



COBB FOWLER SOUTH TRUNK SEWER UPSIZING PROJECT

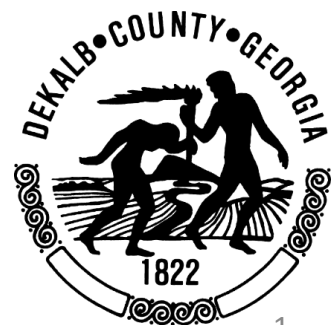
Public Information Open House

Date: March 19th, 2024

Project Email : cobbfowersouthsewer@dekalbcountyga.gov

Project Website : www.CobbFowler.TrunkSewer.com

DWM Project Hotline : 1-800-986-1108 (M.-F. 8.30 a.m. – 5 p.m.)



Agenda



Reasons for Project

- Drivers/Needs
- Problems/Proposed Solutions
- Basis for Cobb Fowler South Project
- Condition of Existing Trunk Sewers

Scope Overview

- Cobb Fowler South Scope Background/Overview
- Impact to Private Properties
- Construction Options
- Project Timeline

Communication Plan

- Virtual Meeting Room/Website
- Method of Communication



- DeKalb County - Entered into Modified Consent Decree (MCD) in 2021, Included Specific Projects and Milestones
- The Cobb Fowler South Trunk Sewer Project – Critical Path
- Completion Milestone Under the Current MCD - December 2028
- Cobb Fowler - Part of Capital Improvement Project (CIP)
- Sewer Master Plan - Identified Numerous Trunk Sewers that Require to Carry 2050 Projected Flows

DRIVERS/ NEEDS

Priority Fix List (PFL) Sites

- 2 PFL Sites in Area
- 9 Major SSO Sites in Area
- Major Future Capacity Issues in Cobbs Creek Basin

Excessive I/I
(Inflow/Infiltration)

Aged Infrastructure
(Installed in 1960s)

Growth - Lack of
Capacity

Operational Efficiencies
(Reverse Slope, Exposed
Pipe, Stream Bank, etc)

Benefits to Our Shared Environment

- ▶ The County understands the connection between a quality sanitary sewer system and a healthy environment.
- ▶ Eliminating sewer spills from the County's rivers and streams is key to improving our aquatic environment
- ▶ The ecological health of our water resources benefits both the environment and our citizens.



Benefits of the Consent Decree



BENEFITS

JOB CREATION

Priority Area Rehab and Trunk Sewer Projects will:

- ▶ Create an estimated 1,891 jobs from 2021 through 2026.

ALLOW GROWTH AND DEVELOPMENT

New Connections

- ▶ Since 2017, there have been 1,551 requests to connect to the sewer system
- ▶ 379 are pending approval
- ▶ These represent delays to new commercial developments.

PLANNED GROWTH

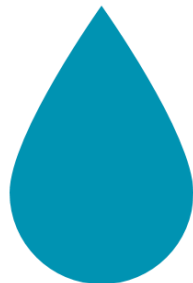
By 2050:

- ▶ Population served to be an estimated 900,000
- ▶ Employment in the County's service area to be approximately 640,000.



SUPPORTING GROWTH & DEVELOPMENT

Sewer connections allow new residents and increased employment



YEAR	SERVICE AREA POPULATION ⁽¹⁾	SERVICE AREA EMPLOYMENT ⁽¹⁾
2020	695,282	514,037
2030	755,525	561,264
2040	832,390	585,634
2050	904,379	637,893
2060	972,697	718,974
2070	1,041,015	773,028

(1) Source: DeKalb County Sewer Master Plan (2020)

