



EMORY SEWER LINING PROJECT

Virtual Community Meeting

Wednesday, January 12, 2022 @ 6:30 p.m.

Virtual Link: <https://dekalbcountyga.zoom.us/j/87504907194>





WELCOME AND INTRODUCTIONS

Maria Houser

Director of Consent Decree and Environmental Compliance

DeKalb County

MEETING AGENDA



WELCOME AND INTRODUCTIONS:

Ms. Maria Houser, Director of Consent Decree

GREETINGS:

Commissioner Jeff Rader, District 2

Commissioner Ted Terry, Super District 6

A NEW DAY:

Mr. David Hayes, Director

DEPARTMENT OF WATERSHED OVERVIEW:

THE ASSESSMENT:

Mr. Brent Zern, P.E., Assistant Director of Regulatory Compliance

THE PROBLEM:

Mr. Kerry B. Williams, P.E., PMP, Engineering Manager

THE SOLUTION:

Ms. Cassandra Marshall, PMP, Program Administrator - CIP

PROJECT SCOPE/CONSTRUCTION OVERVIEW:

Mr. Bacchus Jackson, Construction Project Manager

COMMUNICATIONS:

Ms. Alicia Pennie, Public Relations Manager



GREETINGS

Commissioner Jeff Rader
District 2 – DeKalb County



GREETINGS

Commissioner Ted Terry
District 6 – DeKalb County



A HISTORY OF NEGLECT

Mr. David Hayes

Director Watershed Management

DeKalb County

Infrastructure Neglect

- Aging System
- Lack of a Capital Improvement Process



- CEO Thurmond directly engaged Consent Decree issues via regularly scheduled meetings.
- Prioritized repeat wet weather spill sites (priority fix list items).
- Focused on identifying the root underlying issues to symptomatic problems in the sewer system.



WATERSHED MANAGEMENT OVERVIEW



• WHAT WE DO...

- Serve approximately 700,000+ DeKalb County residents
- Treat up to 128 Million Gallons per Day (MGD) of safe drinking water/day
- Distribute ~70 MGD/day of safe drinking water
- Treat up to 56 MGD treated wastewater per day
- Maintain over 5,000 miles of water distribution and sanitary sewer collection piping

Intake river water from the environment

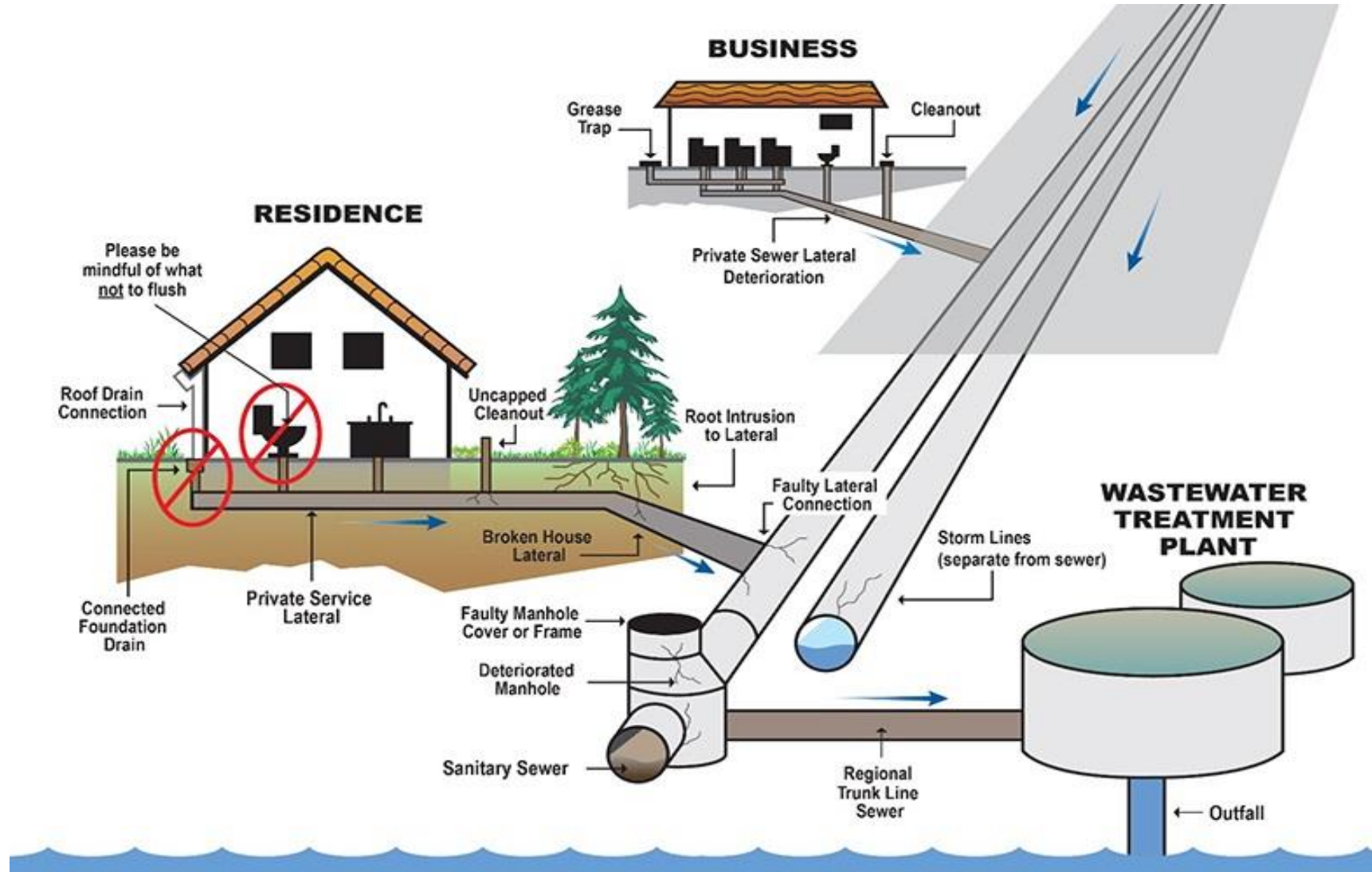
Treat and produce safe, clean drinking water

