



Broad Creek Sewer Rehabilitation Projects

Project No. CRCILR7306B22 and CICRLR7306C22

October 12, 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



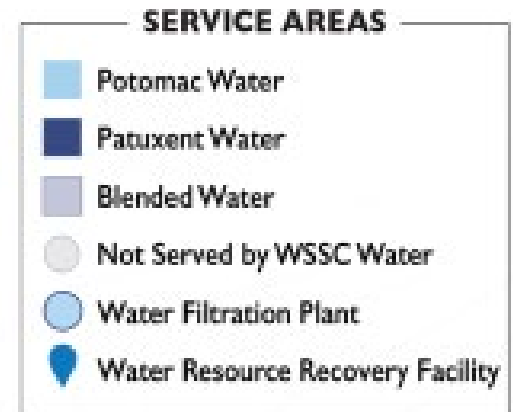
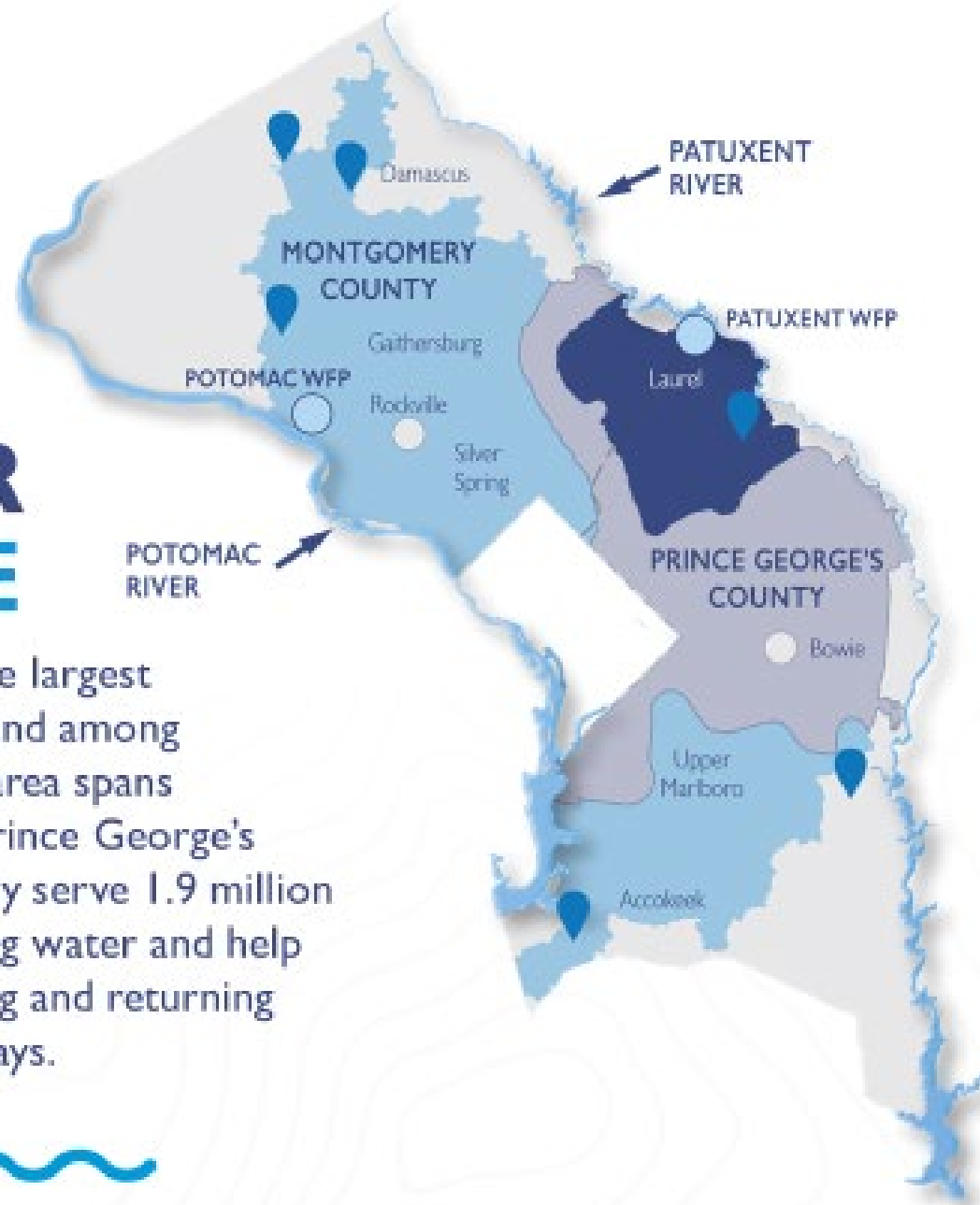
- Steven Jackson, Design Project Manager
301-206-7086, Steven.Jackson@wsscwater.com
- Brian Jenkins Contracts Supervisor (Construction)
202-441-3498, Brian.Jenkins2@wsscwater.com
- Thomas F. Johnson II, Project Outreach Manager
301-206-8542, Thomas.Johnson@wsscwater.com
- Remington & Vernick Engineers, Engineering Design Consultants