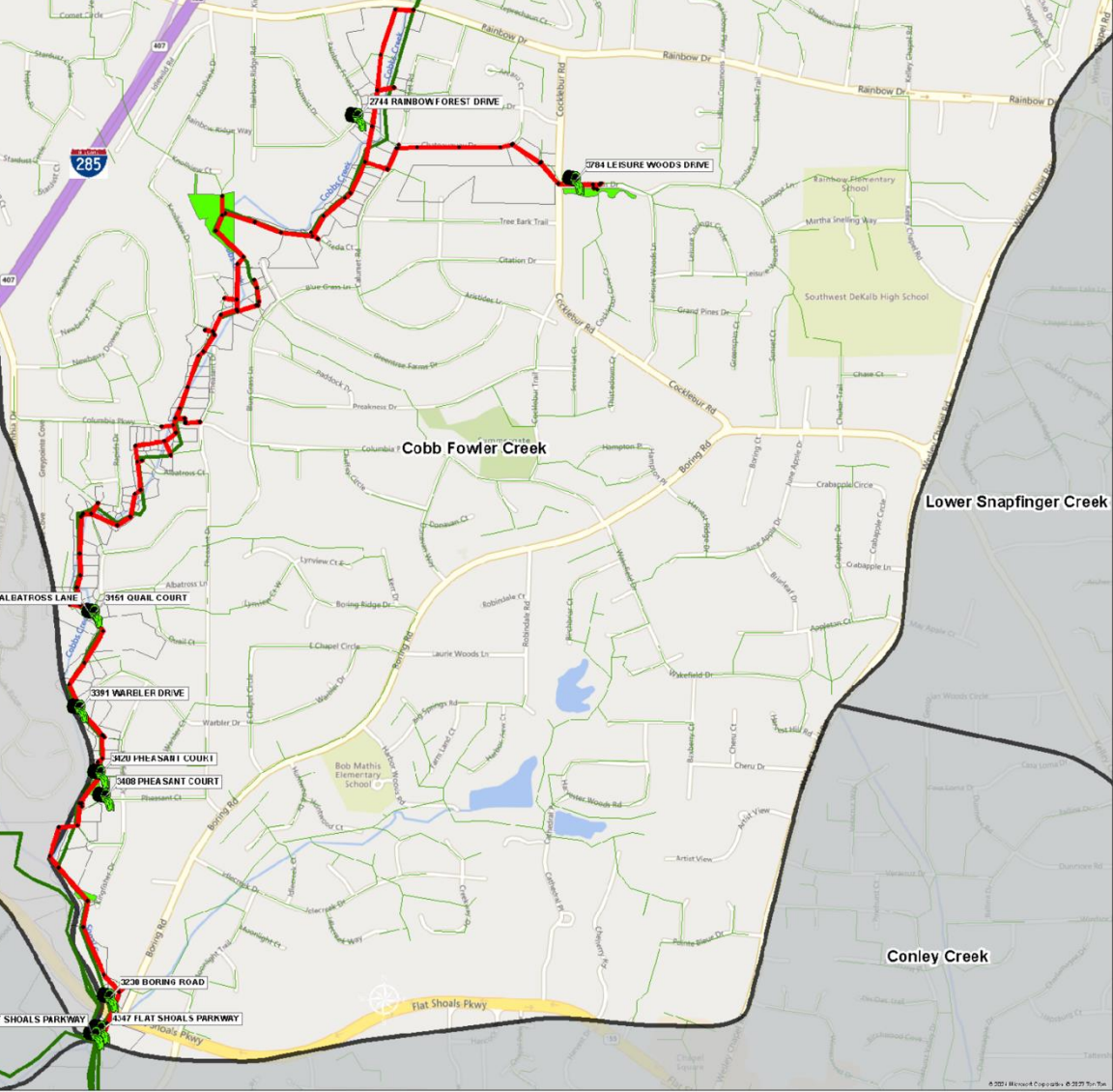
History of Capacity Related Sanitary Sewer Overflows (SSOs)



- Cobb Fowler South Project associated with 9 Sanitary Sewer Overflow (SSO) Sites and 2 PFL Sites
- Per MCD – PFL Sites Need Adequately Fixed by Dec 2028
- These SSO Sites – Significant Current Spill Concerns and Future Capacity Concerns

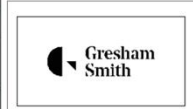
Address	Total SSOs*	Total Estimated SSO Volume (gal)
2744 RAINBOW FOREST DRIVE	1	2,908
3784 LEISURE WOODS DRIVE	2	2,920
3109 ALBATROSS LANE	1	92,480
3151 QUAIL COURT	1	8,000
3391 WARBLER DRIVE	12	2,440,303
3420 PHEASANT COURT	1	199,703
3408 PHEASANT COURT	1	1,720
3230 BORING ROAD **	17	1,831,189
4347 FLAT SHOALS PARKWAY **	2	553,902
*SSO Occurences since 2013	Total SSO Volume:	5,133,125 gallons
**PFL Site		

) Sites – Cobb Fowler



Legend

- SSOs
- Sewer Basins
- Manholes
- Cobb Fowler Trunk Sewer
- 24in. Greater Trunks
- DeKalb County Property
- Parcels Along Route
- Sewer Gravity Mains



**Cobb Fowler Trunk Sewer
Upsizing Project**



**DeKalb County
GEORGIA**

**WATER
Matters**

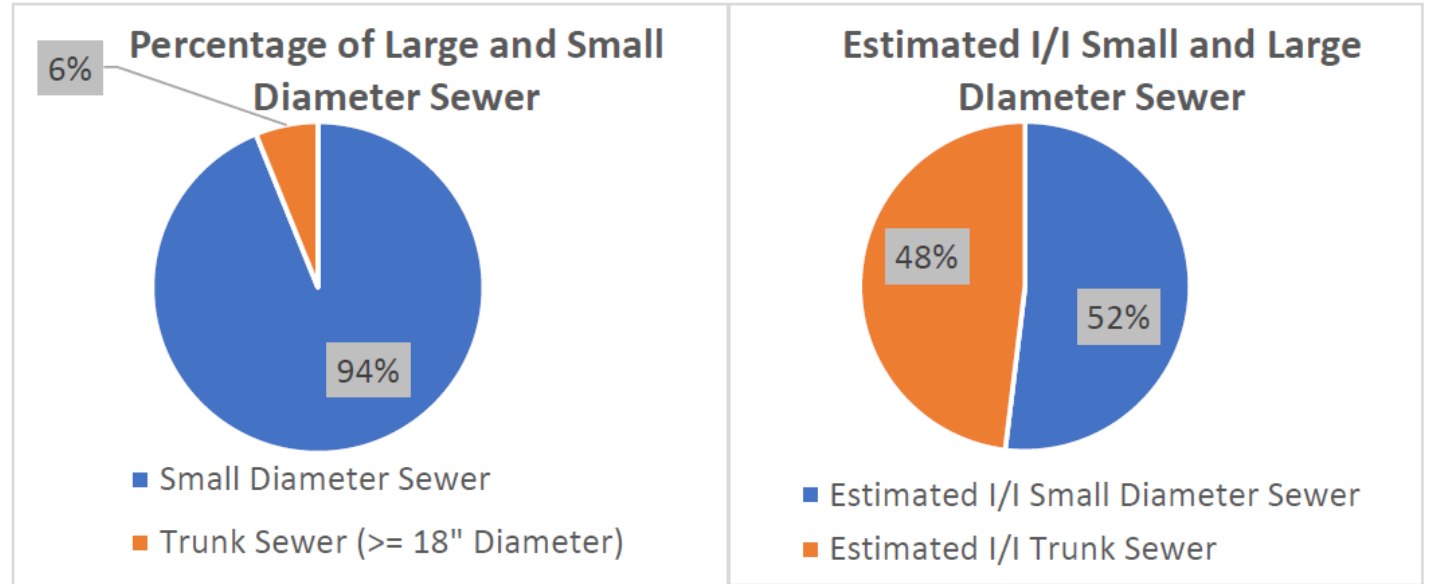
PFL No.	Address
27	BORING ROAD
41	FLAT SHOALS PARKWAY

