



BROAD CREEK ROADS SEWER REHABILITATION

Project No. CRCILRLL7303B22, CRCILR7305B22CTO & CRCILR7301B22

September 13, 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



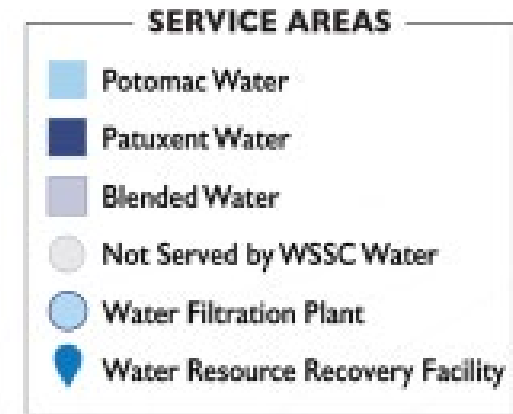
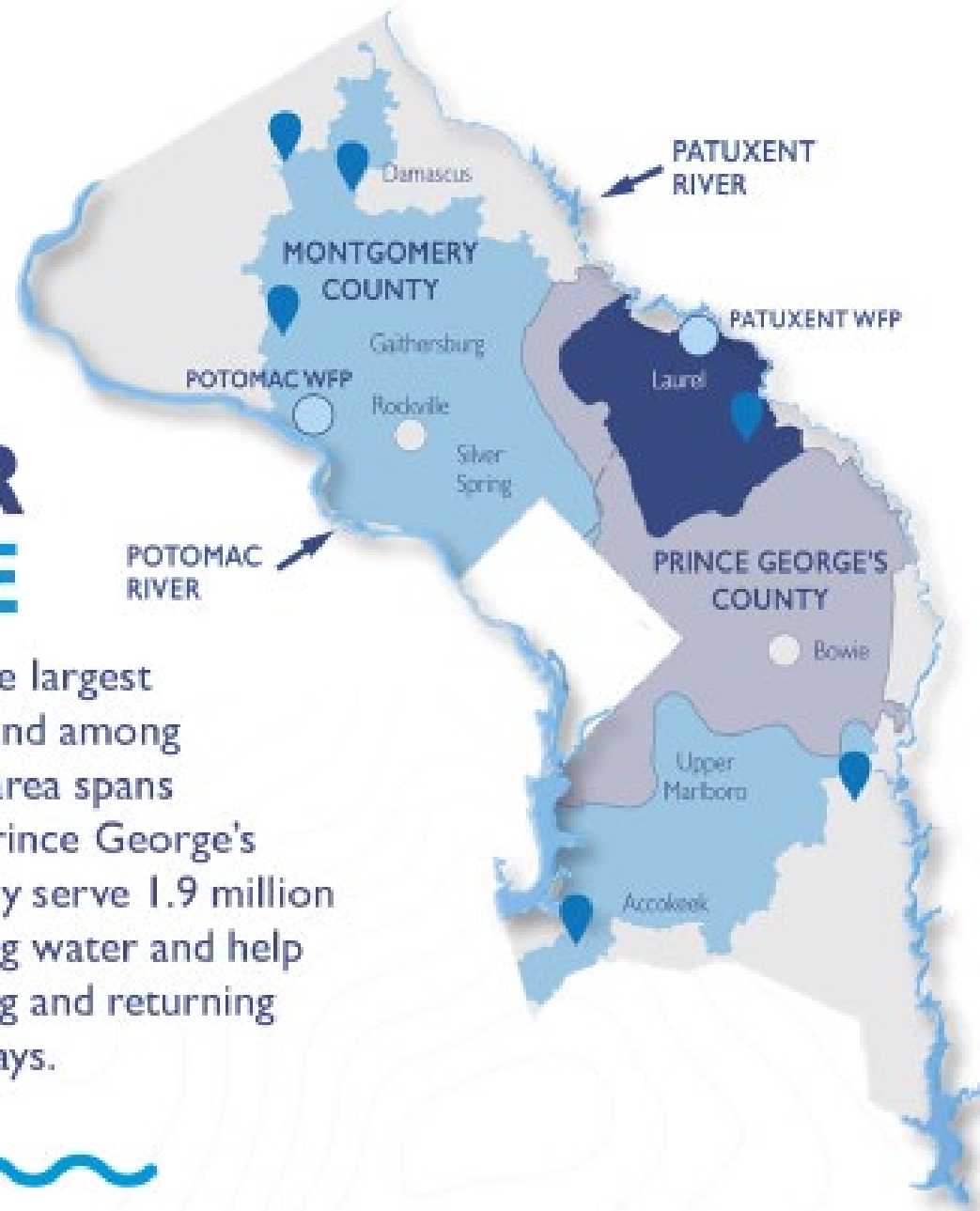
- Walid Halboni, Design Project Manager, 301-206-8732, Walid.Halboni@wsscwater.com
- Derrick Jones, Technical Contracts Supervisor, 301-206-7317, Derrick.Jones@wsscwater.com
- Tim Allen, Technical Contracts Supervisor, 301-206-7299, Tim.Allen@wsscwater.com
- Mike Dobbs, Technical Contracts Supervisor, 301-206-2435, Michael.Dobbs@wsscwater.com
- Dan Hamilton, Construction Manager, 301-206-7316, Dan.Hamilton@wsscwater.com
- Stephen Billingsley, Customer Advocate, 240-444-5803, Stephen.Billingsley@wsscwater.com
- Thomas Johnson, Project Outreach Manager, 301-206-8542, Thomas.Johnson@wsscwater.com
- WM-WTB JV, INC. & Wilson T. Ballard, Engineering Design Consultants.
- ROS Construction Corporation, Construction Contractor
- IPR Construction Corporation, Construction Contractor
- AM Liner 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 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

