

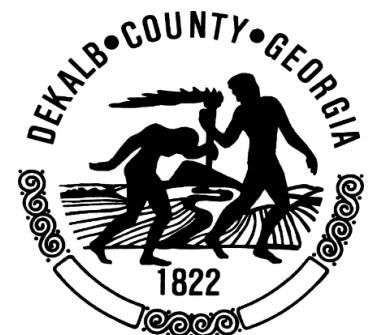


TILLY MILL SEWER IMPROVEMENT PROJECT

Virtual Community Meeting

Monday, September 27, 2021 @ 6:30 p.m.

Virtual Link: <https://dekalbcountyga.zoom.us/j/84436790785>





WELCOME AND INTRODUCTIONS

Maria Houser

Director of Consent Decree and Environmental Compliance
DeKalb County

MEETING AGENDA



WELCOME AND INTRODUCTIONS:

Ms. Maria Houser

GREETINGS:

Commissioner Robert Patrick, District 1

A HISTORY OF NEGLECT:

Mr. Zachary Williams, Chief Operating Officer

DEPARTMENT OF WATERSHED OVERVIEW:

Mr. David Hayes, Interim Director

THE ASSESSMENT:

Mr. Brent Zern, P.E., Compliance Manager

THE PROBLEM:

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

THE SOLUTION:

Ms. Cassandra Marshall, CIP Program Administrator

TILLY MILL PROJECT SCOPE OVERVIEW:

Ms. Shawna Prescott, Engineer/Project Manager

TILLY MILL CONSTRUCTION OVERVIEW:

Mr. Arre Kennedy, Construction Project Manager

COMMUNICATIONS:

Ms. Alicia Pennie, Public Relations Manager



GREETINGS

Commissioner Robert Patrick
District 1 – DeKalb County

A HISTORY OF NEGLECT

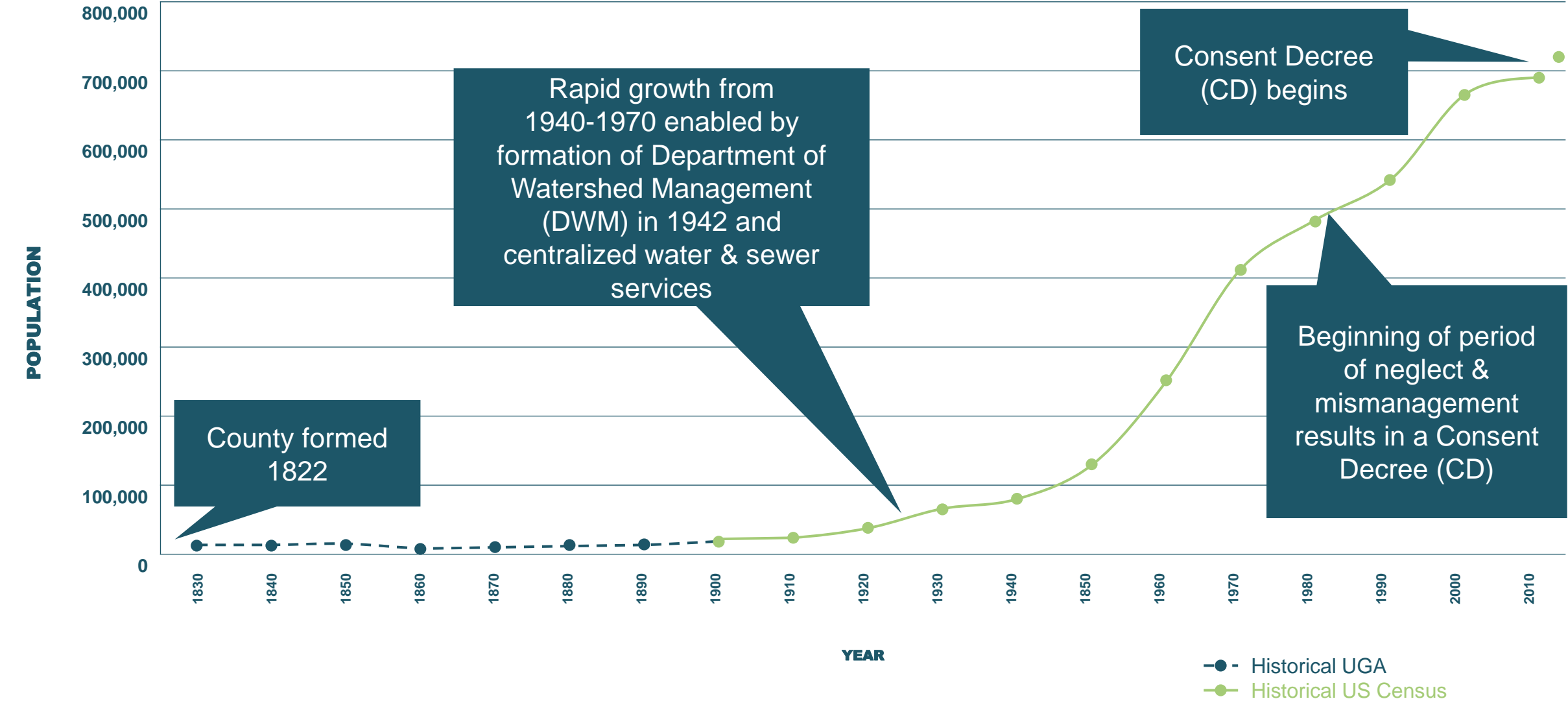
Mr. Zachary Williams
Chief Operating Officer
DeKalb County

