



# Sanitary Sewer System Rehabilitation in Environmental Sensitive Area (ESA) Oxon Run – Temple Hills

**Job No. CR6811A19**

December 15, 2020

# AGENDA

- Introduction to Project Team
- WSSC Water Overview
- Project Overview
- Project Map
- Estimated Construction Schedule
- What to Expect During Construction
- Project Summary
- Questions & Answers

# Project Team

- Wayne Morris, Project Manager

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- Stephen Billingsley, Customer Advocate

Phone: 240-444-5803, Email: [Stephen.Billingsley@wsscwater.com](mailto:Stephen.Billingsley@wsscwater.com)

- Project Designer, Remington & Vernick Engineers

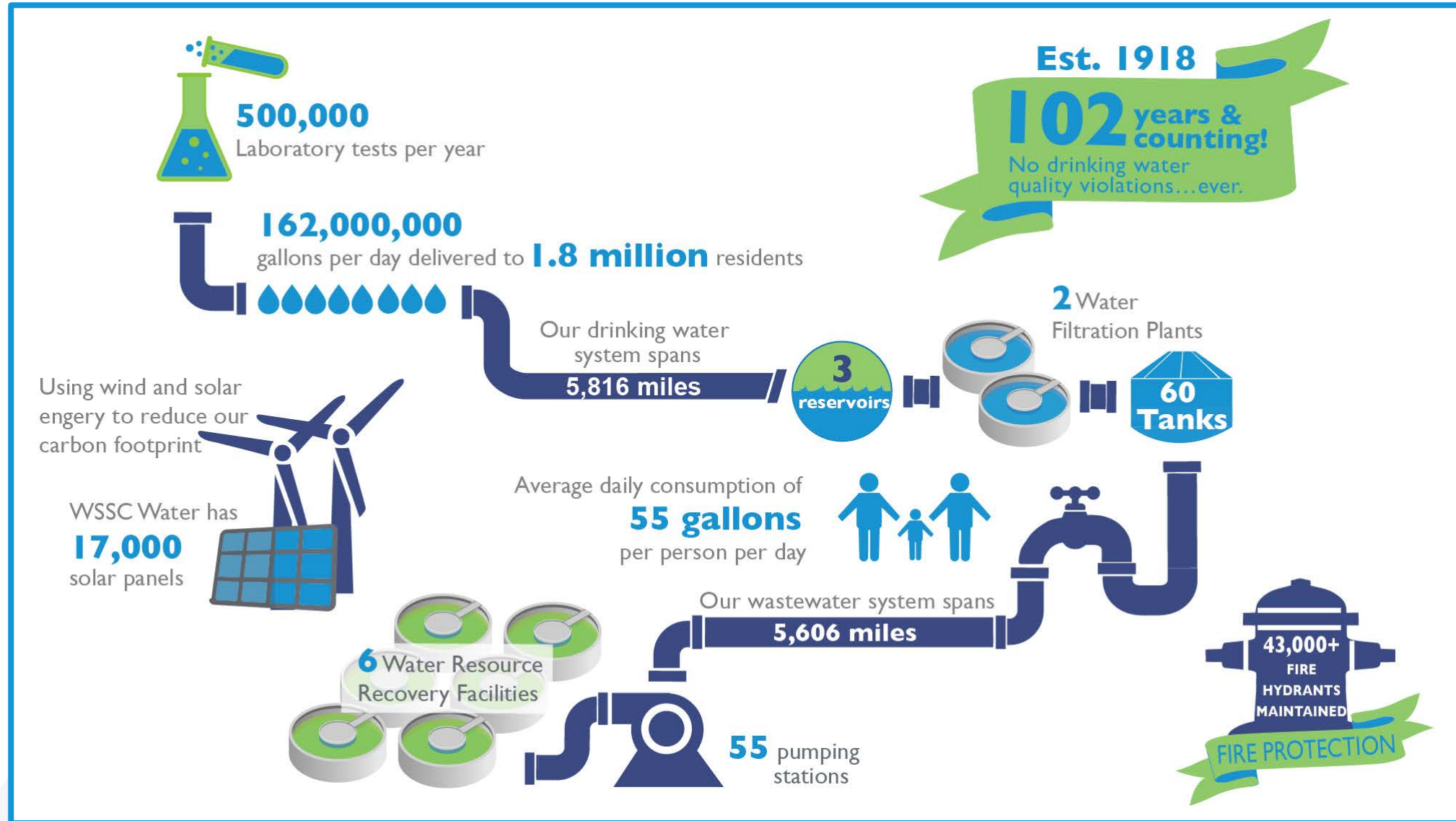
Christopher Fazio, P.E.