Basis for Cobb Fowler South Trunk Sewer Improvement Project



Proposed Solutions:

- **Replacement of Sewer** – Most Effective, Time- Sensitive Approach
- **Reduce I/I, Increase System Capacity** for the next 50-75 Years
- **Existing Sewers** – Poor Conditions – Reverse/Flat Grade, Aerial Creek Crossings, Located in Stream Bank/Wetland
- As a **Result of Comprehensive Rehab Pilot Study** – Not Sufficient to Address Capacity Related SSOs in Cobbs Creek without Replacing/Upsizing
- **Delaying** will Result in Continued Spills of Similar or Greater Magnitudes



Cobb Fowler South Trunk Sewer Represents Only 1.5% of Sewer in Shoal Creek Sewershed but Controls Capacity for 11 sq Miles of Dekalb County

Conditions of Existing Cobb Fowler South Trunk Sewer



Aerial Crossings



Creek Crossing Dams



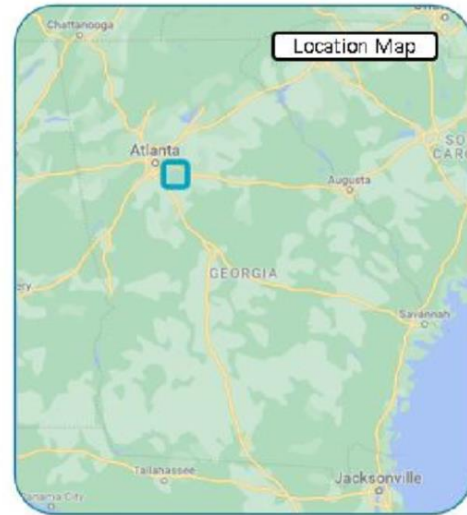
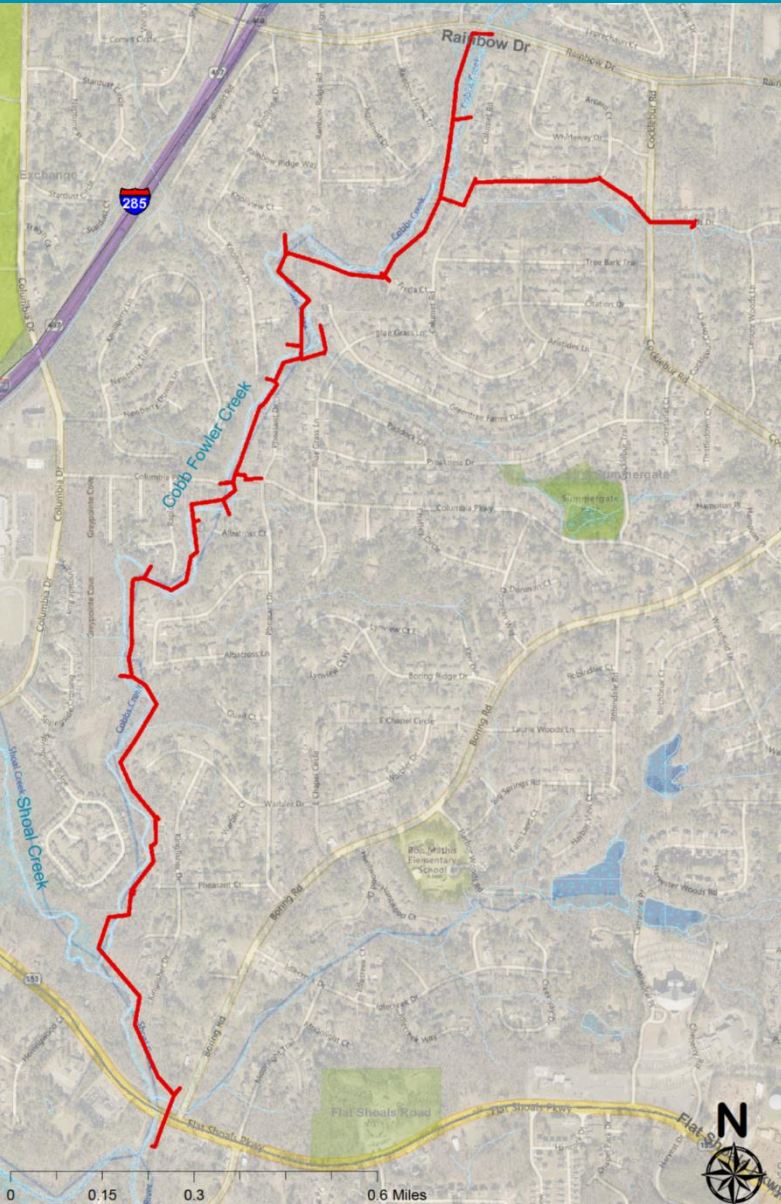
Manhole Under Deck