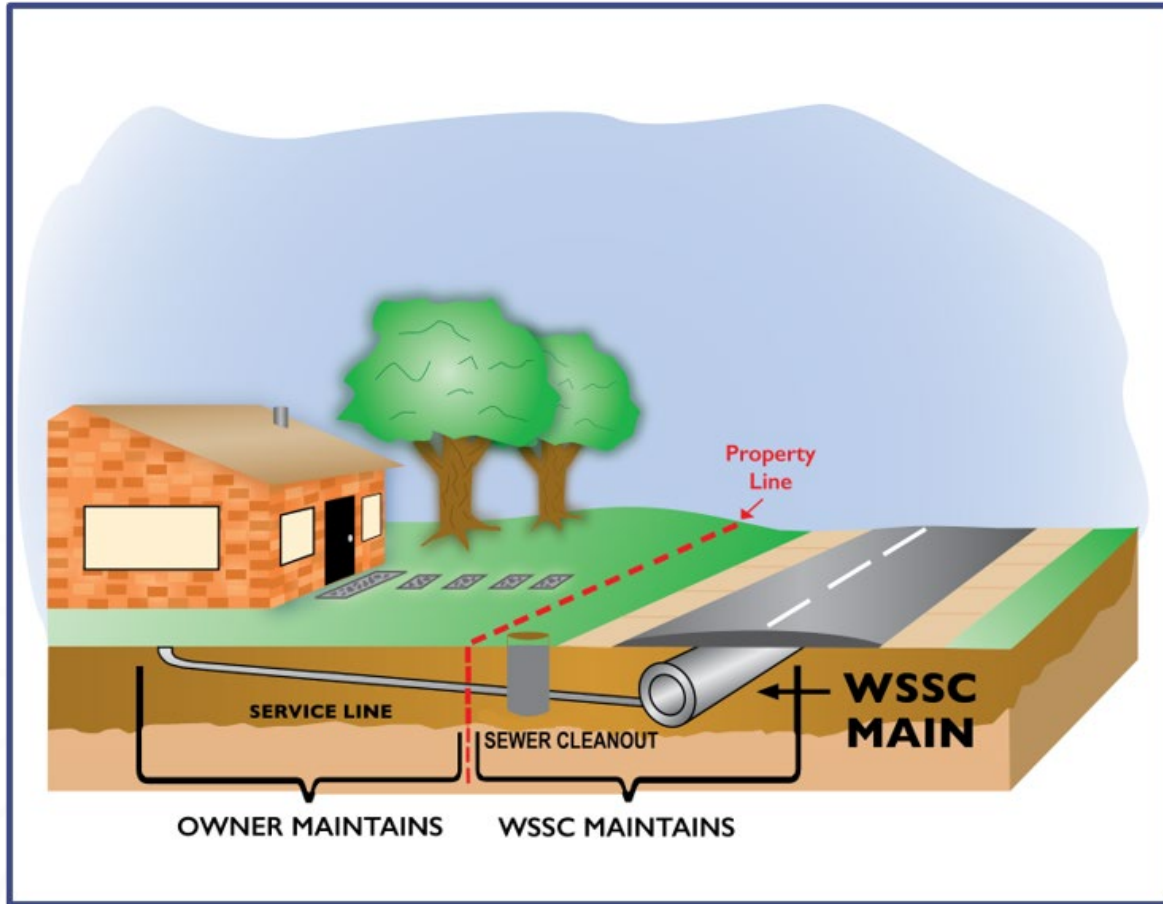
FY2024
PROPOSED BUDGET

Project Overview

- WSSC Water is strategically replacing and rehabilitating aging infrastructure throughout service area
- Project **CRCILRLL7303B22** includes replacing approximately **4.47 miles** of sewer mains and house connections to property line and Approximately **69** manholes will be rehabilitated or replaced.
- Project **CRCILR7305B22** includes replacing approximately **4.33 miles** of sewer mains and house connections to property line and Approximately **75** manholes will be rehabilitated or replaced