Distribute drinking water to customers

Collect wastewater from customers

Treat wastewater and return to the environment

WASTEWATER SYSTEM OVERVIEW: WHAT'S A GRAVITY SEWER?



WHY IS DEKALB COUNTY REPLACING AND/OR REPAIRING SEWER LINES?



DeKalb County Department of Watershed Management's Engineering and Construction Management Division is leading the effort to repair and replace the county's aging infrastructure. These repairs will:



TEAM INTRODUCTIONS



DeKalb County Department of Watershed Management Engineering and Construction Management will lead a team of Engineers, Inspectors and Contractor Crews.





THE ASSESSMENT

Brent Zern, P.E.

Assistant Director of Regulatory Compliance

DeKalb County

Problem Assessment

- Sonar/ Totally Integrated Sonar and Camera Inspection Technique (TISCIT)
 - Performed TISCIT on entire span of trunk line for this project >5,000 LF
 - Performed heavy cleaning on ~700 LF of pipe to remove excess debris and sediment
 - Rehabilitation of these defects will reduce unwanted flow in the pipes
- Structural Condition Assessment and Inspection
- Hydraulic Modeling





THE PROBLEM

Mr. Kerry B. Williams, P.E., PMP
Engineering Manager

THE PROBLEM

Priority Fix
List (PFL)