Infrastructure Neglect

- Aging System
- Lack of a Capital Improvement Process



The Role of Water and Sewer Services in the Development of DeKalb County





Why did it take so long for repairs?

Construction Progress Delayed:

- Three-year period without Consent Decree Program Manager
- Political interference
- Lack of appropriate oversight
- Allegations of corruption/favoritism
- Lack of transparency
- No procedures and protocols



Getting Back on Track

- CEO Thurmond directly engaged Consent Decree issues via regularly scheduled meetings.
- Prioritized repeat wet weather spill sites.
- Focused on identifying the root underlying issues to symptomatic problems in the sewer system.
- Enhanced coordination and communication between executive leadership, Watershed, Law, Human Resources, IT, Finance, Purchasing, Communications, and the Planning Department.
- Reorganized Watershed Management to elevate the importance of the Consent Decree within the department.
- Addressed Watershed staffing issues by increasing personnel budget and hiring additional professional engineers, modelers, database analysts, flow monitoring personnel, and maintenance, response and repair crews.



DEPARTMENT OF WATERSHED OVERVIEW

Mr. David Hayes
Interim Director

• WHAT WE DO...

- Serve approximately 700,000+ DeKalb County residents
- Treat up to 128 Million Gallons per Day (MGD) finished 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

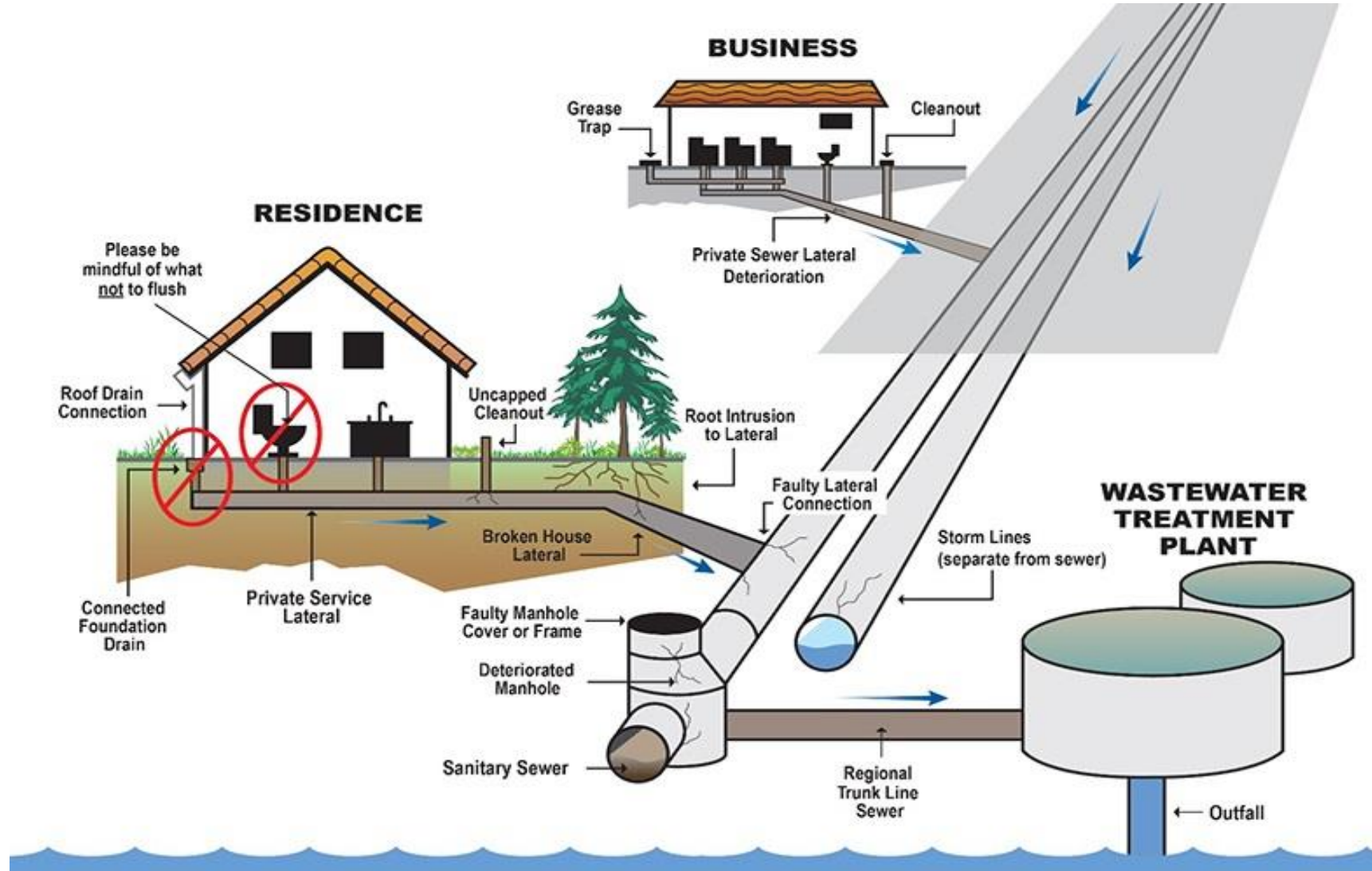
Treat and produce safe, clean drinking water

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.



Kemi Construction
Co., Inc





THE ASSESSMENT

Brent Zern

Compliance Assistant Director

DeKalb County

THE ASSESSMENT



Problem Assessment

- Smoke Testing
 - 10 cleanout caps that needed to be replaced
- Closed Circuit TV
 - Identified over 15 pipes in upstream area with notable defects including holes, cracks, and fractures to be rehabilitated in addition to the pipes to be upsized for capacity
 - These defects can allow groundwater/stormwater to enter the sewer using capacity
 - Rehabilitation of these defects (example on the right was lined Nov 2019) will reduce flow in the pipes
 - 15 vented manhole lids for replacement with solid lids
- Structural Condition Assessment and Inspection
- Acoustical Testing
- Hydraulic Modeling





THE PROBLEM

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

THE PROBLEM

Repeated SSOs

10 wet weather-related spills since 2017 in this area
Most recent spill on May 3, 2021 occurred during a severe wet weather event with rainfall intensities exceeding a 5-year recurrence probability

Priority Fix List (PFL)