- Project **CRCILR7301B22** includes replacing approximately **4.16 miles** of sewer mains and house connections to property line and Approximately **105** 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.



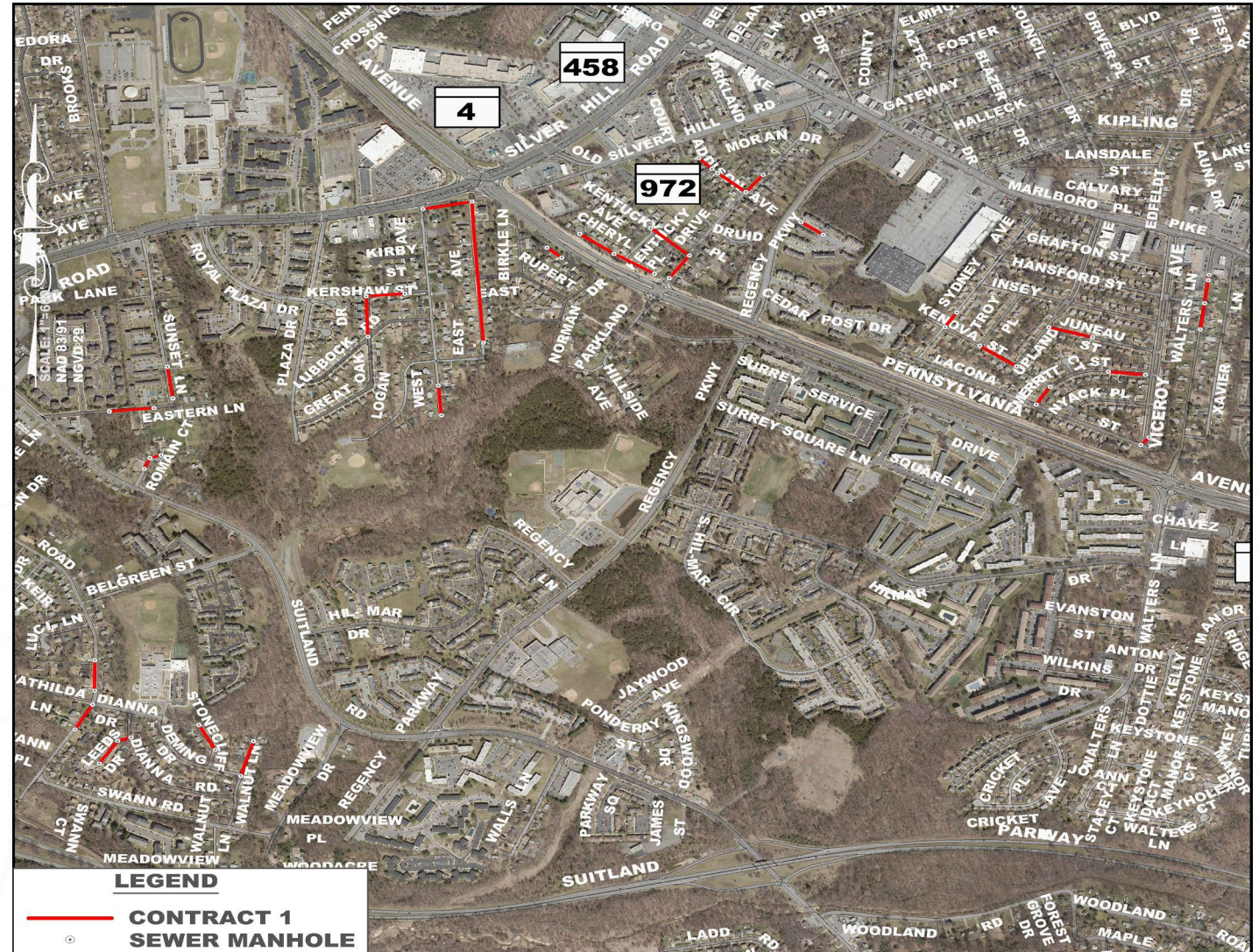
- New sewer mains installed and rehabbed within roadways.
- Sewer house connections (up to the property lines) replaced and reconnected.
- Replacing existing pipes provides for correcting structural deficiencies in sewer mains that may result from soil settlement, root penetration or corrosion, and often contribute to sewer overflows and backups into homes