Eroded Creek Bank



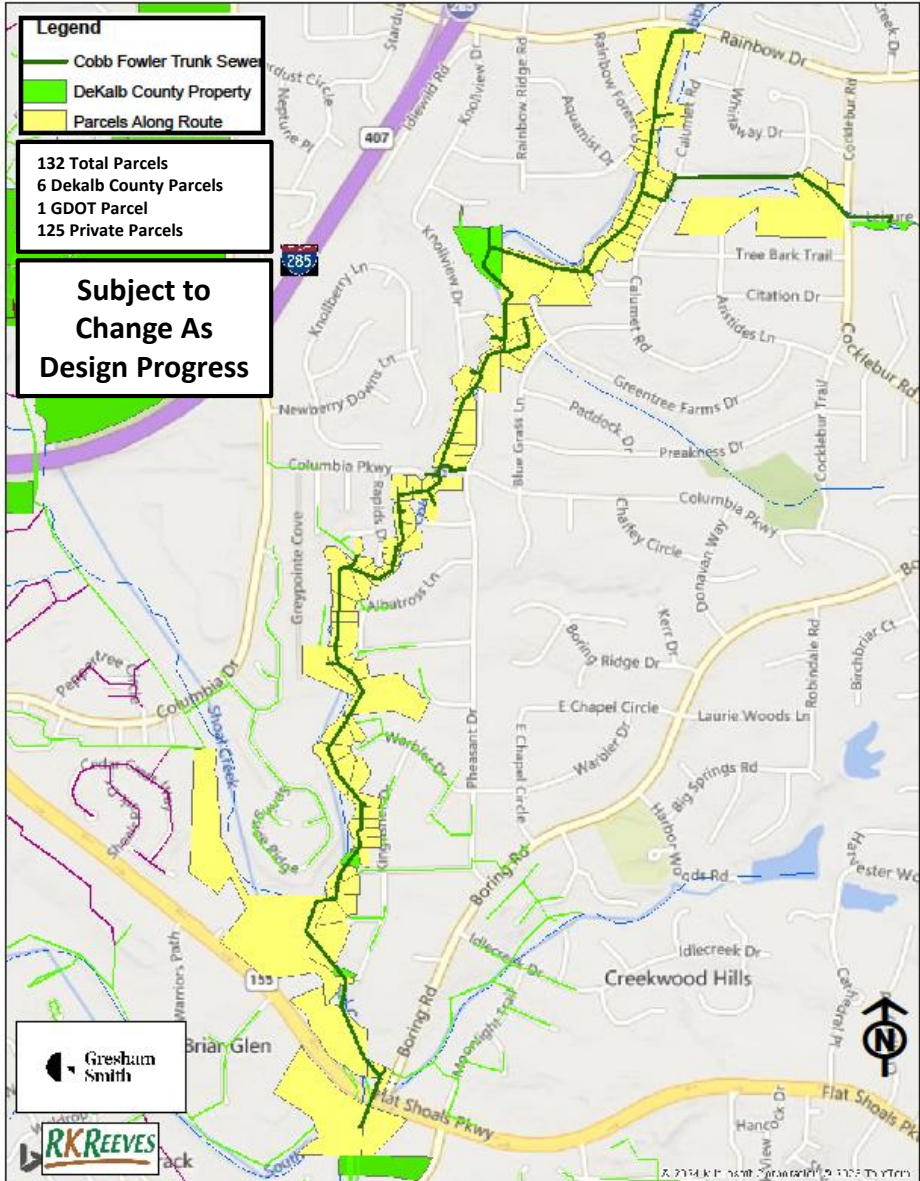
Cobb Fowler Trunk Sewer Improvement Scope Overview



Legend
— Cobb Fowler Alignment

- Total of approximately **17,555 LF** (~3.33 miles)
- Design Engineer: **Gresham Smith**
- Existing size: **8” - 30”**, proposed size: **8” - 36”**
 - **Trunk Replacement:** *From Flat Shoals Pkwy Bridge to Rainbow Dr Bridge*
 - **Side Branch:** *From Leisure Woods Dr to Chateaugay Dr*
- One Highway Crossing (**Flat Shoals Pkwy**)
- 21 Creek Crossings
- Commissioner District **3**
- Super Commissioner Districts **6, 7**

