DEPARTMENT OF WATERSHED MANAGEMENT



COBB FOWLER SOUTH TRUNK SEWER UPSIZING PROJECT

Public Information Open House

Date: March 19th, 2024

Project Email: cobbfowlersouthsewer@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

Cobb Fowler South Trunk Sewer Improvement Project Background





- 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 of the Consent Decree



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

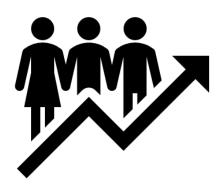
New Connections

- ► 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 |
| | | |

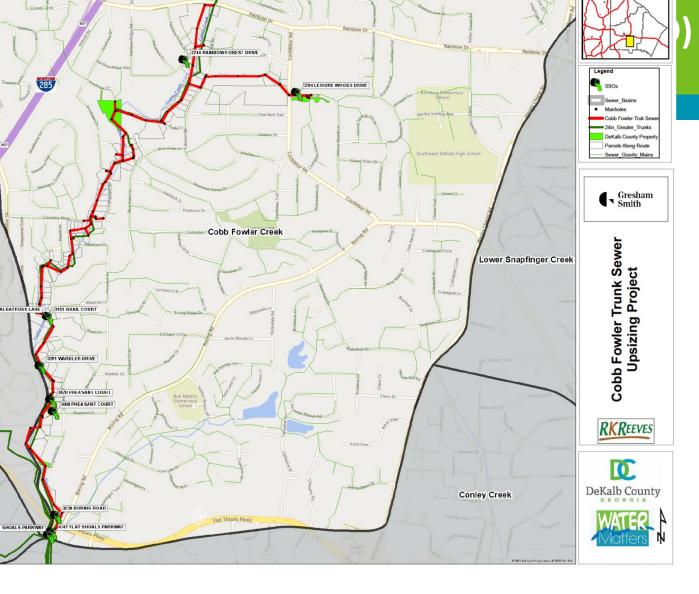
(1) Source: DeKalb County Sewer Master Plan (2020)

History of Capacity Related Sanity 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



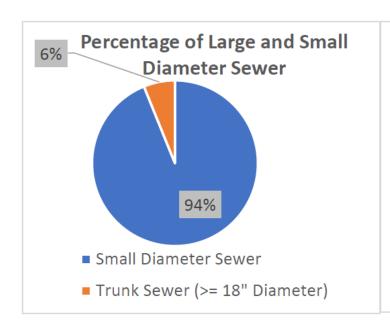
| PFL No. | Address |
|------------|---------------------|
| 27 | BORING ROAD |
| 41 | FLAT SHOALS PARKWAY |

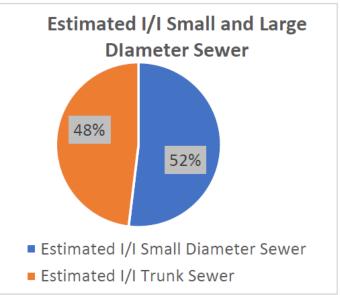
Basis for Cobb Fowler South Trunk Sewer Improvement Project



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

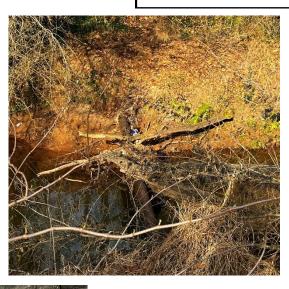
Conditions of Existing Cobb Fowler South Trunk Sewer