Stephanie Cuthbert, P.E.

Timothy Marques



# WSSC Water Overview



# Project Overview

- WSSC Water is strategically replacing and rehabilitating our aging water and sewer pipes throughout our service area, a part of our effort to enhance service and reliability to our customers.
- Sewer pipes and manholes in Environmental Sensitive Area (ESA) will be rehabilitated using primarily Trenchless methods.
- Approximately **2.44** miles of sewer pipes will be rehabilitated or replaced.
- Approximately **51** manholes will be rehabilitated or replaced.
- Pipes and manholes that are in very poor condition will require excavation to replace or repair them.
- Temporary construction access will be constructed.
- Stream will be stabilized at sewer crossing areas.



# Project Overview

## Environmental Sensitive Areas (ESAs)

- Wetlands and Waterways
- Forests
- Critical Areas
- Sensitive Species Habitat
- Historic Properties
- Parklands



# Project Overview



**Above-Grade Manhole in  
Environmental Sensitive Area**



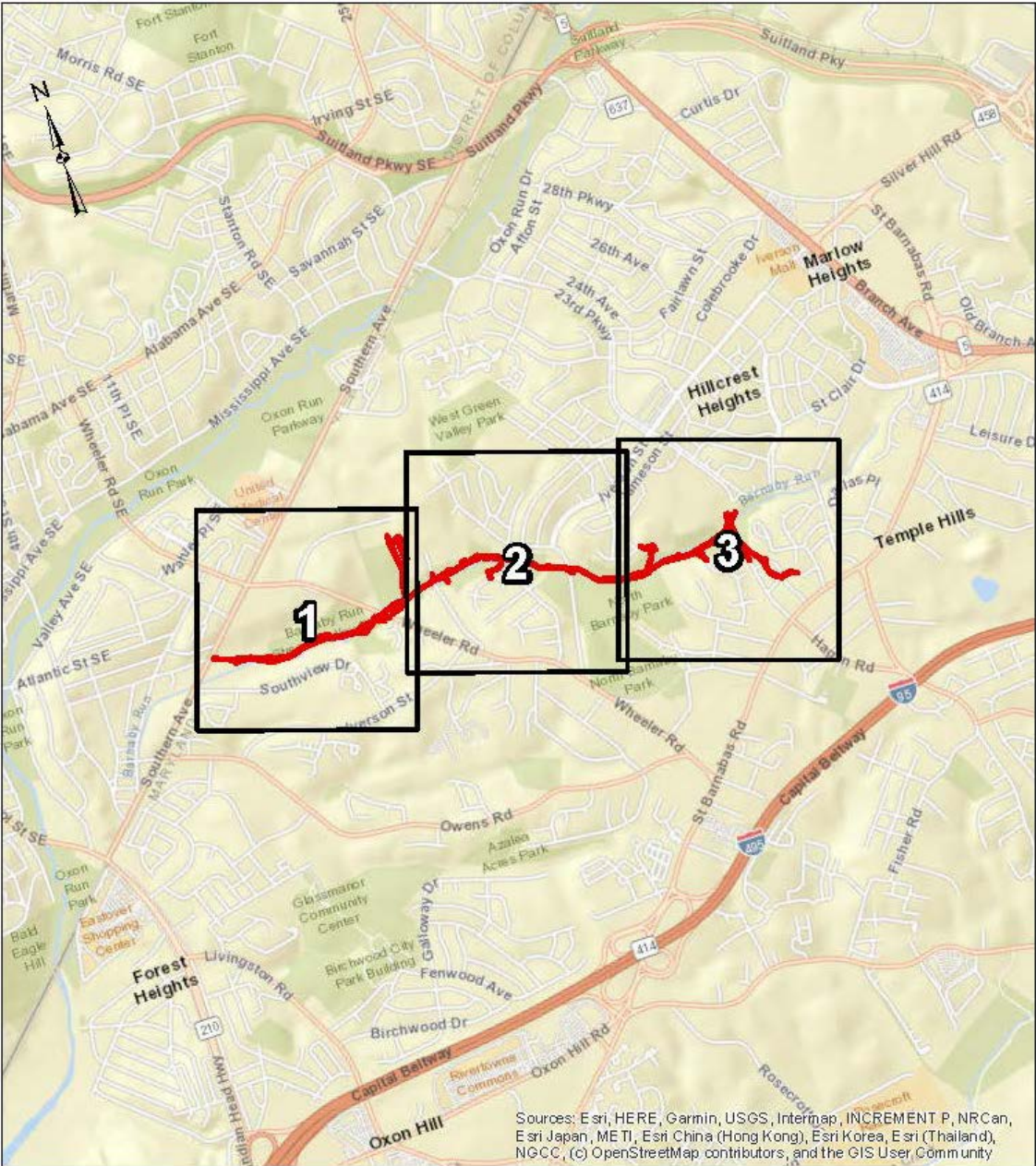
**Exposed Sewer in  
Environmental Sensitive Area**