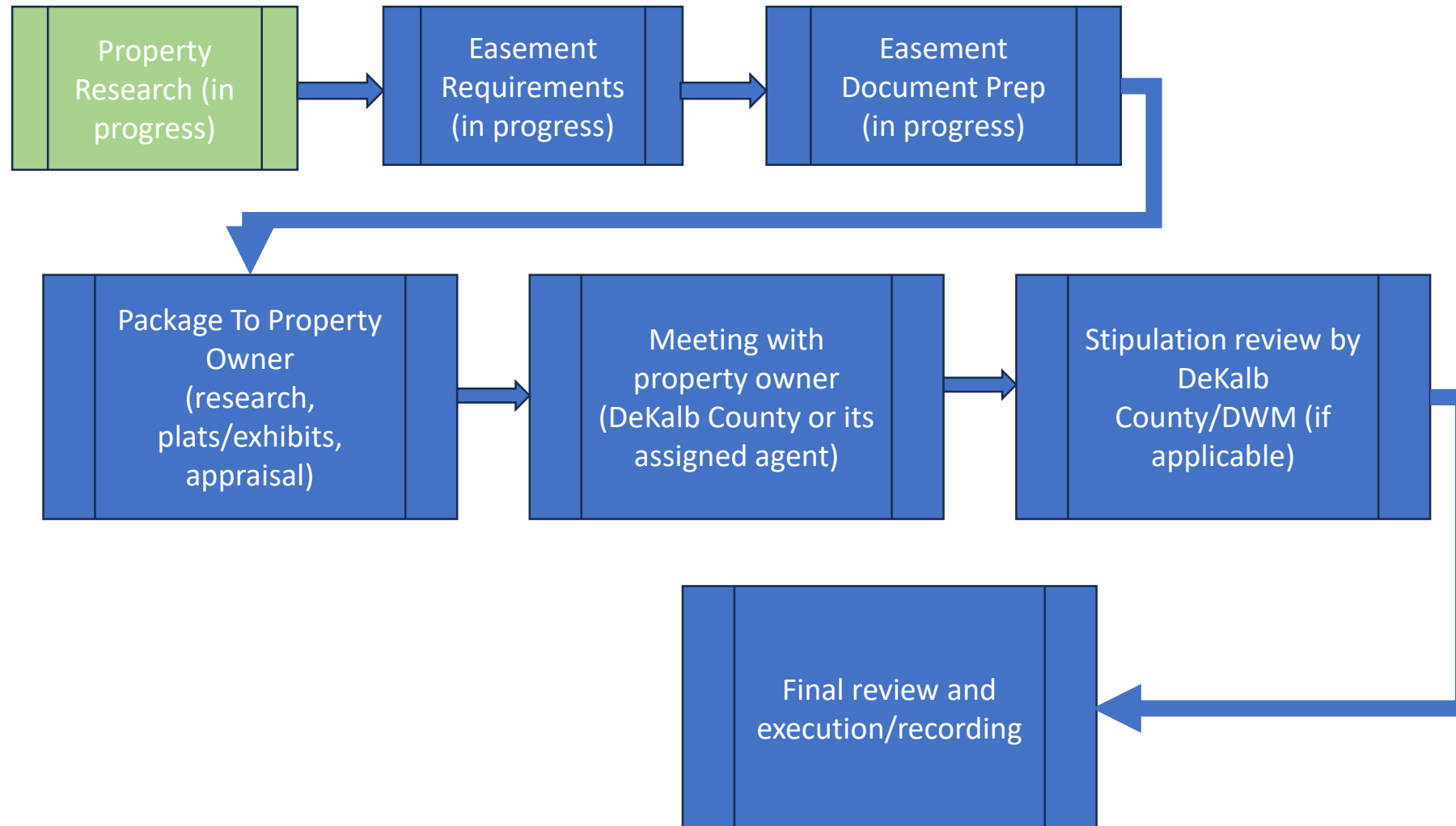
Cobb Fowler South Trunk Project Impact on Private Properties



Area	No. of Parcels*	Easements (20 LF)	Public Properties	Jurisdiction
CFS	132	108	1 GDOT, 6 DeKalb Properties	Unincorporated DeKalb