CRCILRLL7303B22

Project Map

DIRECTLY IMPACTED STREETS

- Addison Avenue
- Cheryl Lane
- Deming Drive
- Dianna Road
- East Avenue
- Eastern Lane
- Great Oak Drive
- Juneau Street
- Kentucky Avenue
- Kershaw Street
- Leeds Drive
- Merritt Street
- Old Silver Hill Road
- Parkland Drive
- Romain Court
- Rose Bay Drive
- Rupert Avenue
- Stonecliff Road
- Sunset Lane
- Swann Road
- Sydney Avenue
- Viceroy Avenue
- Walnut Ave
- Walters Lance
- West Avenue



CRCILRLL7303B22

Project Map

DIRECTLY IMPACTED STREETS

- Auth Road
- Barto Avenue
- Braymer Avenue
- Cable Avenue
- Clayton Lane Drive
- Darel Street
- Delta Lane
- Donna Street
- Dublin Drive
- Elmendorf Drive
- Frank Street
- Goodfellow Drive
- Hil-Mar Drive
- Karen Street
- Lucente Avenue
- Maria Avenue
- Maxwell Drive
- Morris Avenue
- Offut Drive
- Randolph Drive
- Ridgecrest Drive
- Skyline Drive
- Skyline Terrace
- Walton Avenue
- Wilkins Place