# Project Map

## Directly Impacted Streets

- Southview Drive
- Wheeler Hills Road
- Hidden Pine Lane
- Southern Avenue
- Calais Court
- Birchtree Lane
- Deer Park Drive
- 23<sup>rd</sup> Parkway
- Sayan Court



Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

**Temple Hills Phase 1  
Improvements  
Project Area**

0 1,250 2,500 5,000 Feet

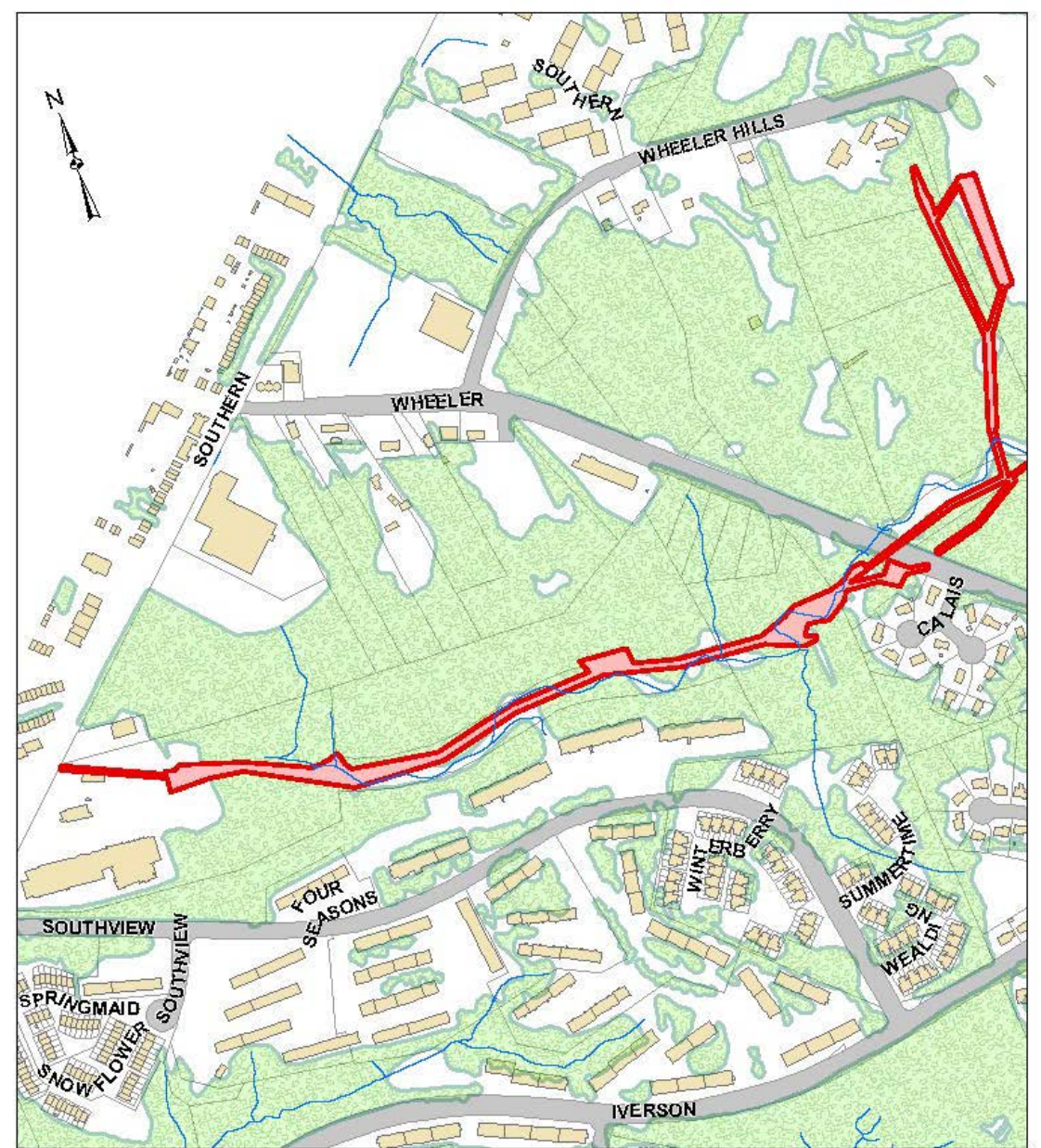
**Legend**  
Project Area



# Project Map

## Directly Impacted Streets

Southview Drive  
Wheeler Hills Road  
Hidden Pine Lane  
Southern Avenue  
Calais Court  
Birchtree Lane  
Deer Park Drive  
23<sup>rd</sup> Parkway  
Sayan Court



### Legend

- |              |           |
|--------------|-----------|
| Stream       | Roads     |
| Project Area | Buildings |
| Tree Canopy  | Parcels   |