Aged
Infrastructure

Operational
Efficiencies



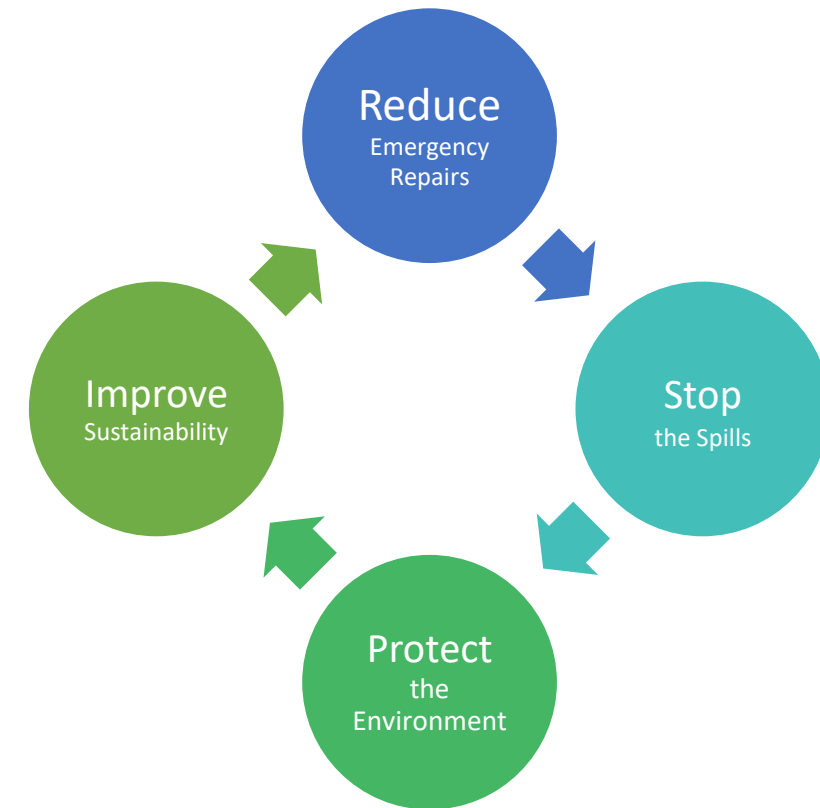
THE SOLUTION

Ms. Cassandra M. Marshall, PMP
Program Administrator, CIP

CAPITAL IMPROVEMENT PROJECT OVERVIEW

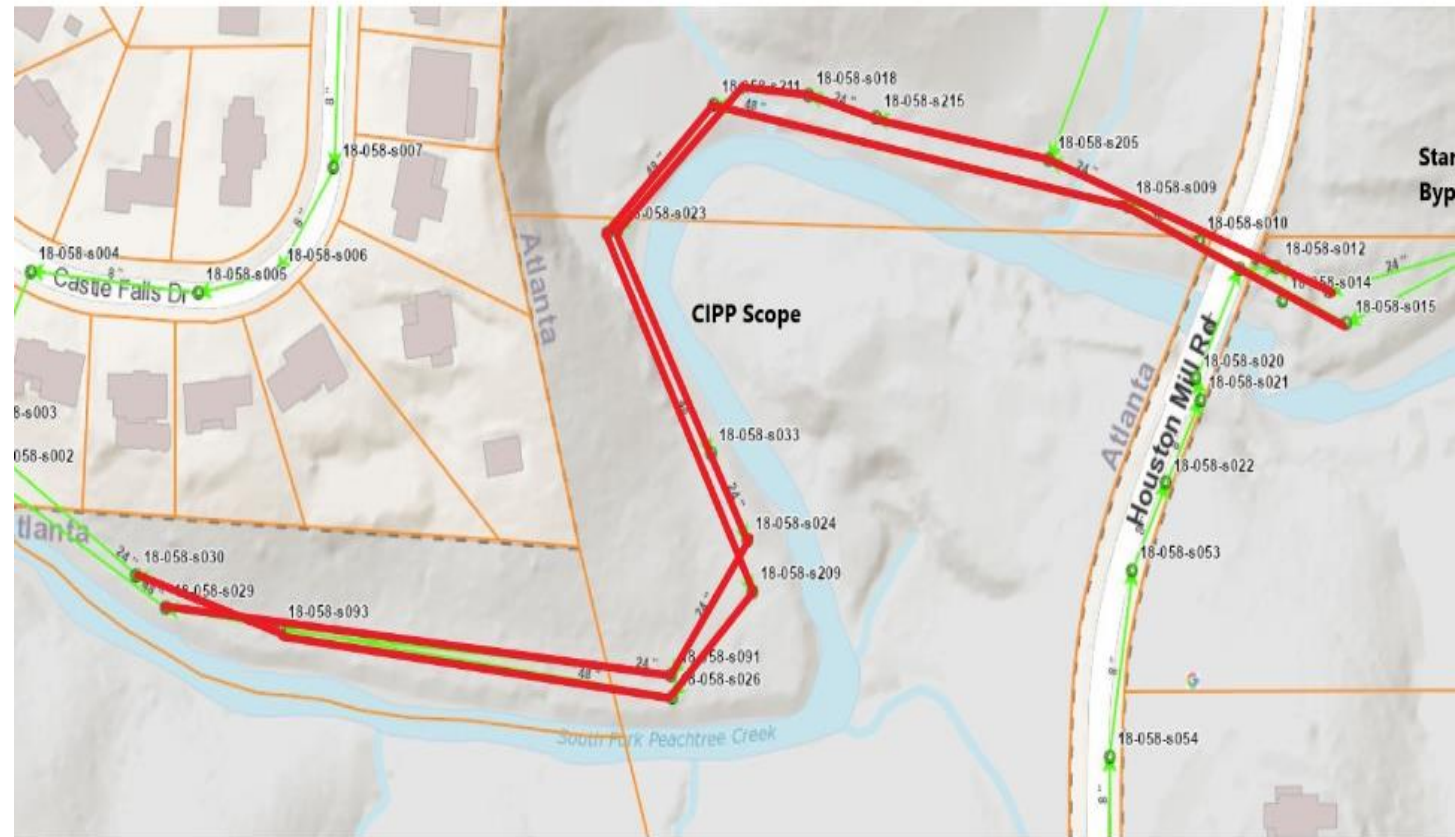


- What is a Capital Improvement Project (CIP)?
 - A project that helps maintain or improve an asset.
 - The new construction or replacement of an infrastructure.
- Last year, the Board of Commissioners approved a new CIP for \$2.4 billion dollars for projects to be completed from 2021 to 2030.
 - The Emory sewer lining project is a \$5.33 million project that is included in that plan
- The CIP Team is responsible for executing the work done after the engineering has been completed.



PHASE I – HOUSTON MILL SEWER REPAIRS

- Pipe lining – 4763 LF of sewer lined (48” and 24”)
- 1 Point Repair
- Manhole rehabilitation
 - 1 manhole below grade was raised