Aged Infrastructure

Lack of Capacity

Operational Efficiencies

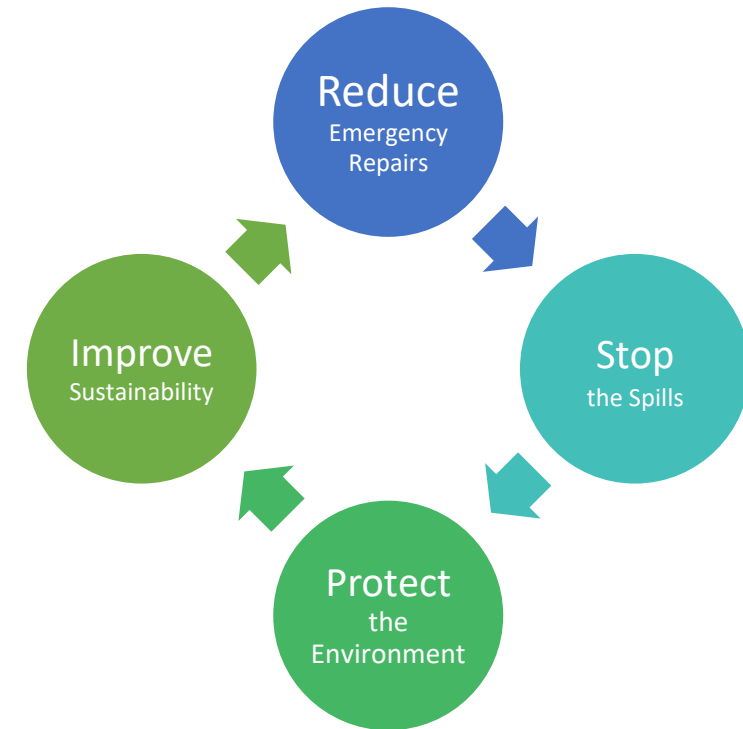
THE SOLUTION

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.
- Earlier this year, the Board of Commissioners approved a new CIP for \$2.4 billion dollars for projects to be completed from 2021 to 2030.
 - Tilly Mill is a \$3.1 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 – PREVIOUS REPAIRS

- Manhole rehabilitation
 - 13 manholes with issues were corrected by DWM field staff. This consisted of the following:
 - **11 manholes with perforated lids were changed to solid covers**
 - **2 manholes below grade were raised above ground level**
- Point repairs – 1 pipe segment
- Pipe lining – 1,150 LF of sewer lined
- Pipe replacement – 145 LF of sewer replaced

TILLY MILL PROJECT SCOPE OVERVIEW