0 250 500 1,000 Feet

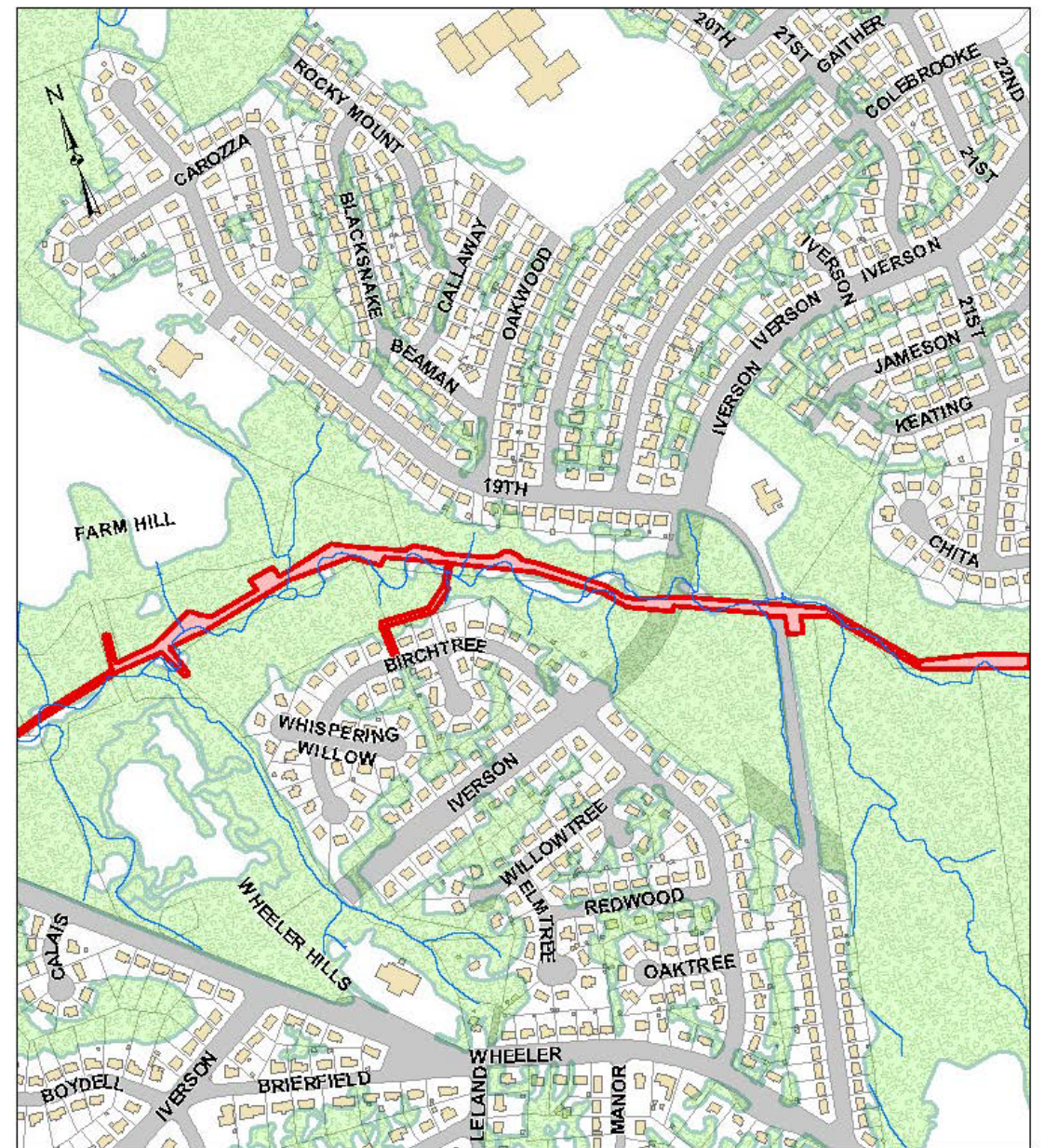
Area: 1



# Project Map

## Directly Impacted Streets

Southview Drive  
Wheeler Hills Road  
Hidden Pine Lane  
Southern Avenue  
Calais Court  
Birchtree Lane  
Deer Park Drive  
23<sup>rd</sup> Parkway  
Sayan Court



### Legend

- |              |           |
|--------------|-----------|
| Stream       | Roads     |
| Project Area | Buildings |
| Tree Canopy  | Parcels   |