EMORY SEWER LINING PROJECT SCOPE AND CONSTRUCTION OVERVIEW

Mr. Bacchus Jackson

Construction Project Manager

Emory Sewer Lining Project Construction Overview



- Boots on the ground
- Responsible for construction activities
 - Clearing within the permanent and temporary easement
 - Ensuring that erosion and sedimentation controls are in place
 - Ensuring proper lining of sewer pipe
 - Ensuring safety measures are followed



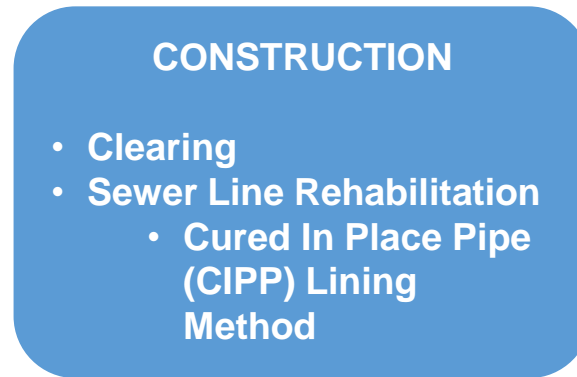
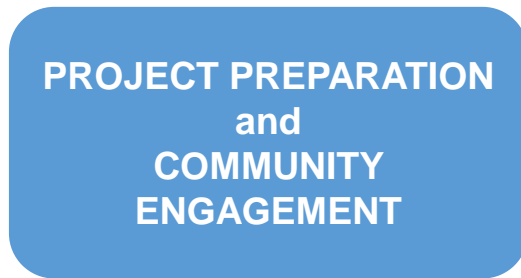
PROJECT OVERVIEW



March 2016-
December 2018



December 2021 –
September 2022





EMORY SEWER LINING PROJECT SCOPE OVERVIEW

- Planned work includes
 - Clearing and tree removal along the sewer easements
 - *Replacement per Emory University Canopy Policy*
 - CIPP (Cured In Place Pipe) lining of 5,600 linear feet of 48-inch ductile-iron sewer lines