**Approximate No. of Parcels at 90% Design Stage*

Easement Negotiation Process Workflow

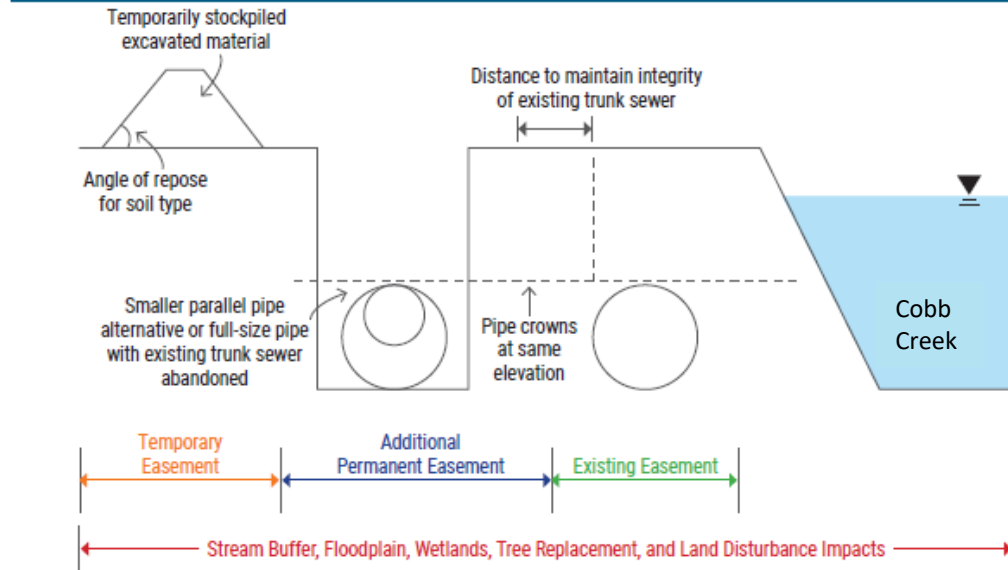


Cobb Fowler South Trunk Sewer Replacement Options

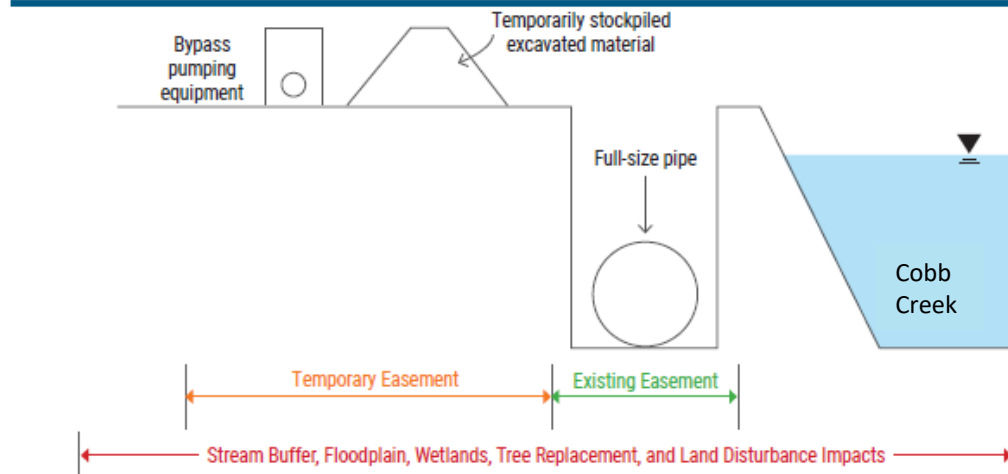


- **Replace Pipe in Same Trench**
- **Parallel Relief Sewer (partial flow)**
- **Relief Sewer (full flow)/Abandon Existing Sewer**
- **Future Rehabilitation of Existing Pipe**

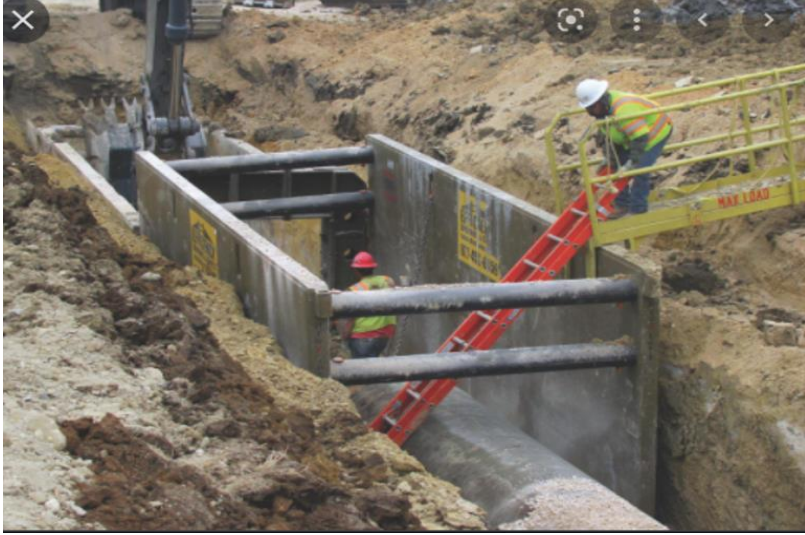
PARALLEL PIPE INSTALLATION (not to scale)



REPLACE IN-PLACE (not to scale)