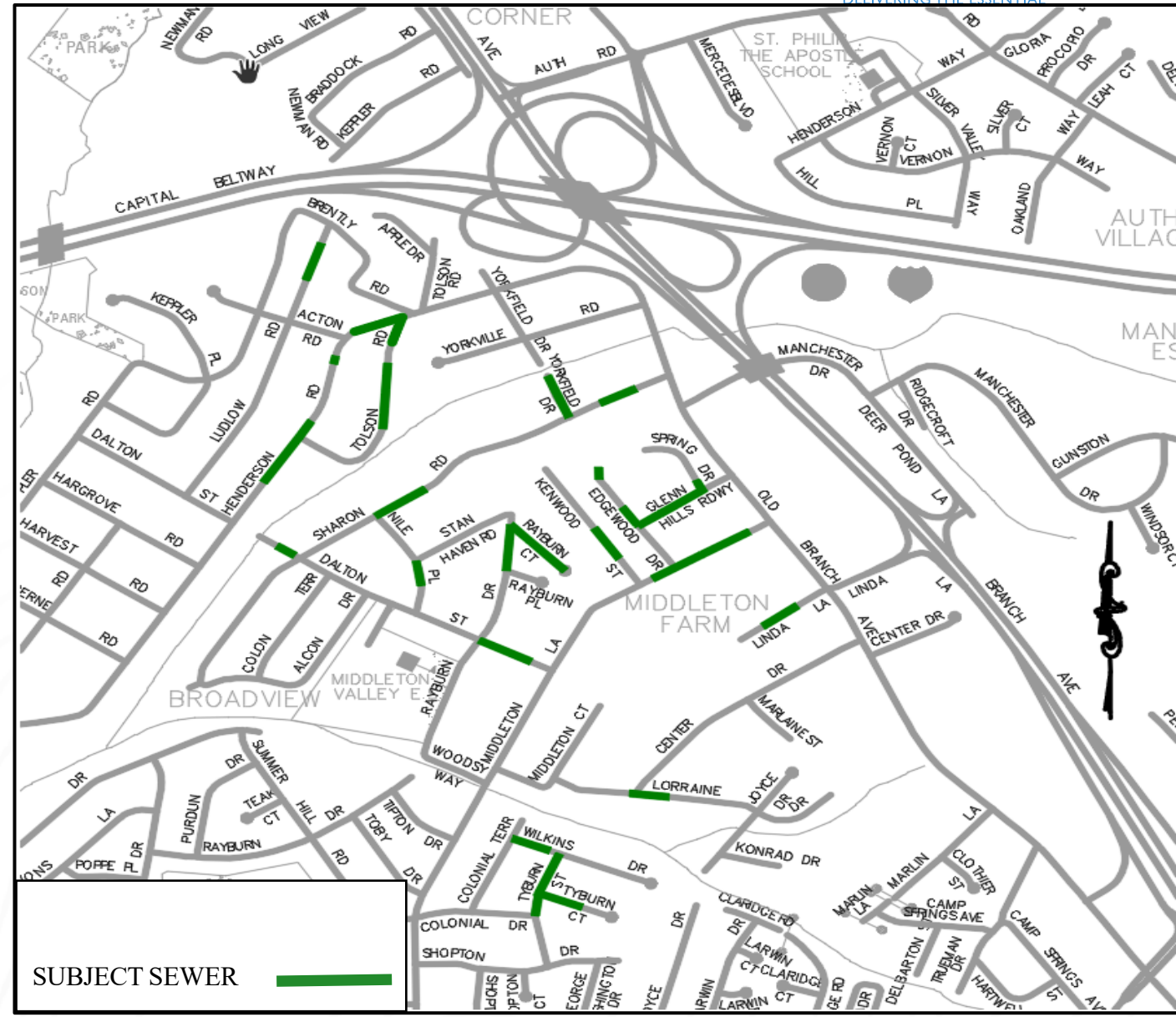


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Project Map

DIRECTLY IMPACTED STREETS

- Ludlow Drive
- Henderson Road
- Tolson Road
- Dalton Street
- Sharon Road
- Nile Place
- Rayburn Drive
- Rayburn Court
- Kenwood Street
- Edgewood Drive
- Middleton Lane
- Springwood Drive
- Glenn Hills Roadway
- Linda Lane
- Lorraine Drive
- Wilkins Drive
- Tyburn Street
- Tyburn Court