Aerial Crossings



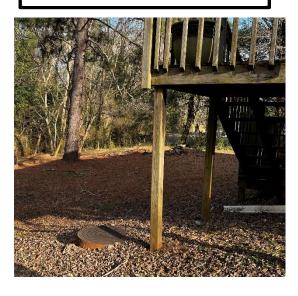
Creek Crossing Dams







Manhole Under Deck

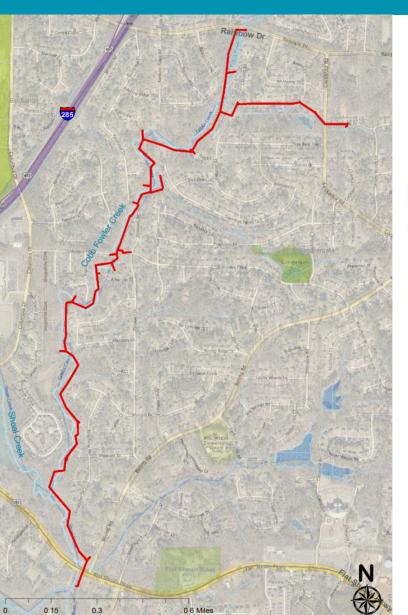


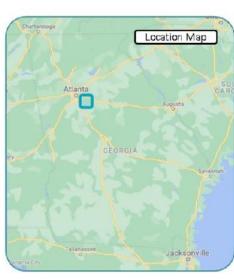
Eroded Creek Bank



Cobb Fowler Trunk Sewer Improvement Scope Overview







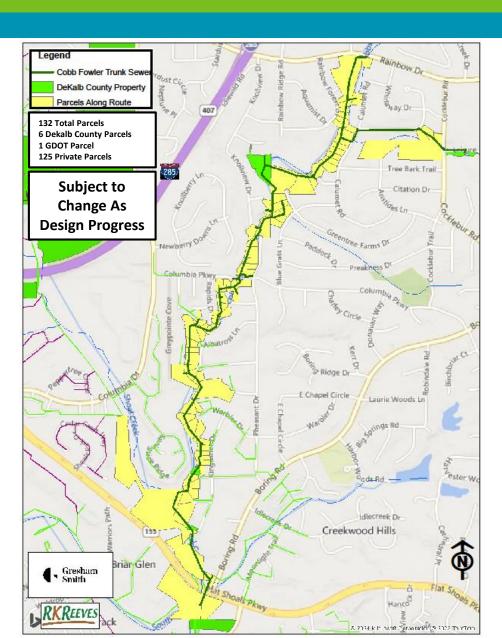
- Cobb Fowler Alignment

Legend

- 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 Chateauguay 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



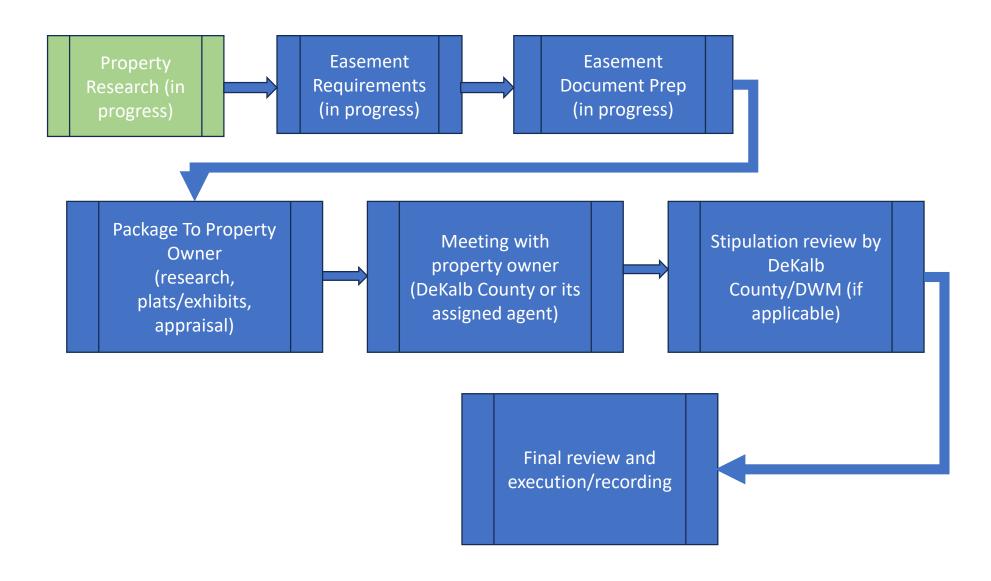


| Area | No. of Parcels* | Easements (20 LF) | Public Properties | Jurisdiction |
|------|-----------------|----------------------|--------------------------------|--------------------------|
| CFS | 132 | 108 | 1 GDOT, 6 Dekalb Properties | Unincorporated DeKalb |

