



# Broad Creek Basin Environmental Sensitive Area Sewer Rehabilitation

Project No. CILLR7365A22

8/24/2022

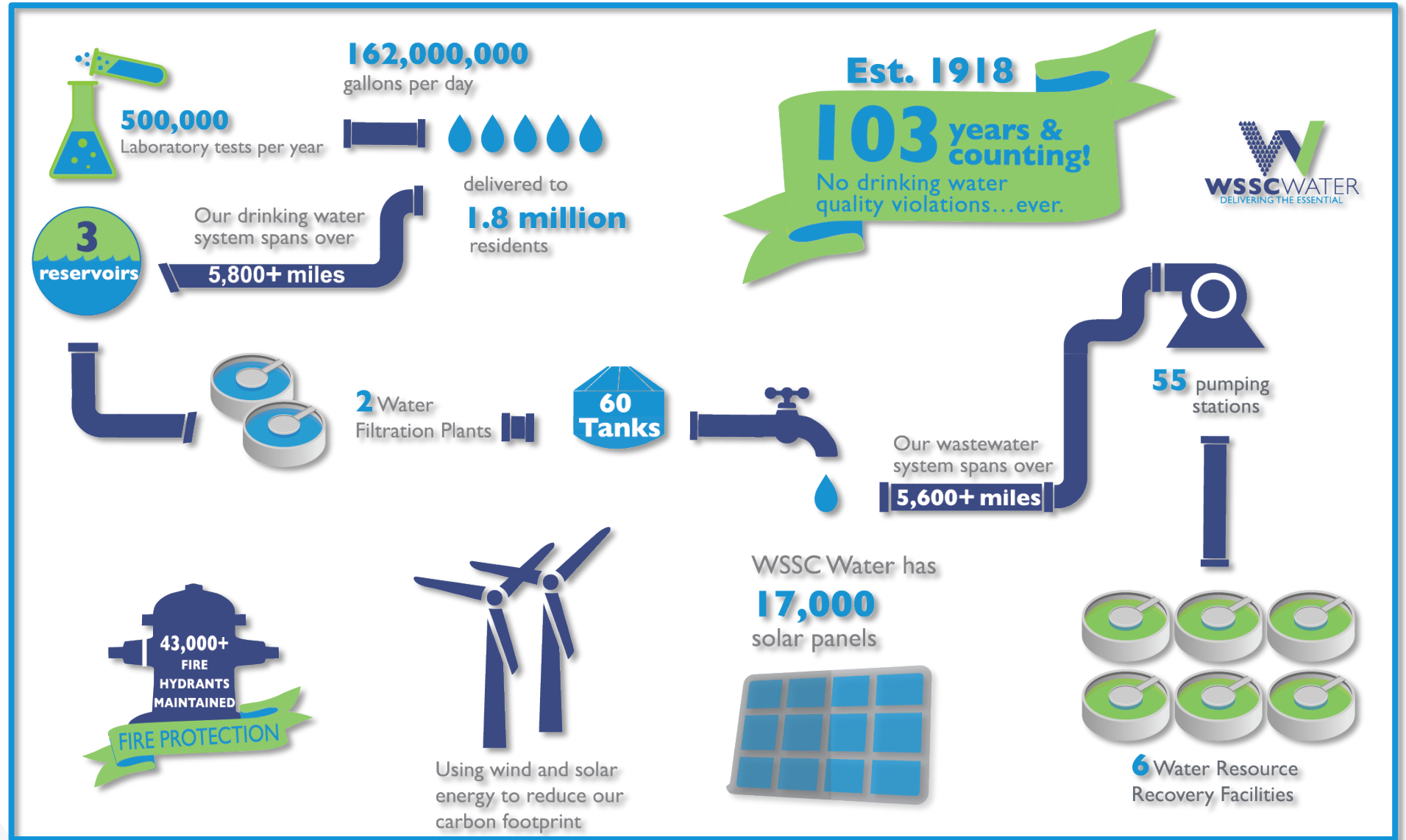
# Agenda

- 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

- Walid Halboni, Design Project Manager  
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- Gouladral Williams, Technical Contracts Manager (Construction)  
301-206-7316, [gouladral.williams@wsscwater.com](mailto:gouladral.williams@wsscwater.com)
- Stephen Billingsley, Customer Advocate  
240-444-5803, [Stephen.Billingsley@wsscwater.com](mailto:Stephen.Billingsley@wsscwater.com)
- WSSC PM, Engineering Design
- SAK Construction, Construction Contractor