Method of Construction



**Open Trench Excavation –
Majority of Cobb Creek
Trunk Upsize**

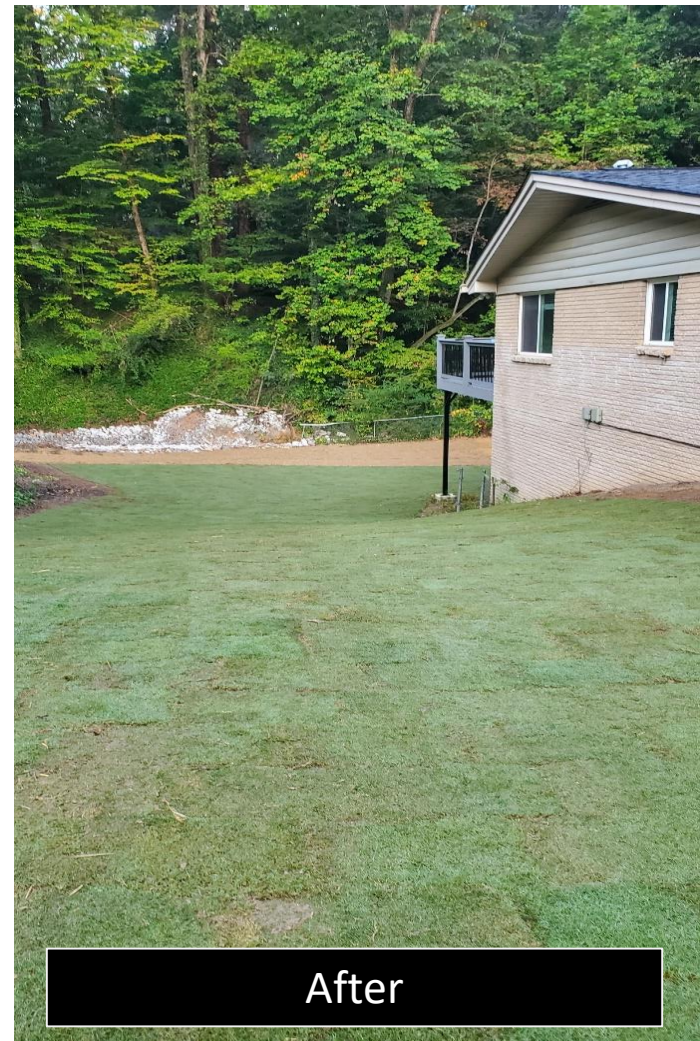


**Jack and Bore and Micro
Tunneling Under Major
Highway/Interstate/GDOT
Crossing**

Site Restoration



Restore In Kind



Cobb Fowler South Trunk Sewer Improvement Project Timeline



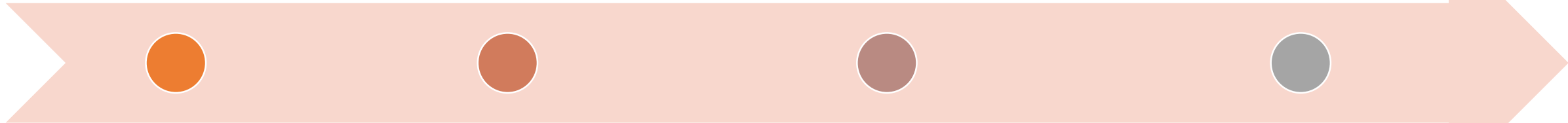
**Estimate Schedule*

Design Phase

- **Bid Phase:** Mid 2024
- **Bid Duration:** Up to 12 mo.

Construction Phase

- **Warranty Period:** 2028
- **Duration:** 12 mo.



- **NTP:** 4/17/2023
- **Kick Off:** 4/27/2023
- **30% Design:** Aug 2023
- **60% Design:** Nov 2023
- **90% Design:** Mar 2024
- **100% Design:** Apr 2024
- **Easement Acquisition**
- **Permitting**
- **Duration:** Up to 36 mo.

Bid Phase

- **Construction:** Early/Mid 2025
- **Duration:** Approx. 3 Years
- **Substantial Completion:** Mid 2028
- **Final Completion:** Late 2028

Post Construction Phase

Website and Virtual Meeting Room



- Interactive Web Access for Project Information
- Resides on DWM website and project website:
- www.cobbfowler.trunksewer.com



Basis for Cobb Fowler South Trunk Sewer Improvement Project

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- Replacement of Sewer – Most Effective, Time-Sensitive Approach
- Reduce I/J, Increase System Capacity for the next 50-75 Years
- Existing Sewers – Poor Conditions – Reverse/Fiat Grade, Aerial Creek Crossings, Located in Stream Bank/Wetland
- As a Result of Comprehensive Rehab Pilot Study – Not Sufficient to Address Capacity Related SSOs in Cobb Creek without Replacing/Up sizing
- Delaying will Result in Continued Spills of Similar or Greater Magnitudes

Percentage of Large and Small Diameter Sewer

Category	Percentage
Small Diameter Sewer	94%
Trunk Sewer (>= 18" Diameter)	6%

Estimated I/J Small and Large Diameter Sewer

Category	Percentage
Estimated I/J Small Diameter Sewer	88%
Estimated I/J Trunk Sewer	12%

Cobb Fowler South Trunk Sewer Represents Only 1.5% of Sewer in Shoal Creek Sewershed but Controls Capacity for 11 sq Miles of DeKalb County

Cobb Fowler Trunk Sewer Improvement Scope Overview

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Cobb Fowler South Trunk Sewer Replacement Options

- Replace Pipe in Same Trench
- Parallel Relief Sewer (partial flow)
- Relief Sewer (full flow)/Abandon Existing Sewer
- Future Rehabilitation of Existing Pipe

Conditions of Existing Cobb Fowler South Trunk Sewer

- Aerial Crossings
- Creek Crossing Dams
- Manhole Under Deck
- Eroded Creek Bank

Method of Communication



NEXTDOR

DECATUR, GA

As part of DeKalb County's \$2.4 billion capital improvement program, the Department of Watershed Management (DWM) will be improving the capacity and service of the Watershed systems serving your community. The Cobb Fowler South Trunk Sewer Upsizing Project is being designed to improve the watershed system in your community.