^{*}Approximate No. of Parcels at 90% Design Stage

Easement Negotiation Process Workflow





Example of Right of Entry Form (ROE) and Easement Plat





RIGHT OF ENTRY (ROE) PERMISSION FORM

| Date and Time Property Address Name (Print) Property Owner Phone Number (Home and/or Work) Property Owner Name (Print) County or Contractor Employee Phone Number ROE Tracking Number | | |
|--|---------------------------------|--|
| Name (Print) Property Owner Phone Number (Home and/or Work) Property Owner Name (Print) County or Contractor Employee Phone Number County or Contractor Employee | Date and Time | |
| Property Owner Phone Number (Home and/or Work) Property Owner Name (Print) County or Contractor Employee Phone Number County or Contractor Employee | Property Address | |
| Phone Number (Home and/or Work) Property Owner Name (Print) County or Contractor Employee Phone Number County or Contractor Employee | Name (Print) | |
| Property Owner Name (Print) County or Contractor Employee Phone Number County or Contractor Employee | Property Owner | |
| Name (Print) County or Contractor Employee Phone Number County or Contractor Employee | Phone Number (Home and/or Work) | |
| County or Contractor Employee Phone Number County or Contractor Employee | Property Owner | |
| Phone Number County or Contractor Employee | Name (Print) | |
| County or Contractor Employee | County or Contractor Employee | |
| | Phone Number | |
| ROE Tracking Number | County or Contractor Employee | |
| | ROE Tracking Number | |

Dekalo County ("County") and/or its contractor will be required to be outside of the County-owned easement area located on or adjacent to your property for sewer line assessment work associated with the Shoal Creek Trunk Sewer Replacement Project. The County and/or its contractor will require access to enter the property at ___Insert address) ______. Your permission will be required for County crews and/or Contractors to perform sewer line replacement outside dedicated easements or rights of way. They project is required by the ______. Pour permission will be required by the ______. They could be a contracted by the ______. They contrac

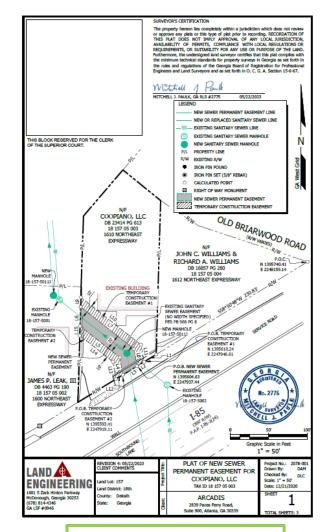
The County and its contractor(s) are required to restore your property and any authorized improvements back to substantially the same condition once the work is complete. This includes any portion of authorized driveways, fences, and trees, and the potential replacement of any lown areas with new seed or sod. Excavated material will be used as backfill when possible.

Please note however, that the County will not be responsible for damages to, or replacement of, any irrigation systems, fences, wires, poles, or structures that have been installed either: (1) in the County Right-of-Way in visitants of DeKalb County Code Sec.17-6 (see below); or (2) in any County-owned easement area in violation of the terms of such easement.

| և | (Property Owner), do hereby give my permission for the County and/or its |
|--|---|
| contractor to enter my property and in effect until the assessment work i | perform the needed sewer line assessment work. The right of entry will remain is complete. |
| | |
| Signature (Property Owner) | Date |

ROE Permission Form Page 2 Attachment 1: Sec. 17-6. - Obstructions to right-of-way, (a) Prohibited. It shall be unlawful for any person to obstruct the right-of-way of any public road, strest or other easement in the unincorporated area of the county by placing or maintaining thereon any obstruction, whether it is in the nature of