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

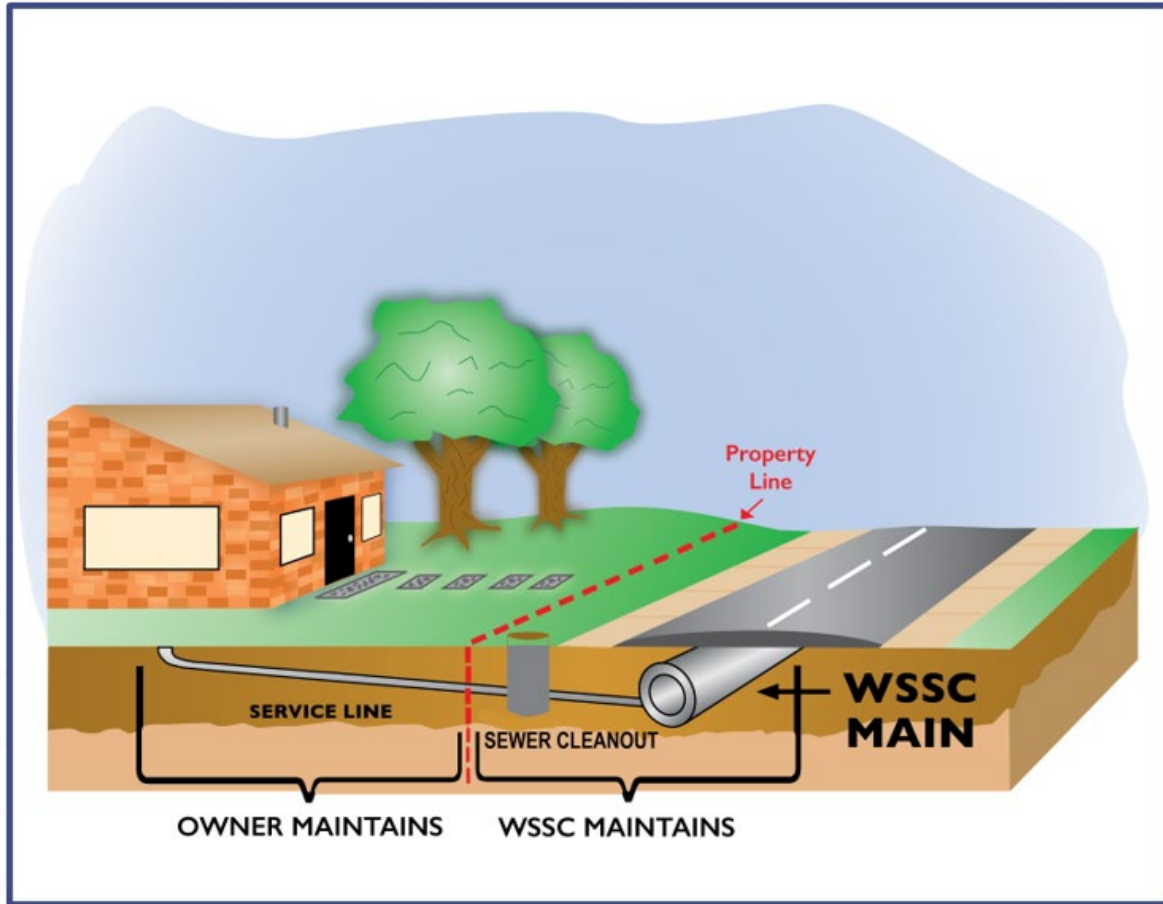
FY2024
PROPOSED BUDGET

Project Overview

- WSSC Water is strategically replacing and rehabilitating aging infrastructure throughout service area
- Project includes replacing approximately **3.28 miles(s)** of sewer mains and **0.55 mile(s)** of house connections to property line
- Approximately **110** 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 with sewer pipes.
- 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 – CTO 72