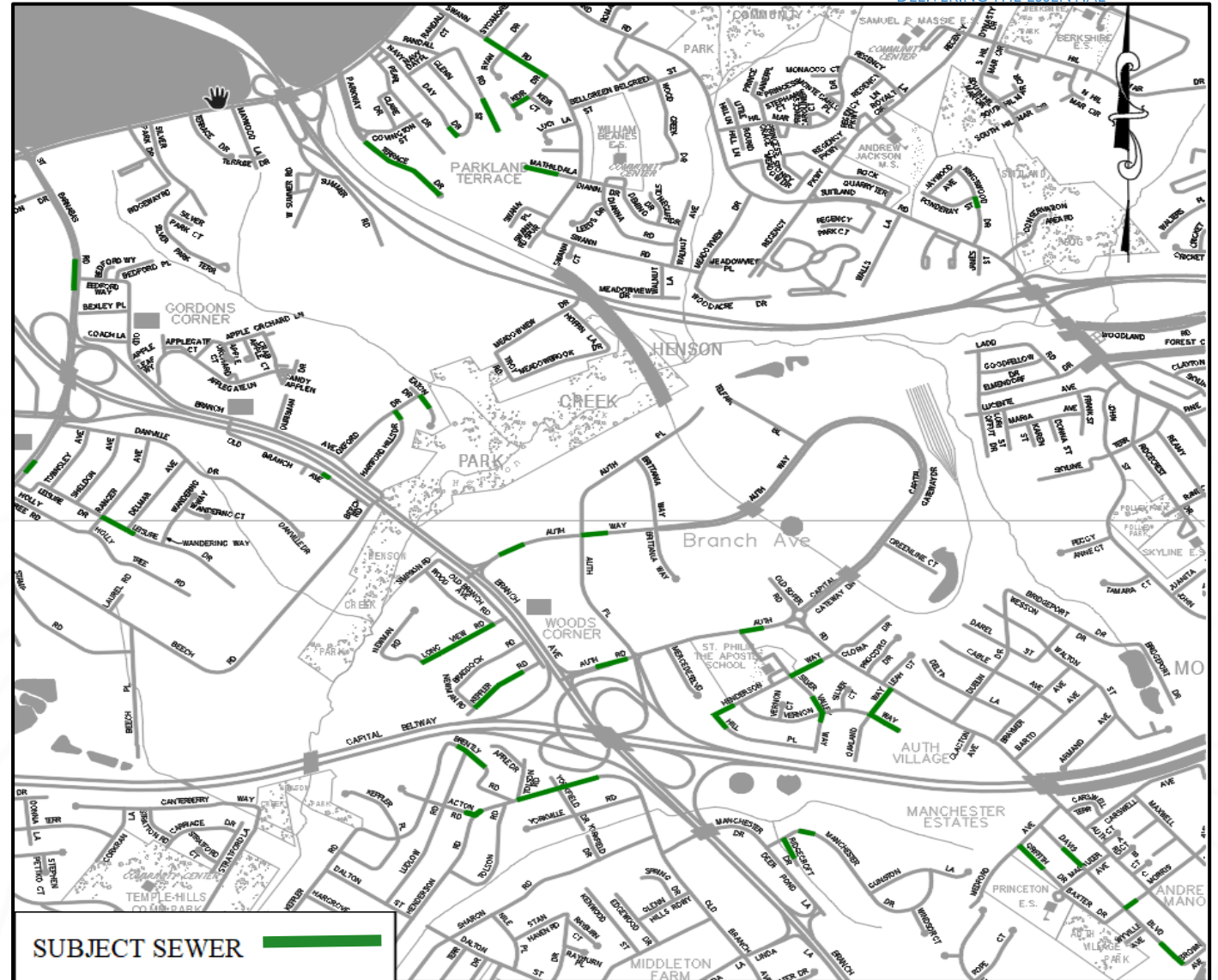


CRCILR7305B22

Project Map

DIRECTLY IMPACTED STREETS

- St. Barnabas Road
- Leisure Drive
- Long View Road
- Keppler Road
- Brentley Road
- Henderson Road
- Acton Road
- Old Branch Avenue
- Manchester Drive
- Ridgcroft Drive
- Davis Boulevard
- Griffith Drive
- Morris Avenue
- Auth Road
- Henderson Way
- Hill Way
- Silver Valley Way
- Oakland Way
- Vernon Way
- Auth Way
- Eaton Drive
- Hartford Hills Drive
- Kingswood Drive
- Parkway Terrace Drive
- Navy Day Drive
- Randall Road
- Swann Road
- Keir Drive
- Mathilda Lane



CRCILR730 | B22

Project Map

DIRECTLY IMPACTED STREETS

- Keppler Road
- Old Temple Hill Road
- Portal Avenue
- Gull Road
- Temple Hill Road
- Lambert Drive
- Walnut Street
- Matthews Drive
- Roberts Drive
- Gifford Lane
- Morton Place
- Beechcraft Court
- Farmer Drive
- Lujan Lane
- Brinkley Road
- Janet Lane
- Cardwell Drive
- Northam Road
- Glen Oak Drive
- Harvest Road
- Hargrove Road
- Crystal Lane
- Botetourt Drive
- John Adams Drive