Example of Right of Entry Form (ROE)

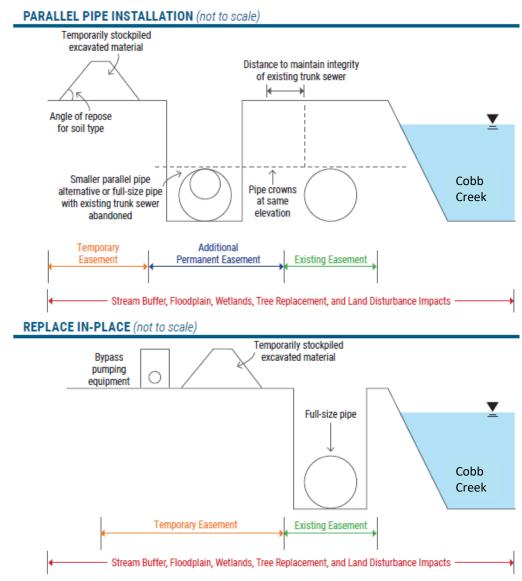


Example of Easement Plat

Cobb Fowler South Trunk Sewer Replacement Options

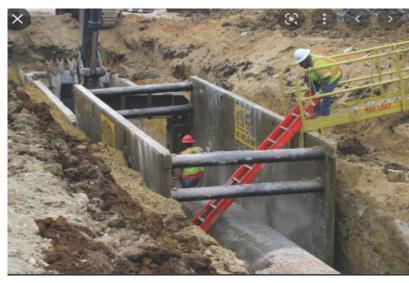


- Replace Pipe in Same Trench
- Parallel Relief Sewer (partial flow)
- Relief Sewer (full flow)/AbandonExisting Sewer
- Future Rehabilitation of Existing Pipe



Method of Construction





Open Trench Excavation – Majority of Cobb Creek Trunk Upsize

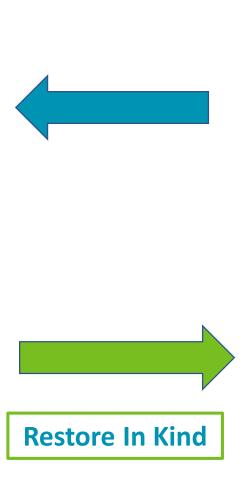


Jack and Bore and Micro
Tunneling Under Major
Highway/Interstate/GDOT
Crossing

Site Restoration









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.







• **30% Design:** Aug 2023

Kick Off: 4/27/2023

• **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





Method of Communication



NEXTDOOR

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 Upsteing 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 learn and provide feedback.

Meeting Date & Time:

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

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 Smithon behalf of Delkalb 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 DVM Protect Information line at 1-30-965-110s or enail cobblowlersculfisewer@ide.ide.ide.out.plyas.go

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



DOOR HANGERS/FLYERS

DeKalb County

770.621.7200 (o) 770.621.7271 (f) DeKalbCountyga.gov Watershed Management 1580 Roadhaven Drive Stone Mountain, GA 30083

Chief Executive Officer

Michelle Long Spears

Mereda Davis Johnson

Edward "Ted" Terry

Lorraine Cochran-

Michael Thurmond

Commissioners

Robert Patrick

Larry Johnson

Board of

District 1

District 2

District 3

District 4 Stephen Bradshaw

District 5

District 6

District 7

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.

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 Trunk Sewer Upsizing Project will address repeat sanitary sewer overflow areas and help meet future sewer demands for the next 50 years.

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 cobblowlersouthsewer@dekalbcuntyga.go

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

MEDIA RELEASE



Department of Communications

MEDIA CONTACTS:

Andrew Cauthen, Communications Manager, acauthen@dekalbcountyga.gov, 470-553-4408 (c)

Alicia Pennie, Public Relations Manager, atpennie@dekabcountyga.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

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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 cohbin wile rought sewer@idekalbcountypa

- 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