Project Map



METHOD OF CONSTRUCTION



CIPP (Cured In Place Pipe) Sewer Lining

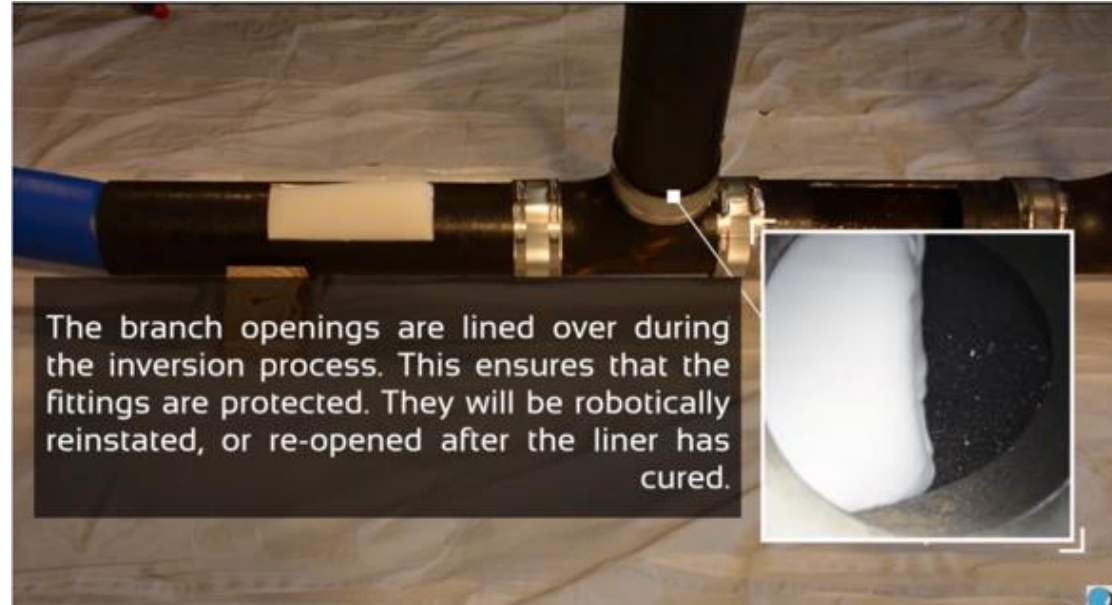
- Trenchless method of sewer construction, **without disturbing the surface above.**
- CIPP liner is inverted and installed into the existing pipe using water or air.
- CIPP liner is set into place and cured (hardened) using hot water or steam.



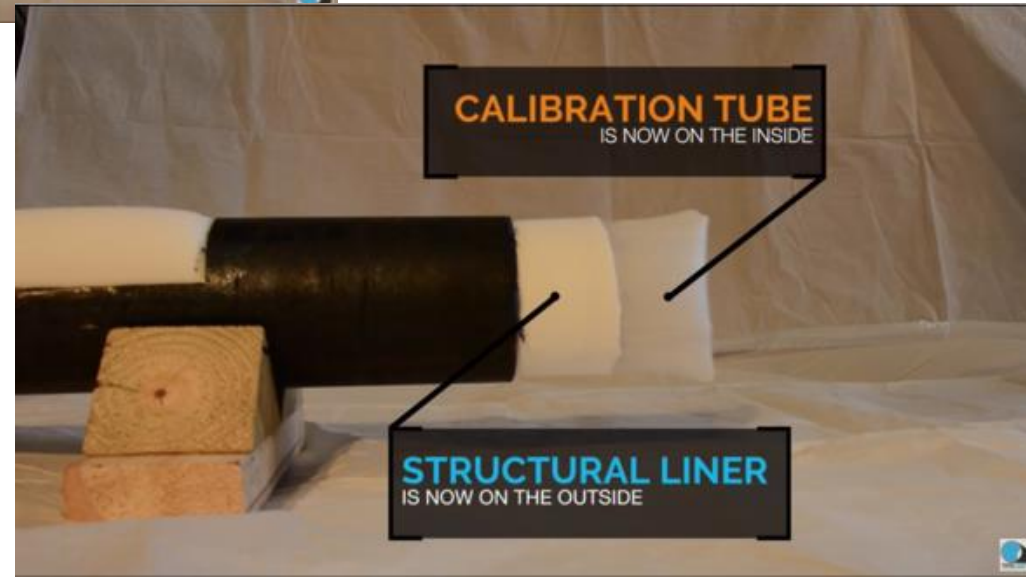
CURED IN PLACE PROCESS



INVERSION PROCESS



The branch openings are lined over during the inversion process. This ensures that the fittings are protected. They will be robotically reinstated, or re-opened after the liner has cured.