Directly Impacted Streets

BROAD CREEK DRIVE

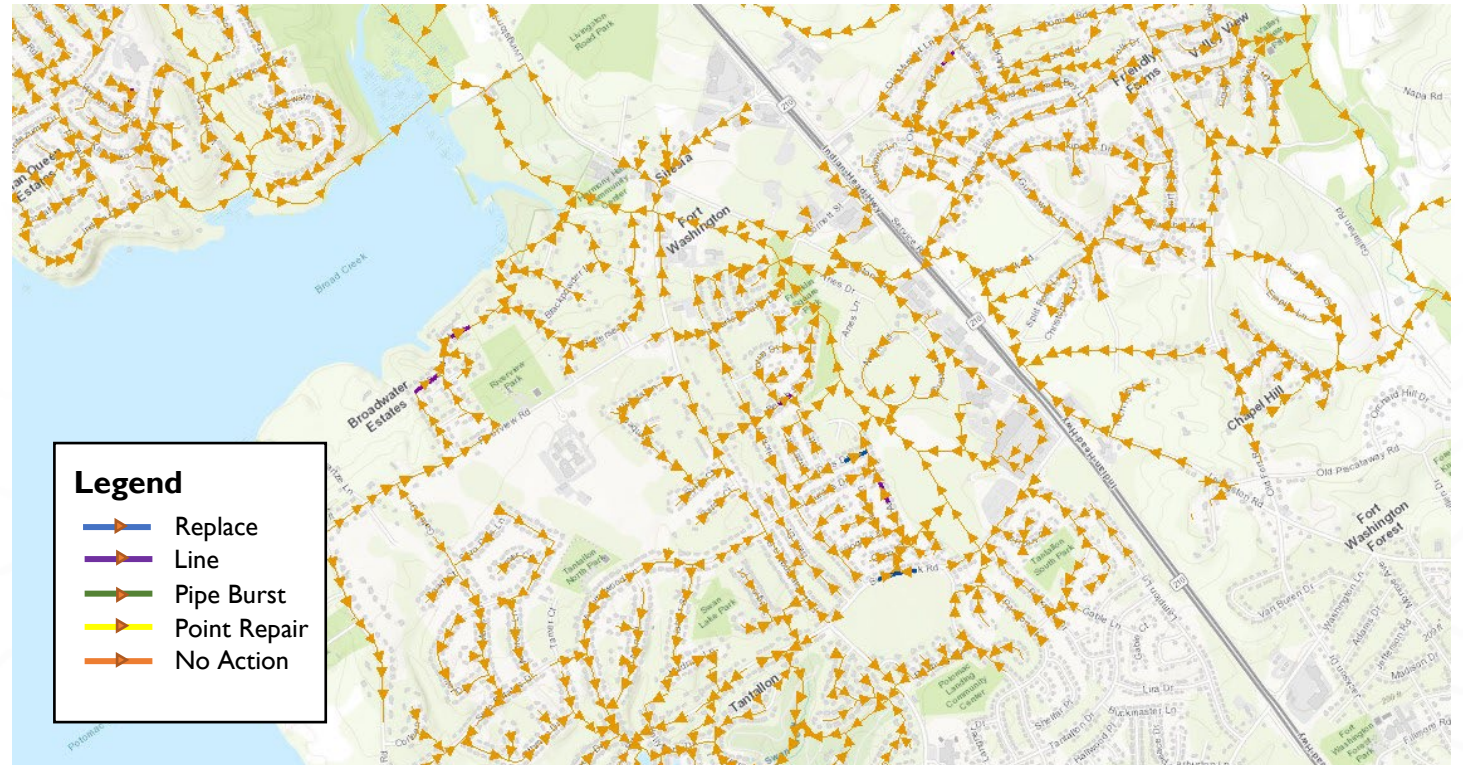
WEDGEWOOD PLACE

SWAN CREEK ROAD

ASBURY DRIVE

BEECH STREET

OLD CANNON ROAD



Project Map – CTO 72

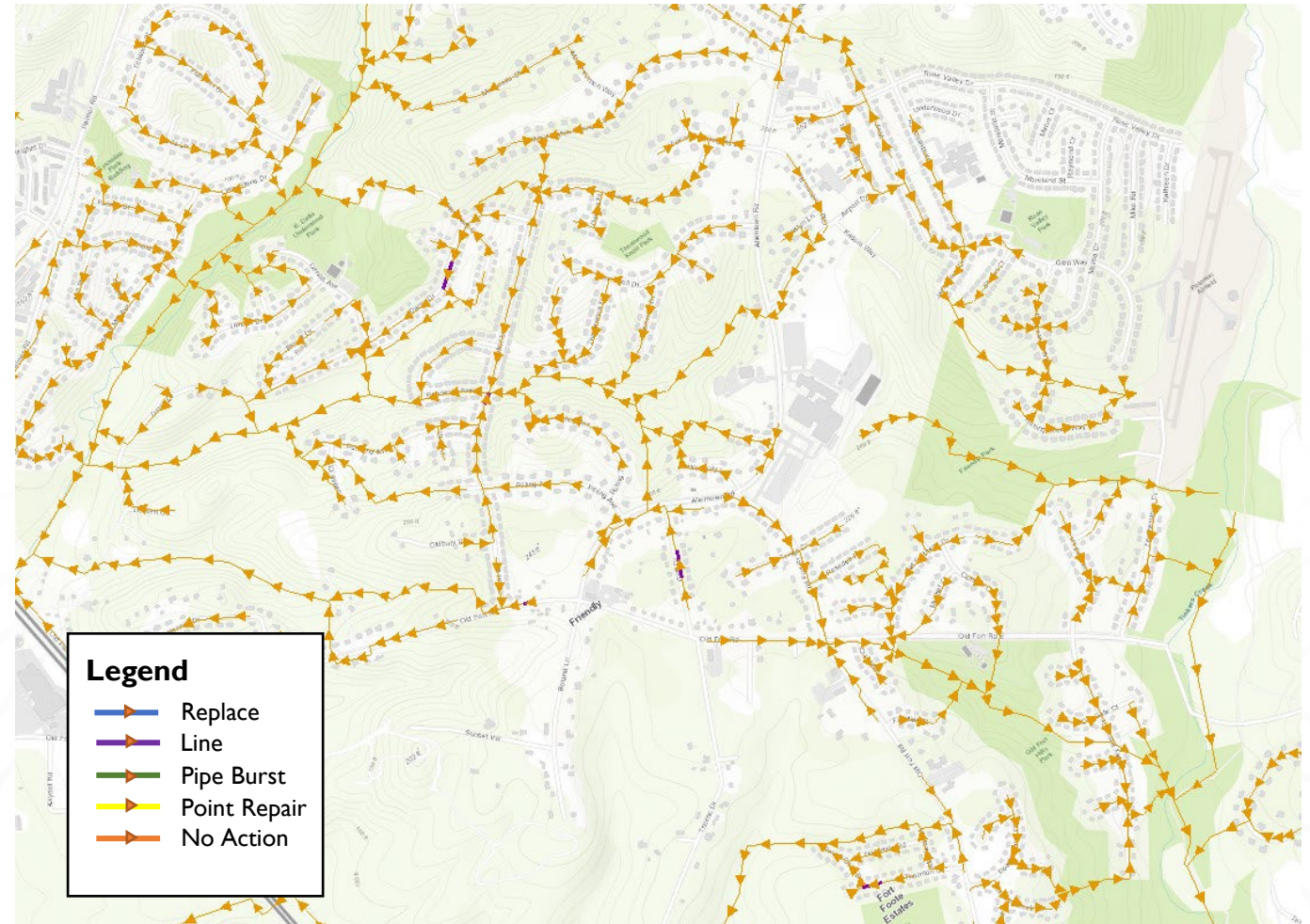
Directly Impacted Streets

OLD FORT ROAD

GRIFF DRIVE

DANIA DRIVE

THORNTON DRIVE



Project Map – CTO 72

Directly Impacted Streets

LIVINGSTON STREET