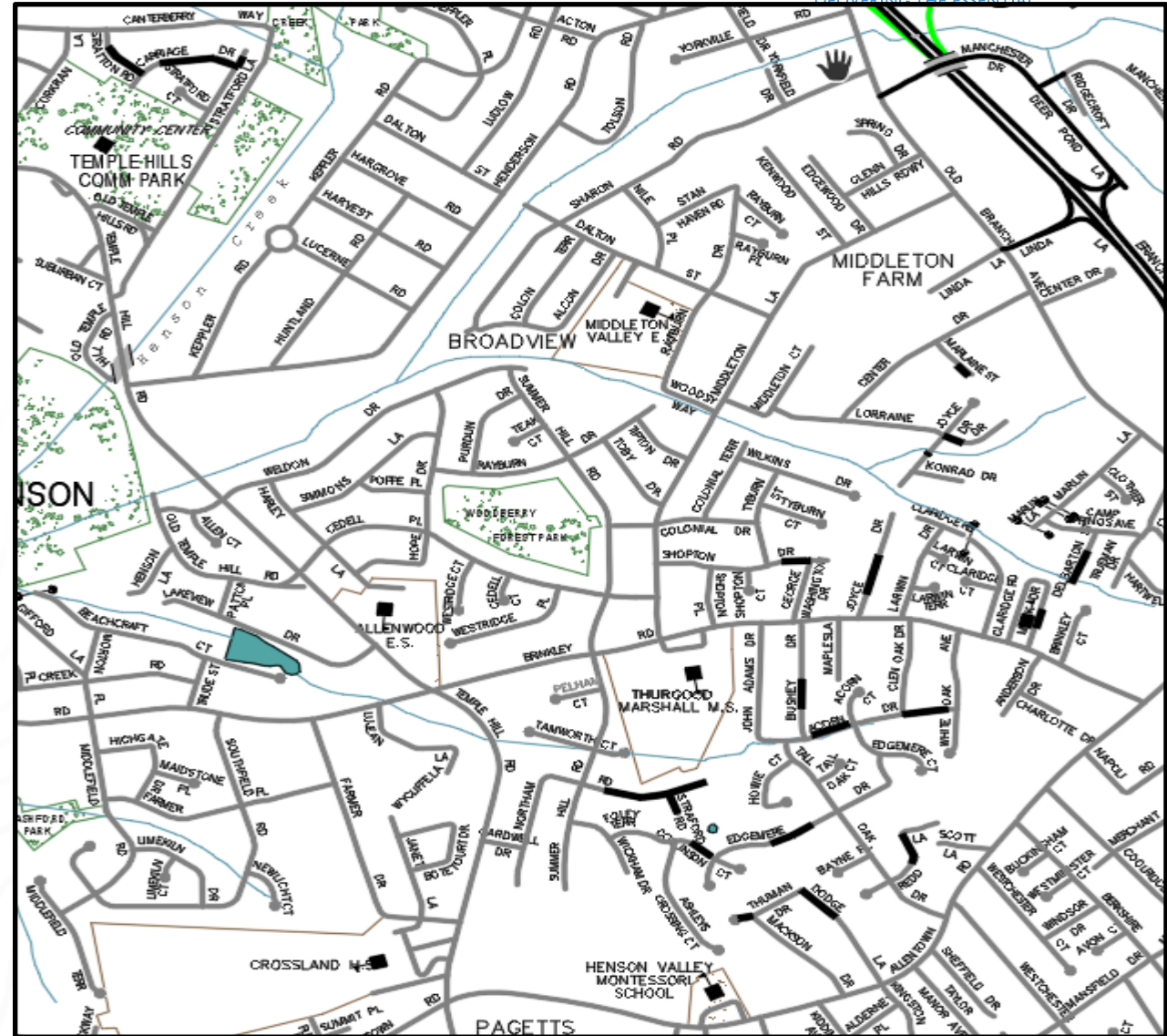
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Project Map