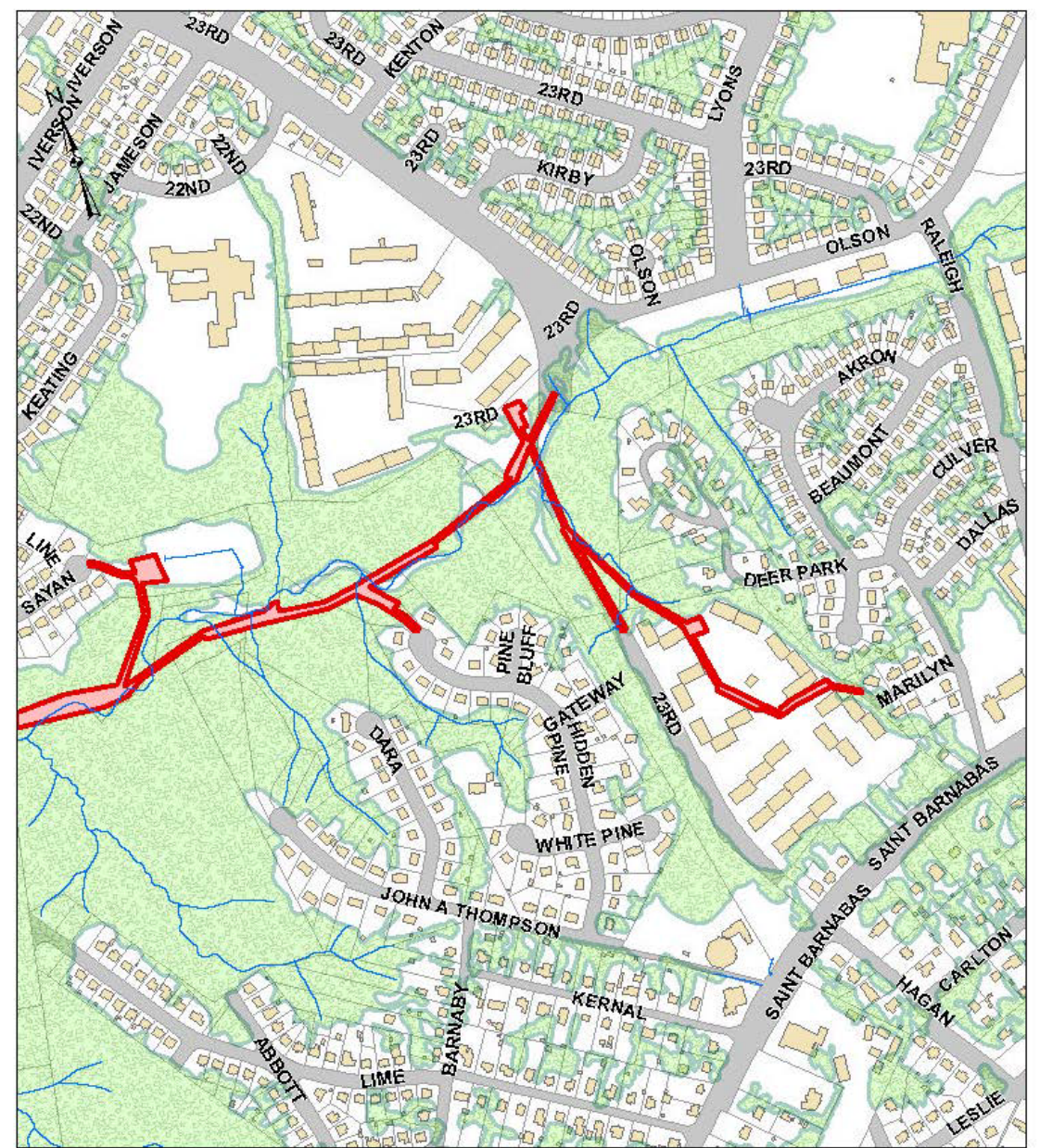
Area: 2



# Project Map

## Directly Impacted Streets

Southview Drive  
Wheeler Hills Road  
Hidden Pine Lane  
Southern Avenue  
Calais Court  
Birchtree Lane  
Deer Park Drive  
23<sup>rd</sup> Parkway  
Sayan Court



### Legend

- Stream
- Project Area
- Tree Canopy
- Roads
- Buildings
- Parcels

0 250 500 1,000 Feet

Area: 3



# Estimated Construction Schedule

Anticipated Construction Start: Fall 2022 (Pending Permit Acquisition)

Estimated Construction Completion: 1 year

*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 and physical distancing
- All WSSC Water employees and contractors are 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
  - Contact via handouts



# What to Expect During Construction

- Anticipated Work Hours: Monday-Friday, 8:00 a.m. – 4:00 p.m.
  - Work may occasionally extend beyond these hours to complete specific tasks.
- Construction activities may include:
  - Field reviews and inspections
  - Survey crews
  - Test pits
  - Construction crews and heavy machinery
- Reliable water and sewer service will be maintained during construction
  - Short water shutdowns of up to 8 hours may be required
  - Advanced notification (48-72 hours) of these shutdowns will be provided