Please join the department to learn more about the Cobb Fowler South Trunk Sewer Upsizing Project. Interact with the project team and provide feedback.

The county confirms and will host one (1) Public Information Open House (PIOH) event about this project.

Meeting Date & Time:

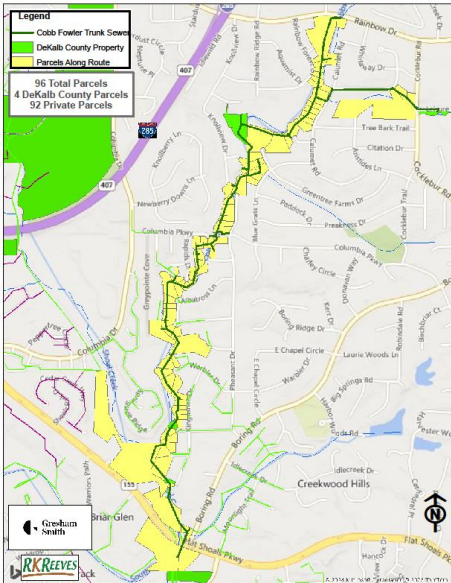
Tuesday, March 19
6:00 – 8:00 p.m.
Porter Sanford III Performing Arts & Community Center
3181 Rainbow Dr
Decatur, GA 30034

The Cobb Fowler South Sewer Improvement Project will address repeat sanitary sewer overflow areas and help meet future sewer demands for the next 50 years.

Construction is expected to begin in 2025 and last approximately three years, barring any unforeseen circumstances and weather delays.

Gresham Smith on behalf of DeKalb County, is the engineering and design company for the Cobb Fowler South Trunk Sewer Improvement Project. Should you have any questions or concerns about this project, please contact the DWM Project Information Line at 1-800-986-1108 or email cobbfowersouthsewer@dekalbcountyga.gov.

DWM looks forward to your attendance and appreciates your support as we work diligently to improve DeKalb County's watershed system.



DOOR HANGERS/FLYERS



DeKalb County
GEORGIA

770.621.7200 (o)
770.621.7271 (f)
DeKalbCountyga.gov

Watershed Management
1580 Roadhaven Drive
Stone Mountain, GA 30083

David E. Hayes, Director

March 4, 2024

Subject: Cobb Fowler South Trunk Sewer Upsizing Project - Public Information Open House Events

Dear Resident/Homeowner,

As part of DeKalb County's \$2.4 billion capital improvement program, the Department of Watershed Management (DWM) will be improving the capacity and service of the Watershed systems serving your community. The **Cobb Fowler South Trunk Sewer Upsizing Project** is being designed to improve the watershed system in your community.

This letter serves as a formal invitation to learn more about the **Cobb Fowler South Trunk Sewer Upsizing Project**, interact with the project team and provide feedback.

The county confirms and will host **one (1) Public Information Open House (PIOH)** event about this project.

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The project is expected to begin in 2025 and last approximately three years (February 2025 to April 2028), barring any unforeseen circumstances and weather delays.

Gresham Smith, working on behalf of DeKalb County, is the engineering and design company for the **Cobb Fowler South Trunk Sewer Upsizing Project**. Should you have any questions or concerns about this project, please contact the DWM Project Information Line at 1-800-986-1108 or email cobbfowersouthsewer@dekalbcountyga.gov.

We look forward to your attendance and appreciate your support as we work diligently to improve DeKalb County's watershed system.

MEDIA RELEASE



DeKalb County
GEORGIA

Department of Communications
www.dekalbcountyga.gov

MEDIA CONTACTS:

- Andrew Cauthen, Communications Manager, acauthen@dekalbcountyga.gov, 470-553-4408 (c)
- Alicia Pennie, Public Relations Manager, atpennie@dekalbcountyga.gov, 678-858-9488 (c)

FOR IMMEDIATE RELEASE

March 4, 2024

Public Information Open House Events for Cobb Fowler South Trunk Sewer Improvement Project On Tuesday, March 19

DECATUR, Ga.— Efforts to improve the watershed system throughout DeKalb County continues with the design of **Cobb Fowler South Trunk Sewer Upsizing Project**

The county confirms and will host **one (1) Public Information Open House (PIOH)** event about this project.

Meeting Date & Time:

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The **Cobb Fowler South Sewer Improvement Project** will address repeat sanitary sewer overflow areas and help meet future sewer demands for the next 50 years. **Construction is expected to begin in 2025 and last approximately three years, barring any unforeseen circumstances and weather delays.**

Gresham Smith on behalf of DeKalb County, is the engineering and design company for the **Cobb Fowler South Sewer Improvement Project**.

For more information about the **Cobb Fowler South Sewer Improvement Project** and its **upcoming open house events**, contact the DWM Project Information Line at 1-800-986-1108 or email cobbfowersouthsewer@dekalbcountyga.gov.

- Notification Letter/Doorhanger
- News Release
- Website
- NextDoor – to targeted stakeholders
- Media Relations
- Social Media
- Project Fact Sheet (English and Spanish version)
- Frequently Asked Questions, FAQ (English and Spanish version)

Questions