DIRECTLY IMPACTED STREETS

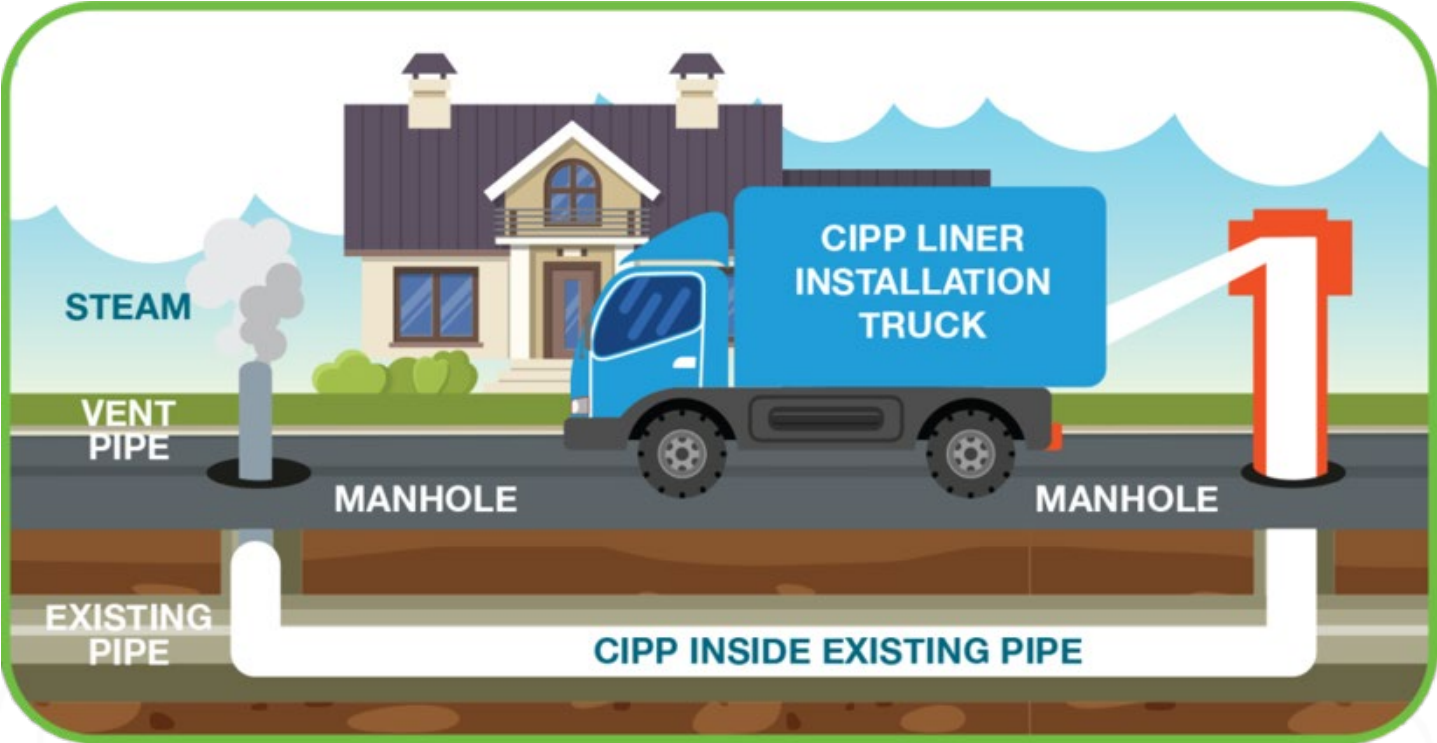
- Carriage Drive
- Stratford Lane
- Stratton Road
- Acorn Drive
- Acorn Court
- Edgemere Drive
- Stratford Road
- Collinson Court
- Dodge Lane
- Redd Lane
- Bushey Drive
- Shopton Drive
- George Washington Drive
- Joyce Drive
- Lorraine Drive
- Northam Road
- Thuman Drive
- Marlain Street
- Delbarton Street
- Mark 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

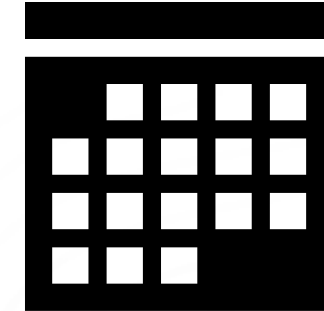


Pipes and Trees
Do not Mix!



Estimated Construction Schedule

- Expected Construction Start Date: Fall 2023
(Pending Permit Acquisition)
- Estimated Construction Duration: Over 2 Years
- Expected Construction Finish Date: Winter 2025
(Weather Permitting)



Construction schedules are estimated and 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 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?