Ms. Shawna Prescott
Project Manager

PROJECT OVERVIEW



November 2016-
December 2020

SURVEY & ASSESSMENT STAGE PLANNING

- Closed Circuit TV (CCTV)
- Smoke testing
- Field survey

WETLANDS SURVEY WORK

- A review of the ecological changes in a habitat.
- Completed before construction.
- Ensure the habitats are restored after the work is complete.

PRECONSTRUCTION

- Design
- Permitting
 - Land Disturbance Permit
 - Stream Buffer Variance
 - Army Corps of Engineers
 - GDOT

Fall 2021 –
Spring 2023

PROJECT PREPARATION and COMMUNITY ENGAGEMENT

CONSTRUCTION

- Groundbreaking/Clearing
- Replacement installation
 - Opencut
 - Jack and Bore

COMPLETION AND RESTORATION

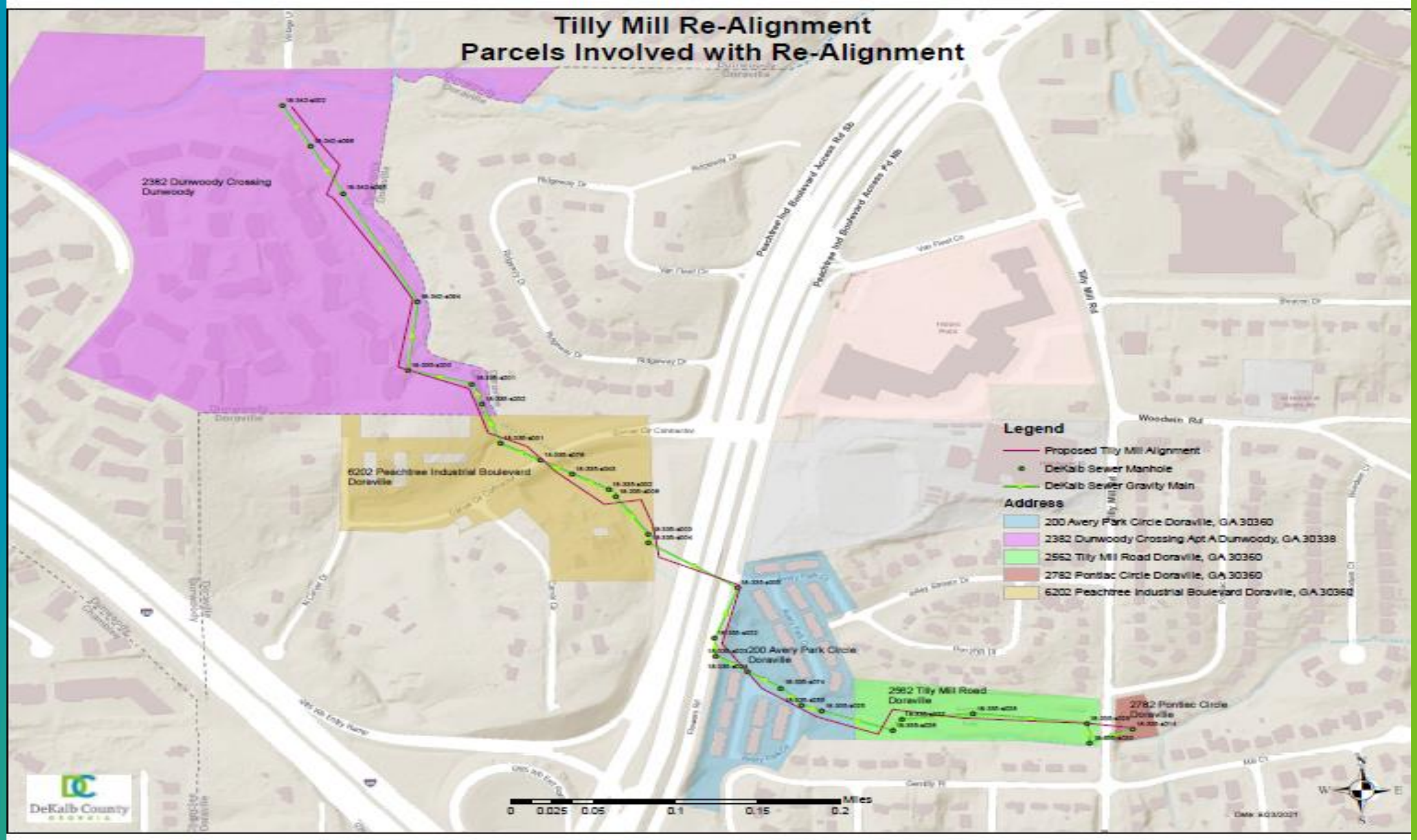
- Road and street repair if any
- Paving (Avery Park Circle)
- Landscape and right of way restoration