# WSSC Water Overview



# Sewer Rehabilitation Program Overview

- WSSC Water is strategically replacing and rehabilitating our aging infrastructure throughout our service area, to enhance service and reliability to our customers.
- As part of our comprehensive sewer rehabilitation program, we are replacing and repairing our aging pipes and manholes throughout our service area.
- Correcting structural deficiencies in sewer mains that may result from soil settlement, root penetration, or corrosion, and often contribute to sanitary sewage overflows and backups into homes.
- Protect the environment for future generations.



# Environmental Sensitive Areas Overview

➤ Environmentally sensitive areas (ESAs) are landscape elements or places which are vital to the long-term maintenance of soil, water or other natural resources both on the site and the region.

## ➤ Examples of ESAs

- Critical Areas (within 1000 feet of rivers or bays)
- Sensitive Species Habitat
- Historic Properties
- Parklands
- Forests
- Wetlands and Waterways



Above grade manhole



Exposed sewer pipes

# Project Overview

- Approximately 3.36 miles of sewer pipes will be rehabilitated or replaced.
- Approximately 20 manholes will be rehabilitated or replaced
- Sewer pipes and manholes will be rehabilitated using primarily Trenchless methods, so very minimal access road will be required.
- Pipes and manholes that are in very poor condition will require excavation to replace or repair.
- Installation of a temporary access road from the roadway to the project site.
- Stream stabilization: restoration of the stream to it's natural state prior to erosion.
- The completed projects will extend the life of the sewer pipes by at least 50 years.



*Example of stream stabilization.*



2816 MILL CROSSING DR

7209 ALLENTOWN RD

7137 ALLENTOWN RD

# Project Map

## Directly Impacted Streets

Allentown Rd.  
Old Fort Rd  
Tucker Rd  
Indian Head HWY  
Wilson Bridge Dr  
Clipper Way  
Livingston Rd  
Leyte Dr  
Carson Ave  
Bock Rd  
ROSECROFT BLVD  
MILL CROSSING DR  
ALLENTOWN RD  
CLOW CT  
HOLLY TREE RD  
TEMPLE HILL RD  
NORTHAM RD  
TYBURN CT

