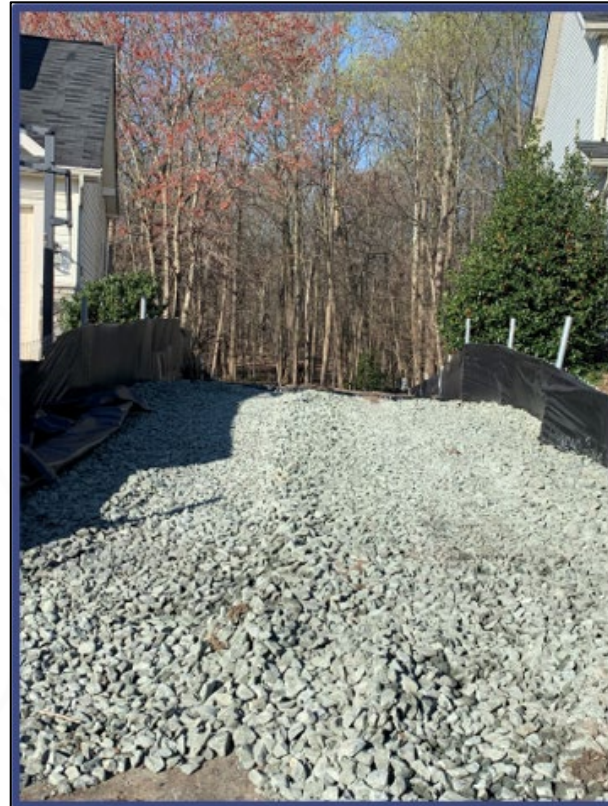


# Temporary Construction Access Routes

- 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*

# Sewer and Manhole Improvements: Bypass System





# 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
- Parking restrictions
  - WSSC Water will provide 48-hour advance notice (denoted 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](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



**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?**