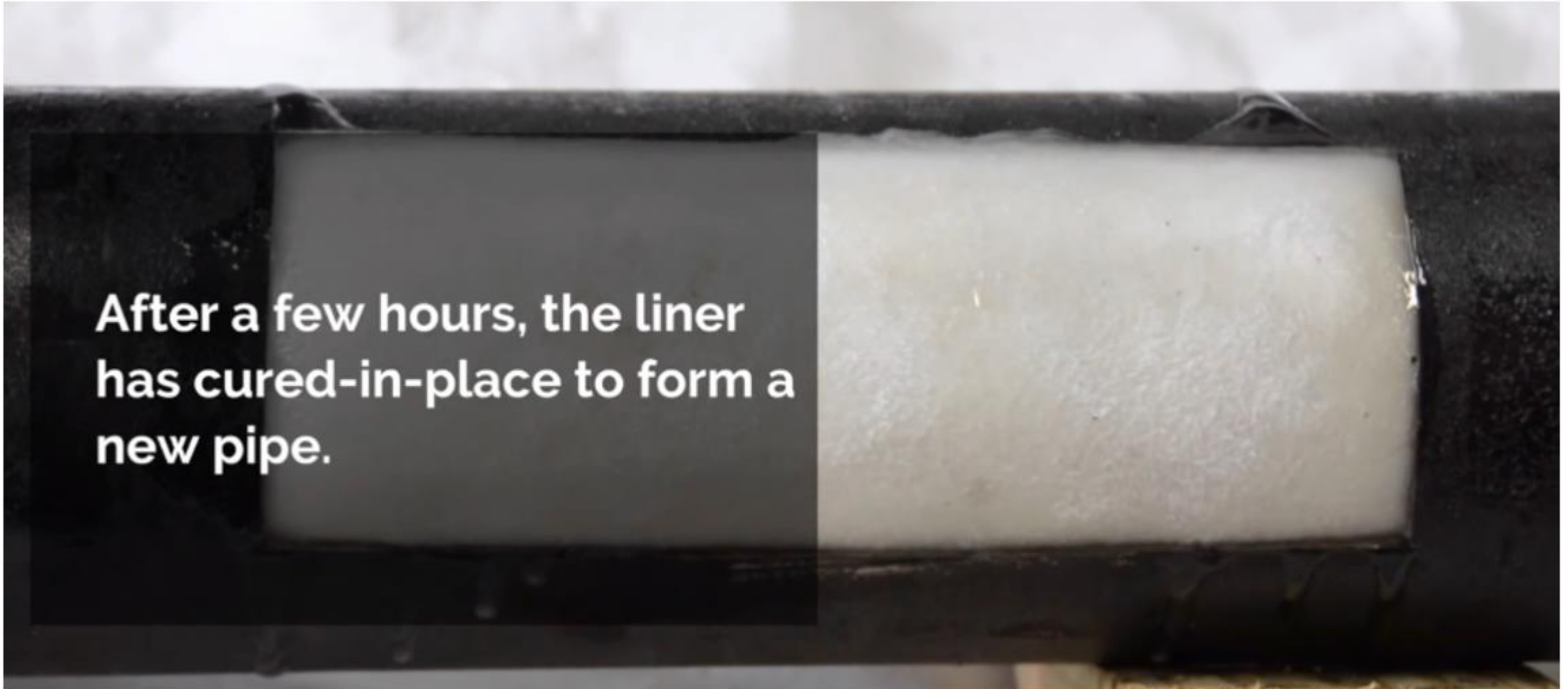
CALIBRATION TUBE
IS NOW ON THE INSIDE

STRUCTURAL LINER
IS NOW ON THE OUTSIDE

CURED IN PLACE PIPE



After a few hours, the liner has cured-in-place to form a new pipe.



ROBOTIC REINSTATEMENTS



REINSTATEMENT CUT AWAY



This view is from the branch line during reinstatement.

Duration of the Project:



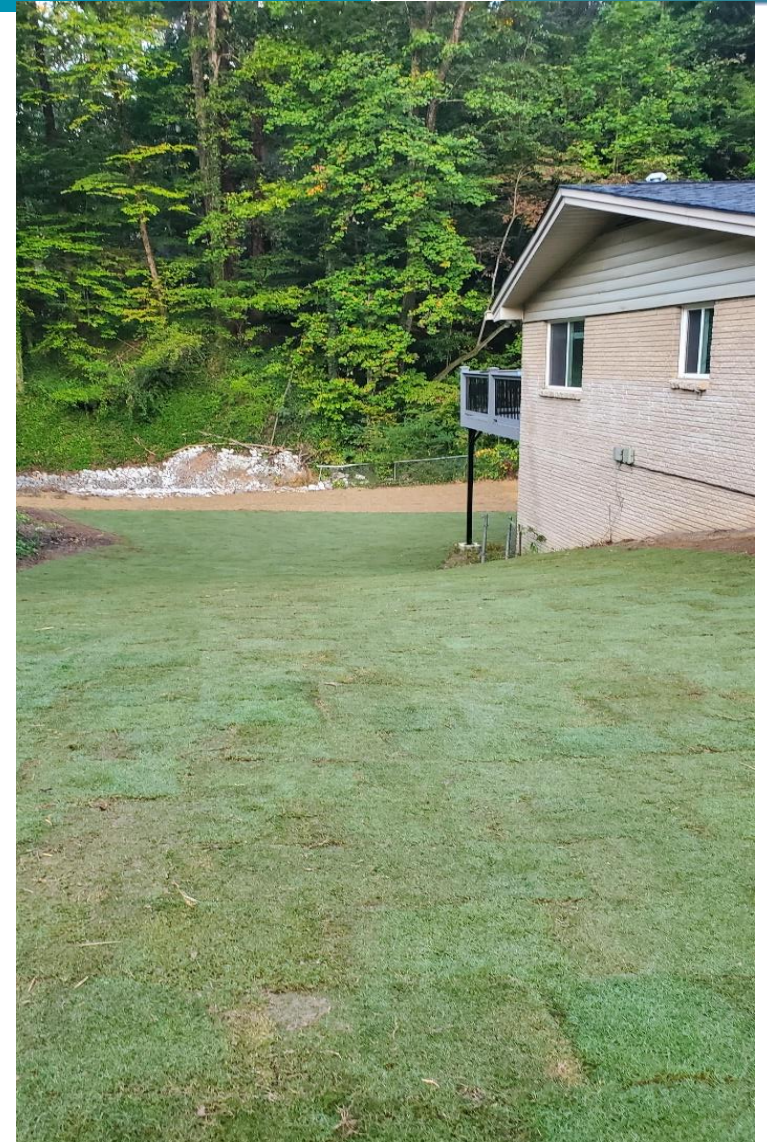
- Easement Clearing
 - January 24, 2022
 - Easement clearing will continue throughout the project.
- Access Preparation Start
 - January 24, 2022
- Construction Start (pipe installation)
 - February 2022
 - Work activities will continue through September 2022.



**All dates are weather and site condition dependent.*

Before

After





THE COMMUNITY

Ms. Cassandra M. Marshall, PMP
Program Administrator

COMMUNITY AWARENESS

- What to Expect
 - Construction Traffic (Both Foot Traffic And Vehicles)
 - Construction Deliveries
 - Construction Parking
 - Trail closures
 - Safety and Security
 - Noise Increase
 - Back Up Alarms (Safety Mechanism)
 - Bypass Pumps
 - Delineating Construction Zones
 - County contractors and employees will have a County issued badge
 - Work Hours
 - 7am – 7pm (typical work hours for CIPP installation). The liner curing process will take approximately 2 days and contractor will be on-site to monitor bypass and site 24/7 for the duration of the project.
 - Environmental Protection
 - Construction entrance and exits
 - Minimize dust control and dirt on streets



COMMUNITY AWARENESS



- Community will be prevented from accessing portions of the Lullwater Estates Trail Head for the duration of construction.
 - Construction signage will be clearly and carefully placed to alert community of trail closure areas.
- Portions of trail access areas will be detoured for the duration of construction.

DEKALB COUNTY
DEPARTMENT OF WATERSHED MANAGEMENT

BREAKING GROUND!!
A Project from the \$2.4 Billion Dollar Capital Improvement Program

EMORY SEWER LINING
IMPROVEMENT PROJECT

December 2021 – June 2022

Follow this project's updates on social!

Logos: DeKalb County Georgia, AEGION, Insituform, WATER Matters, QR code (Scan for Social)

www.dekalbwatershed.com * 1.800.986.1108 * projectinfo@dekalbcountyga.gov

DEKALB COUNTY
DEPARTMENT OF WATERSHED MANAGEMENT

ATTENTION
Trail Closed Ahead
Sewer Line Repairs
In Progress

December 2021 to June 2022

Follow this project's updates on social!