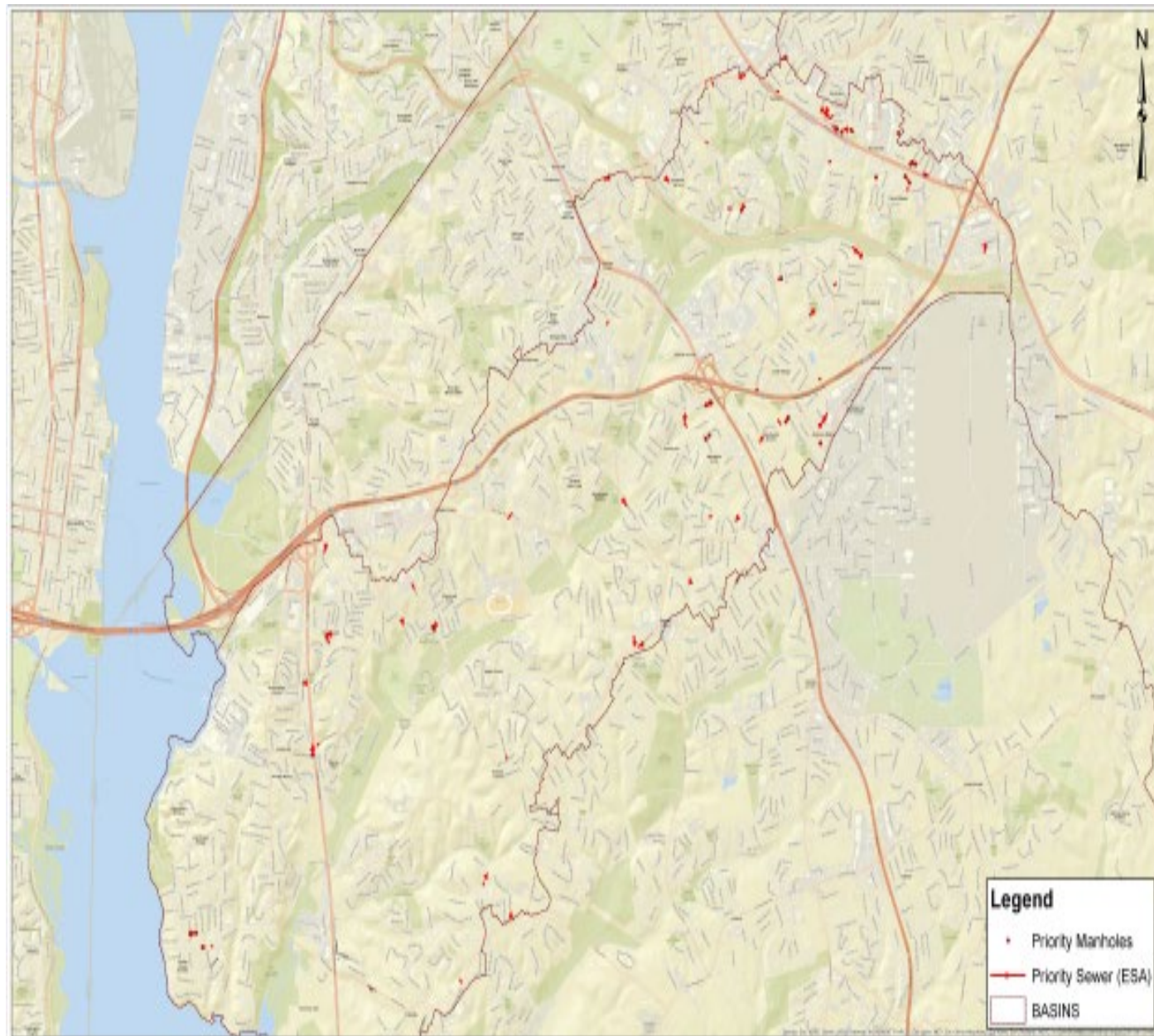


## Directly Impacted Streets

MARLI N LN  
TOLSON RD  
YORKVILLE RD  
GUNSTON LN  
MANCHESTER DR  
MEDFORD AVE  
MEDFORD AVE  
OAKLAND WAY  
BARNABAS RD  
SILVER HILL RD  
PEARL DR  
MEADOWVIEW DR  
REGENCY PARK CT  
SUITLAND RD  
SILVER HILL RD  
TODDSBURY PL  
WALTERS LN  
MERRITT ST  
UPLAND AVE  
KENOVA ST  
OLD SILVER HILL RD  
CHERYL LN

## Directly Impacted Streets

LACONA ST  
HILMAR DR  
OFFUT DR  
JOHN ST  
WALTON AVE  
MAXWELL DR  
MORRIS AVE  
GREY EAGLE DR  
PINEVALE AVE  
FORESTVILLE PL  
LEONA ST  
XAVIER LN  
WOODLAND RD  
ELGIN CT  
NANCY LN  
PINEHURST DR  
FORT FOOTE RD  
PUMPHREY DR  
PINEVALE AVE  
FORT FOOTE RD  
LOCKSLEY RD