# Sewer Repair Types: Pipe Lining



# Sewer Repair Types: Manhole Rehabilitation



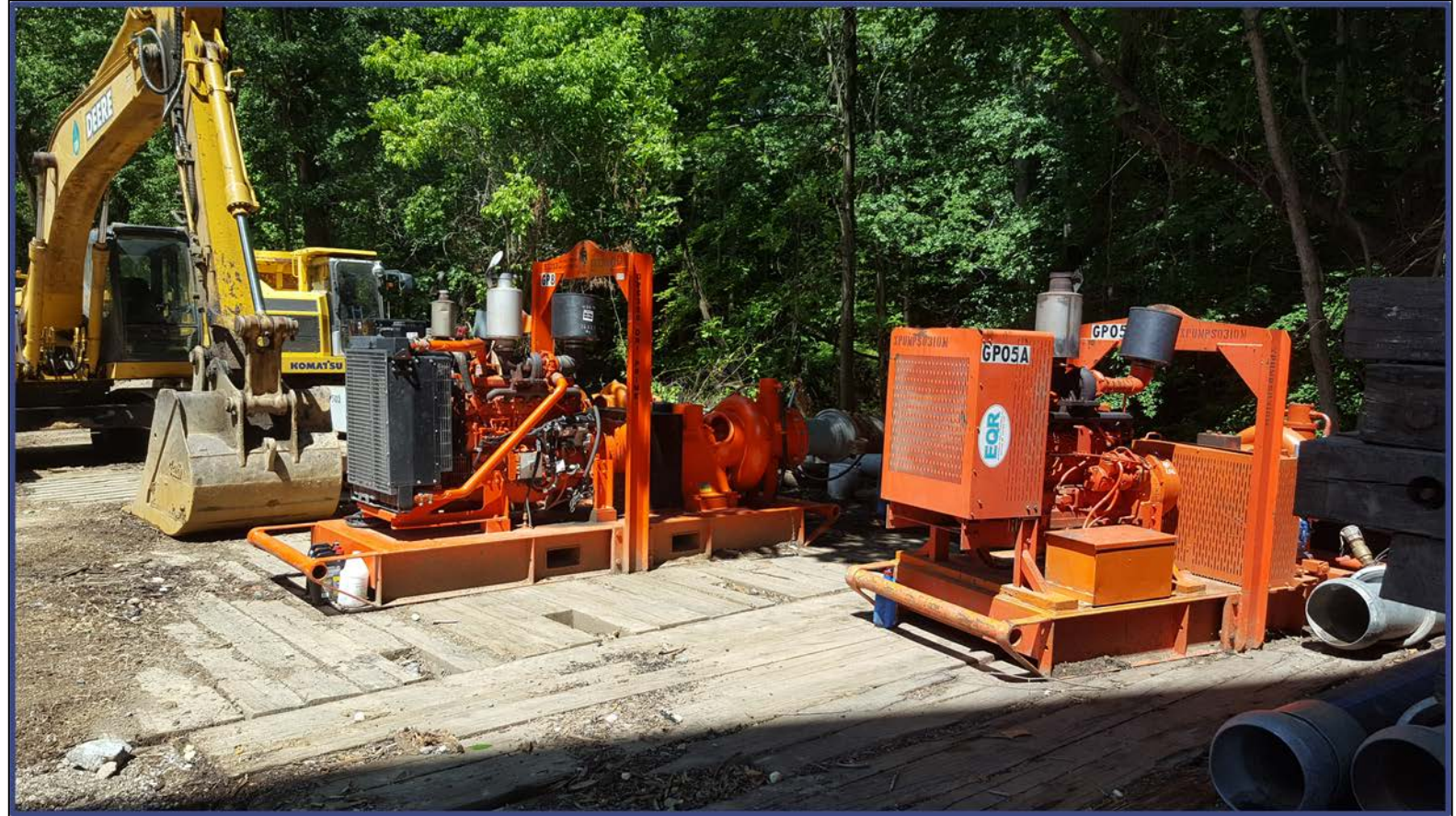


# Bypass Sewer Line





# Construction Staging Area





# Temporary Construction Access



Access Type: Timber Matting



Access Type:  
Temporary Stream Crossing



# 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
- 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.



# Signage and Restoration

- Construction signs with contact persons will be placed throughout the project area
- Projects completed during the winter months will be permanently paved and restored to their original state or better in the following spring.





# Project Summary

- WSSC Water will be rehabilitating pipes, manholes, and some laterals in Environmental Sensitive Area.
- WSSC Water will construct and maintain the temporary construction access until all work is completed.
- WSSC Water will stabilize the stream at sewer pipeline crossing.
- WSSC Water is committed to minimizing the impact of construction.
- WSSC Water will restore all areas impacted by construction activities at the end of the project.
- We understand the inconvenience these types of projects can cause and appreciate your patience as we work to provide safe, seamless and satisfying water and sewer services, for our customers every day.
- Sign-up at [www.wsscwater.com](http://www.wsscwater.com), to receive emails and/or text alerts so you can keep updated on work in your neighborhood.