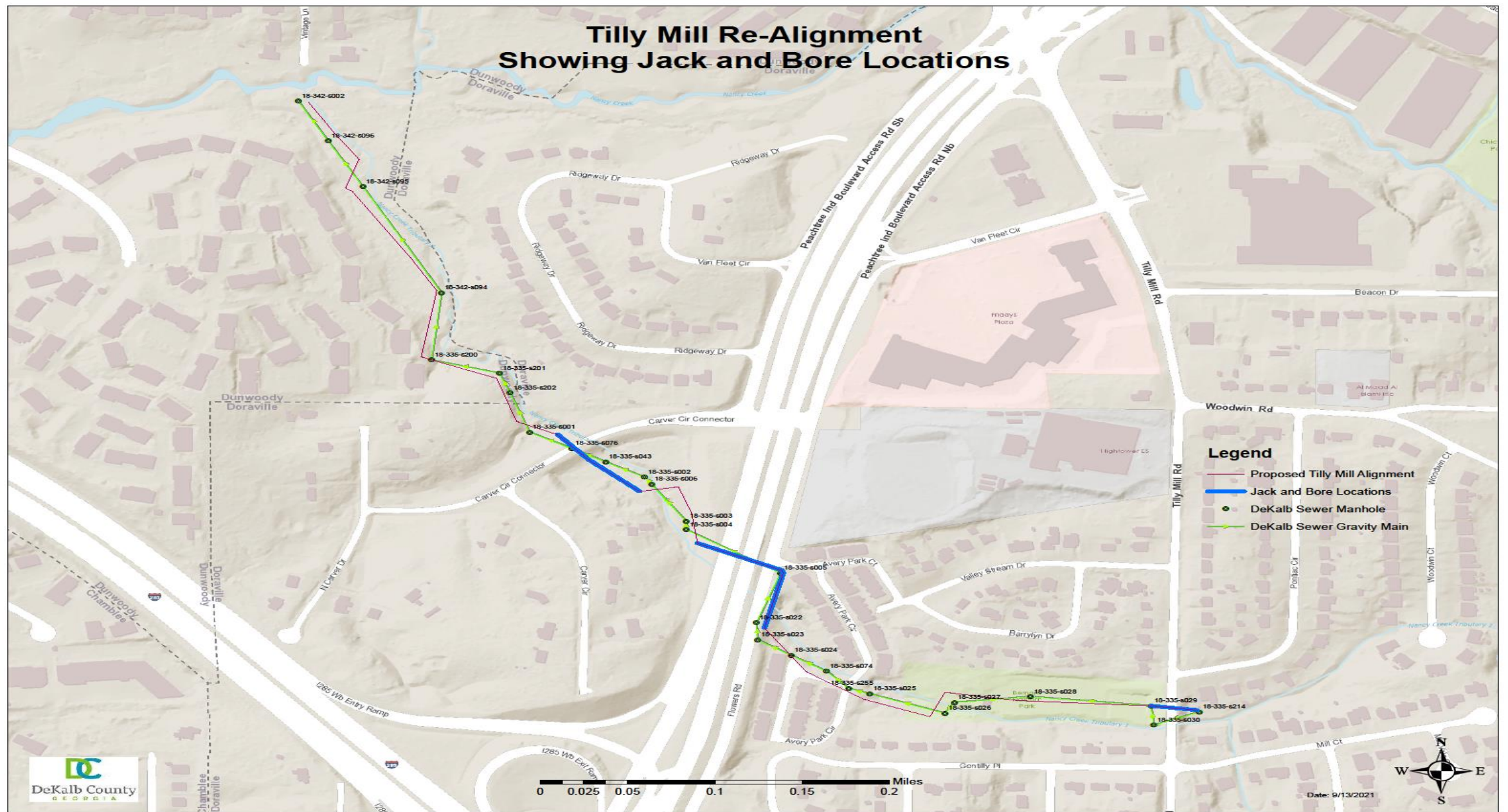
TILLY MILL PROJECT SCOPE OVERVIEW

- Planned work includes
 - Upsize approximately 4,500 linear feet
 - Replace existing 8-inch to 12-inch with 12-inch and 16-inch pipes
 - Jack and Bore Construction of approximately 900 linear feet
 - Open Cut Construction of approximately 3,600 linear feet
 - 31 New Manholes

Tilly Mill Re-Alignment Parcels Involved with Re-Alignment



Tilly Mill Re-Alignment Showing Jack and Bore Locations



METHODS OF CONSTRUCTION



Jack and Bore

- Trenchless method of sewer construction
- Dig a sending pit and a receiving pit to install a new sewer pipe .
- Place a jack and bore machine in the sending pit and
- Cut a hole underground horizontally from the sending pit to the receiving pit, **without disturbing the surface above.**