Logos: DeKalb County Georgia, WATER Matters, QR code (Scan for Social), CAUTION DO NOT ENTER Construction area. Authorized personnel only.

www.dekalbwatershed.com * 1.800.986.1108 * projectinfo@dekalbcountyga.gov




Public Communications Update

Ms. Alicia Pennie
Public Relations Manager

COMMUNICATIONS STRATEGY



LETTERS

 770-414-2355 (o)
404-298-4446 (t)
DeKalbCountyga.gov

Watershed Management
4572 Memorial Drive
Decatur, Georgia 30032

Chief Executive Officer
Michael Thurmond

Board of Commissioners

District 1
Nancy Jester

District 2
Jeff Rader

District 3
Larry Johnson

District 4
Stephen Bradshaw

District 5
Mereda Davis Johnson

District 6
Kathie Gannon

District 7
Loraine Cochran-Johnson

February 11, 2018

Subject: Package III Gravity Sewer Project

Dear Resident,

As part of DeKalb County's \$1.345 billion capital improvement program, the Department of Watershed Management (DWM) will be improving the capacity and service of the Wastewater systems serving your community. The **Package III Gravity Sewer Project** will be designed to move wastewater from a lower elevation to a higher elevation. The gravity sewer improvement projects will provide maintenance ease, increase capacity and reduce sanitary sewer overflows in the Stone Mountain and Decatur area.

This letter serves as formal notification that construction activities associated with this project will begin **March 2018**. Normal construction hours will be from 7 a.m. to 7 p.m., Monday through Friday, excluding major holidays. Property owners will be notified in advance of significant changes in scheduled work hours.

Please be advised to expect an increase in construction-related noise and traffic, during work hours. Property owners will be notified 45 to 72 hours prior to the start of impactful construction activities. Our construction crews will work diligently to minimize the length of impact to residents.

The gravity sewer improvement project is expected to last approximately 20 months, with construction completed in February 2020. Garney Construction, working on behalf of DeKalb County, is the authorized contractor for the **Package III Gravity Sewer Project**. All workers will be wearing proper identification and driving marked vehicles.

Should you have any questions or concerns regarding the **Package III Gravity Sewer Project**, please do not hesitate to contact the DWM Project Information line at 1-800-986-1108 or email projectinfo@dekalbcountyga.gov.

We appreciate your patience as we work diligently to make improvements to DeKalb County's sanitary sewer collection system.

DOOR HANGERS



NOTIFICATION

Department of Watershed Management
Package III Gravity Sewer Project

The DeKalb County Department of Watershed Management's Office of Engineering & Construction Management Services (ECMS) has initiated a project to **design and build** a new wastewater treatment gravity sewer project.

Please be advised to expect **lorem ipsum lorem ipsum lorem ipsum**. Signs and traffic flaggers will assist drivers in moving safely around the closures.

Work hours for the project will be from 7 a.m. – 7 p.m., Monday through Friday, excluding major holidays. In some cases, weekend work may be necessary. Our construction crews will work diligently to minimize the length of impact to residents. Also, please note all staff working on behalf of DeKalb County will have proper identification and will drive marked contractor vehicles.

All inquiries about this project should be directed to projectinfo@dekalbcountyga.gov or 1-800-986-1108. We appreciate your patience as we work diligently to make improvements to DeKalb County's water distribution system.

 [facebook.com/2656830669.02662](https://www.facebook.com/2656830669.02662)  twitter.com/2656830669.02662

Chief Executive Officer - Michael Thurmond

D1 – Comm. Nancy Jester
D2 – Comm. Jeff Rader
D3 – Comm. Larry Johnson
D4 – Comm. Steve Bradshaw

D5 – Comm. Mereda Davis Johnson
D6 – Comm. Kathie Gannon
D7 – Comm. Greg Adams Sr.

EMAILS

Email (HTML) Email (Plain Text)

From: Watershed Management Department - DeKalb <dekalbcountywatershed@public.govdelivery.com>
Subject: American Fare Lift Station Abandonment and Gravity Sewer Construction Update



COMMUNICATIONS STRATEGY



TOUCHPOINTS



Project Hotline



Website



Social Media



News Release



County Newsletter,
The Relay

- DCTV
- Next Door
- Project Signs
- Contractors
- FAQ

CONTACT INFORMATION



- Customer Questions?

- Project Information: 1-800-986-1108
- Email Inquiries: projectinfo@dekalbcountyga.gov

- Contact Information:

- Cassandra Marshall: cmmarshall@dekalbcountyga.gov 678-614-9060
- Bacchus “BJ” Jackson: bdjackson@dekalbcountyga.gov 678-614-6611
- Danny Mathis: dmathis01@dekalbcountyga.gov 678-754-7918

- Emergency Hotline:

- Dispatch: 770-270-6243

QUESTIONS