# Sewer Rehabilitation Methods

## ➤ Sewer Rehabilitation

- Lining
- Pipebursting
- Grouting
- Open-cut Replacement

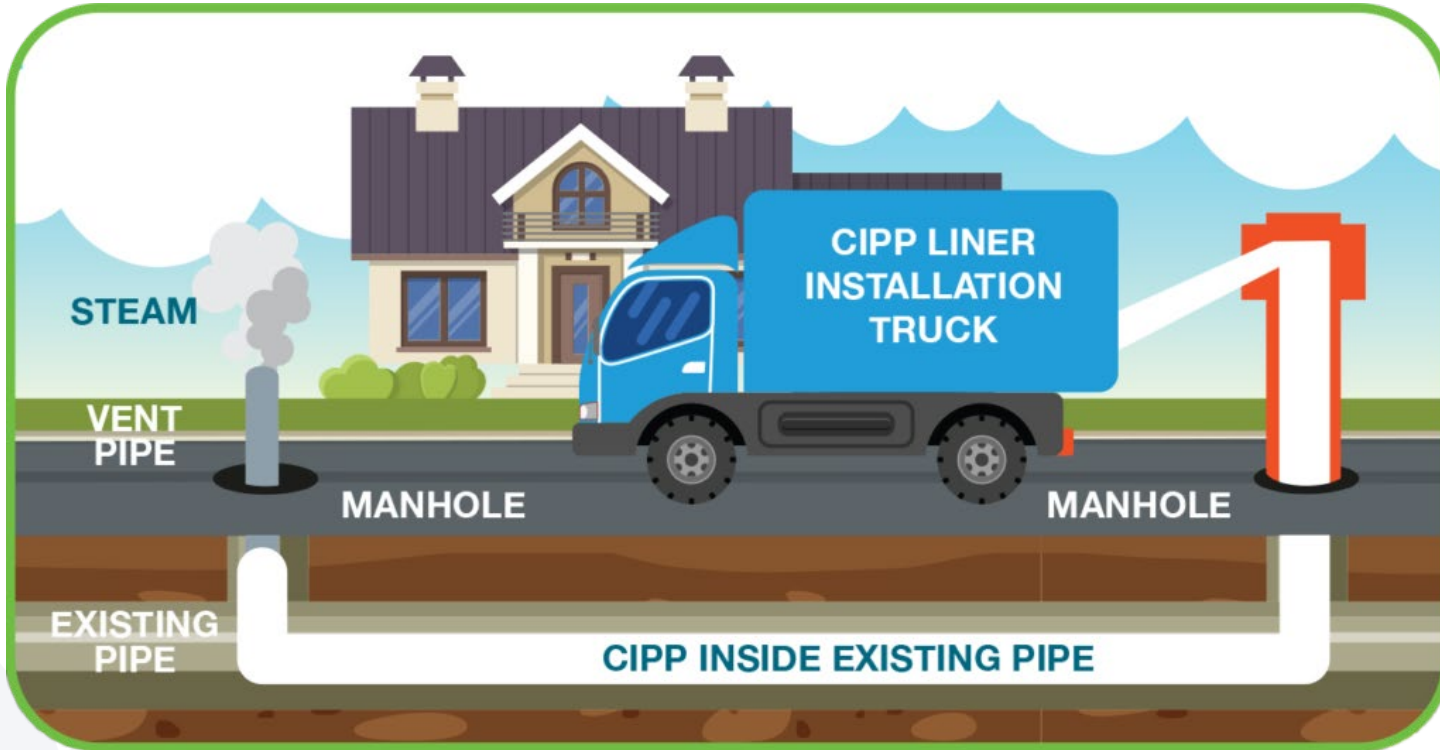


## ➤ Manhole Rehabilitation

- 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: September 2022  
*(Pending Permit Acquisition)*

➤ Estimated Construction Duration: 12 months

➤ Expected Construction Finish Date: July 2023  
*(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 2 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 will be constructed and maintained by WSSC Water until all rehabilitation work is completed.
- Right-of-Entry Agreements from owners of impacted properties will be obtained prior to construction.
- Construction vehicles and bypass pumps will be on the temporary access road occasionally.

# What to Expect During Construction

- Reliable sewer service will be maintained during construction
- Street parking may be limited on streets with active construction.
  - 48-hour 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.
- Tree removal, only when necessary, pruning and/or stump removal.
  - New trees will be planted where trees needed to be removed
  - Property owners will be notified if a tree on their property has to be removed

# 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 (denoted by “No Parking” signs) notice prior to any parking restrictions
  - Any vehicles that have not been removed from the designated area will be towed to a nearby street at no cost to the owner.
- Final restoration of sidewalks, roadways and landscaping will take place within 90 days of construction completion.



# Contact WSSC Water

➤ **Customer Service** | Monday-Friday, 9:00 a.m. to 3:30 p.m.

Phone: 301.206.4001 | 1.800.634.8400

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

Residents will be notified 2 days in advance of activities that would affect their service.

➤ **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**

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



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ASSISTANCE**  
for Our Neighbors



# QUESTIONS?