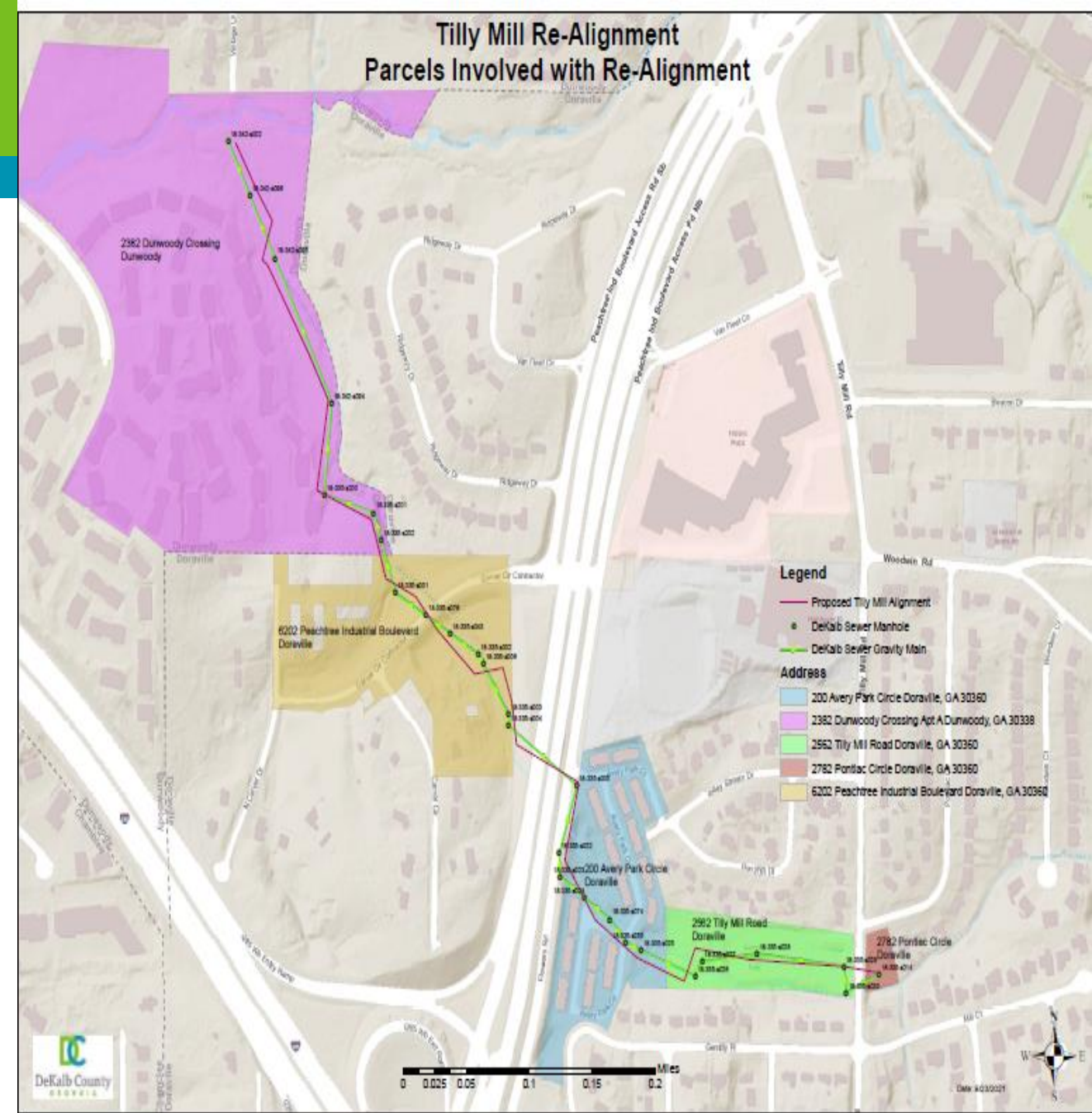
Open Cut Trench Excavation

- Traditional method for sewer construction, repair, or replacement.
- Most economical method of construction to achieve the County's desired results for gravity sewer.
- Provides the service best suited to the scope of this project.

Duration of the Project:

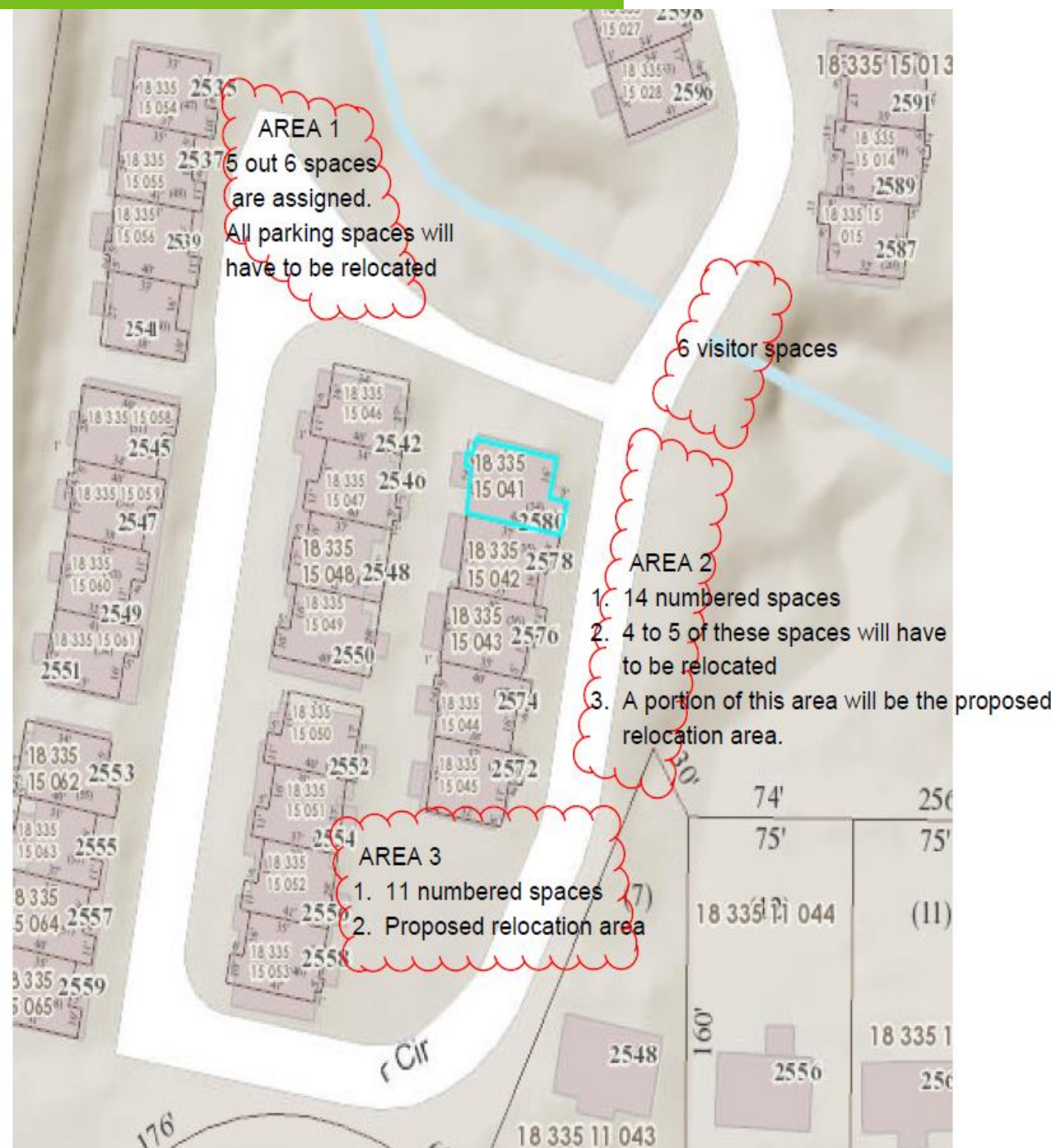
- Project Staking has begun
- Easement Clearing Start
 - October 4, 2021
 - Easement clearing will continue throughout the project.
- Access Preparation Start
 - October 7, 2021
- Construction Start (pipe installation)
 - October 13, 2021
 - Work activities will continue through Spring 2023.