CAREY BRANCH DRIVE

MURRAY HILL DRIVE

ELROY PLACE

NEVILLE PLACE

TURNER STREET

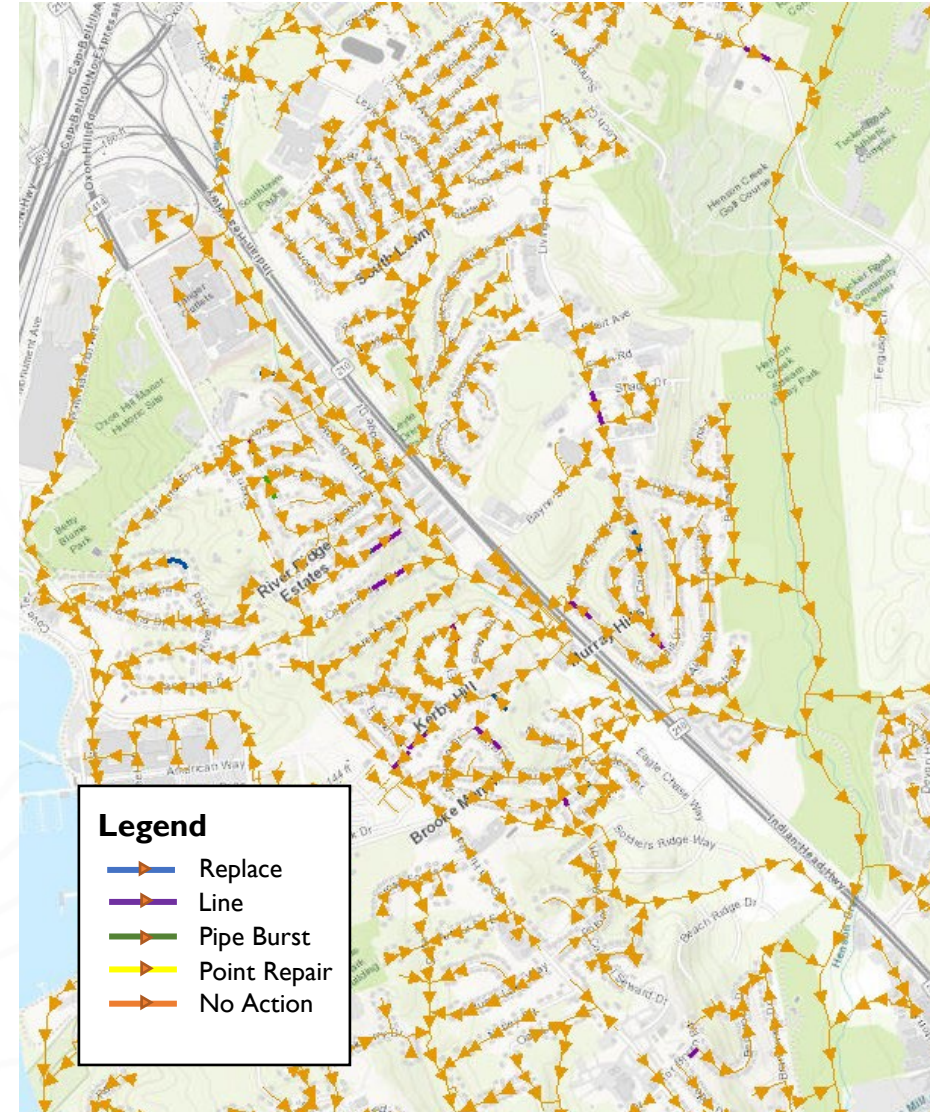
KERBY HILL ROAD

STARDUST PLACE

ABBINGTON DRIVE

CEDAR RIDGE DRIVE

RIVERHILL ROAD

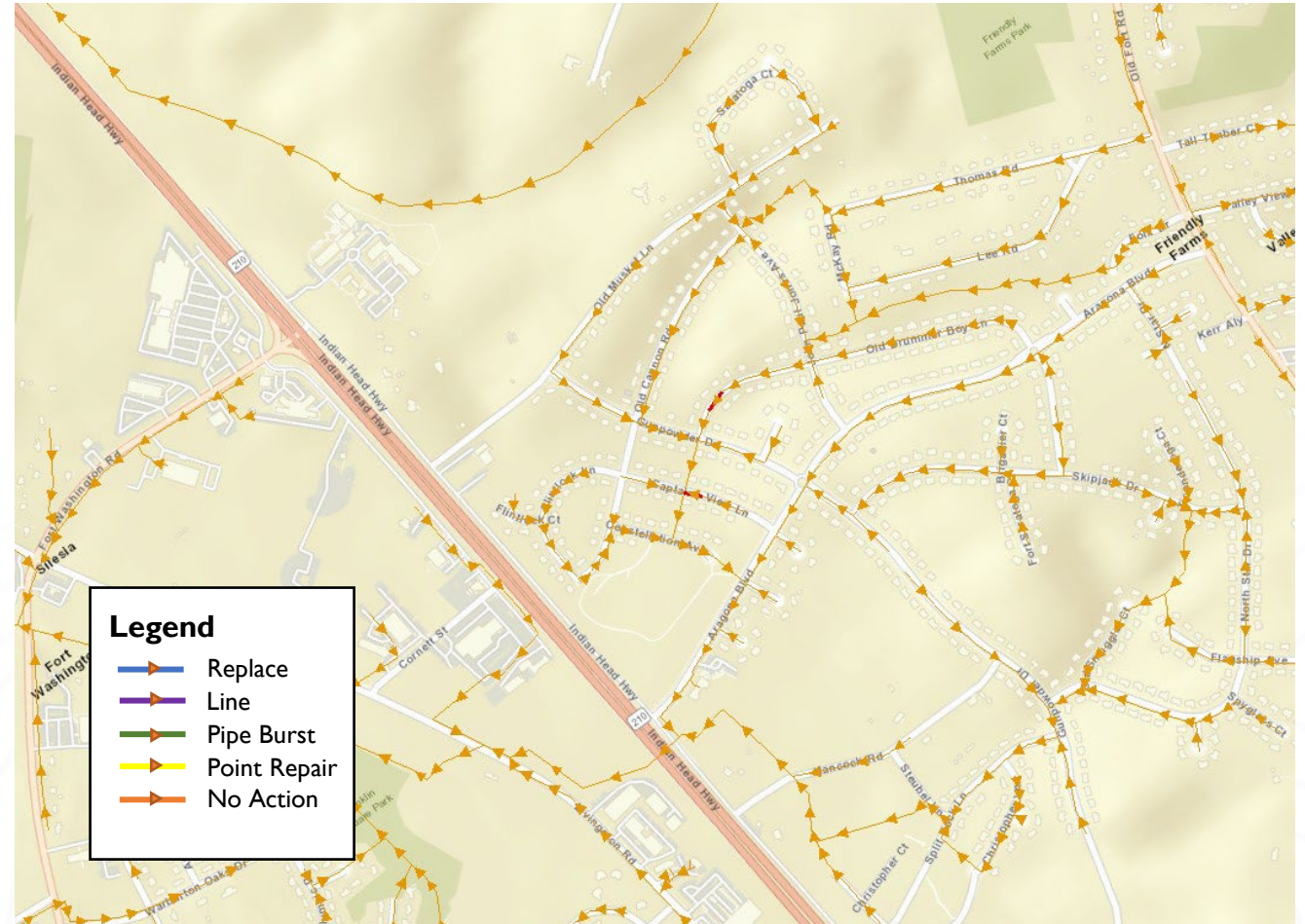


Project Map – CTO 73

Directly Impacted Streets

OLD DRUMMER BOY LANE

FLINTLOCK LANE



Project Map – CTO 73

Directly Impacted Streets

LOCH COURT

MUIR DRIVE

SUNNYSIDE LANE

STIRLING STREET

STIRLING COURT

BOCK ROAD

DULIN DRIVE

WESTFIELD DRIVE

WENTWORTH DRIVE

HAVEN AVENUE

WILMETTE DRIVE

LEYTE DRIVE

WHITE OAK DRIVE

CARSON AVENUE

SHELBY DRIVE

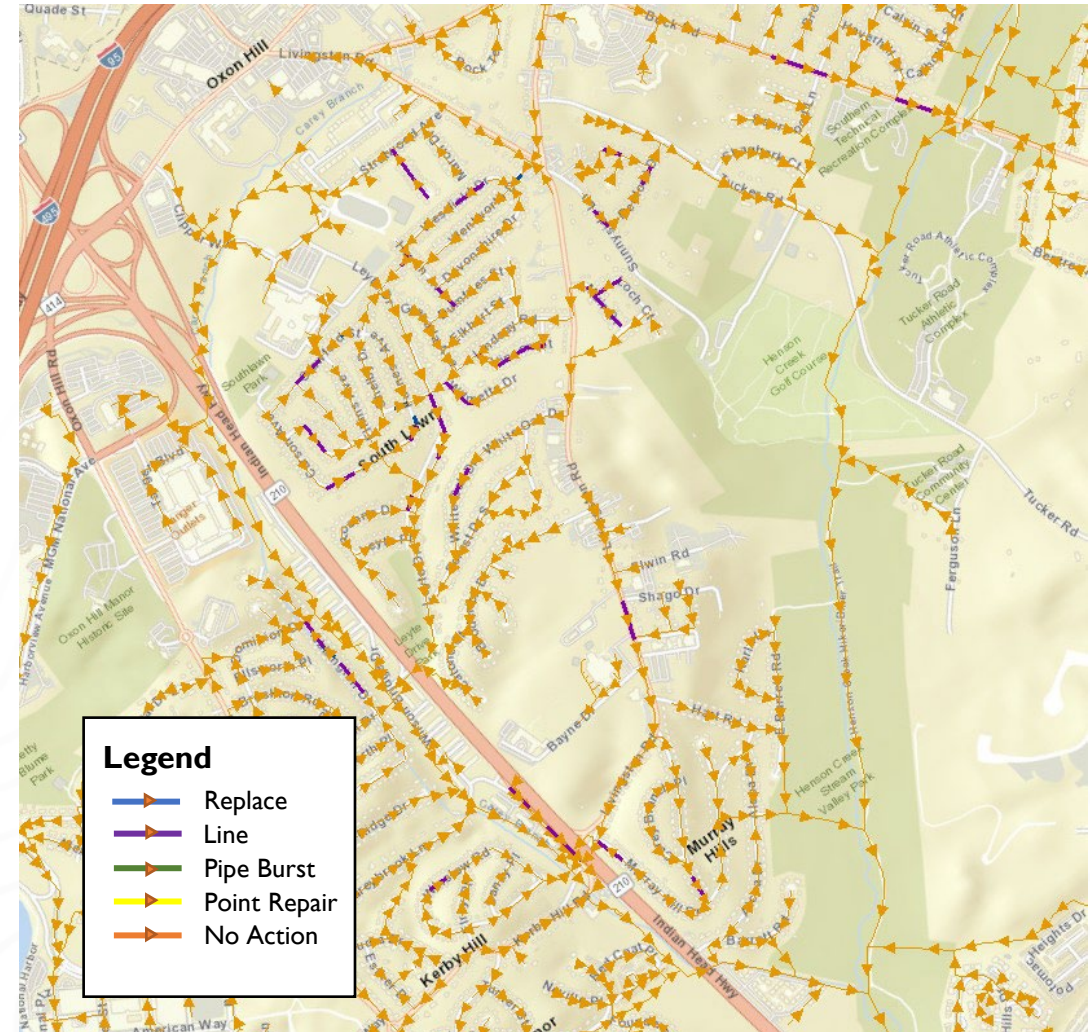
CRAWFORD STREET

LINDSAY ROAD

LIVINGSTON ROAD

ABBINGTON DRIVE

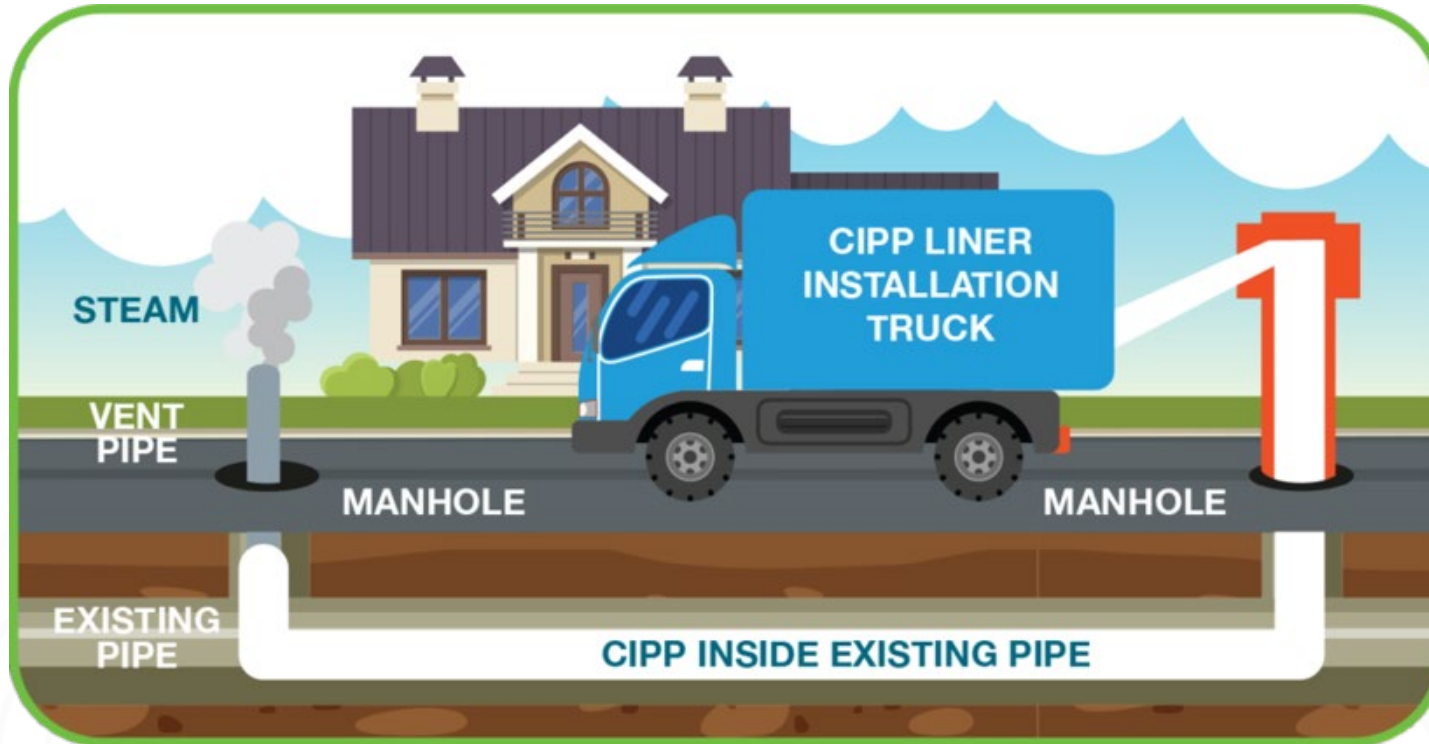
REDFORD DRIVE



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

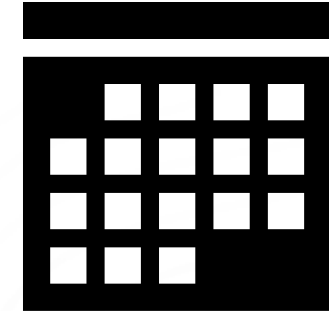


Pipes and Trees
Do not Mix!



Estimated Construction Schedule

- Expected Construction Start Date: Winter 2023
(Pending Permit Acquisition)
- Estimated Construction Duration: 12 months
- Expected Construction Finish Date: Winter 2024
(Weather Permitting)



Estimated Construction Schedule

Anticipated Construction Start: Winter 2023

Estimated Construction Completion: Winter 2024

Construction schedules are estimated and weather permitting

Operational Changes in response to COVID-19

- WSSC Water has implemented protocols that align with recommendations from local, state and federal public health authorities
- Working to minimize impact
 - Facial masks (when indoors) and physical distancing
- All WSSC Water employees and contractors required to refrain from coming to work if displaying symptoms of COVID-19
 - We have implemented robust internal contact tracing and quarantine requirements
- Earlier notification to customers



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



- **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





Questions?