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



RESIDENT IMPACT

- Some residents may be prevented from parking in their normal parking spaces on Avery Park Circle during construction activities.
 - Residents will be notified at least 3 days in advance.
 - We are working with the HOA to assign parking.
- Traffic flow will likely be diverted during work hours but will be restored in the evening.
- Residents/Visitors may need to use the alternative parking for a short term.
- Bernard Halpern Park – DWM explored every possible option of relocating the existing sewer line from under the basketball and soccer courts to minimize the disruption to park activities.



Tilly Mill Construction Overview

Mr. Arre Kennedy
Construction Project Manager

Tilly Mill Project Construction Overview

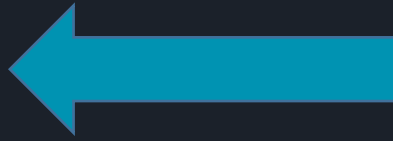
- Boots on the ground
- Responsible for construction activities
 - Clearing within the permanent and temporary easement
 - Ensuring that erosion and sedimentation controls are in place
 - Ensuring proper installation of pipe
 - Enforcing safety measures are followed



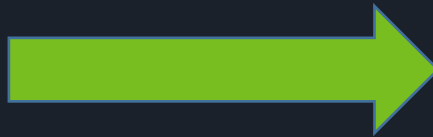
Before



- Construction work zone



- Restoration



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
- 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)
 - 8am – 5pm (high impact residential areas)
- Environmental Protection
 - Construction entrance and exits
 - Minimize dust control and dirt on streets




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

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 2019**. 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.

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
Lorraine Cochran-Johnson

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

Chief Executive Officer - Michael Thurmond

D1 – Comm. Nancy Jester D5 – Comm. Mereda Davis Johnson
D2 – Comm. Jeff Rader D6 – Comm. Kathie Gannon
D3 – Comm. Larry Johnson D7 – Comm. Greg Adams Sr.
D4 – Comm. Steve Bradshaw

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
- Arre Kennedy: amkennedy@dekalbcountyga.gov 678-428-6194
- Alvester Williams: alwilliams2@dekalbcountyga.gov 470-786-2210
- Shawna Prescott: sdprescott@dekalbcountyga.gov 404-574-0998

- Emergency Hotline:

- Dispatch: 770-270-6243

QUESTIONS

