



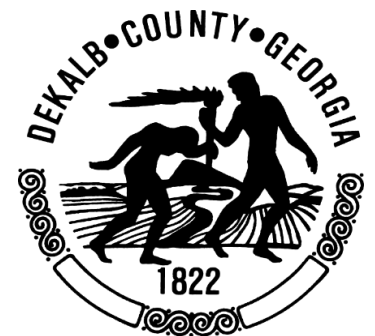
**Emerald Castle
(CD5-P3-10)**

Sewer Line Upsizing Project

Virtual Community Meeting

June 28, 2022 @ 6:30 p.m.

<https://dekalbcountyga.zoom.us/j/83807353331>





WELCOME AND INTRODUCTIONS

Mr. David Hayes
Director



MEETING AGENDA

WELCOME AND INTRODUCTIONS:

Mr. David Hayes, Director

DEPARTMENT OF WATERSHED OVERVIEW:

Mr. David Hayes, Director

THE PROBLEM:

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

THE SOLUTION:

Ms. Cassandra Marshall, PMP, CIP Program Administrator

EMERALD CASTLE PROJECT SCOPE OVERVIEW:

Mr. Kian Baniassad, PMP, Project Manager

EMERALD CASTLE CONSTRUCTION OVERVIEW:

Mr. Arre Kennedy, Construction Manager

COMMUNICATIONS:

Ms. Alicia Pennie, Public Relations Manager

QUESTIONS



DEPARTMENT OF WATERSHED MANAGEMENT OVERVIEW

Mr. David Hayes
Director



WATERSHED MANAGEMENT OVERVIEW

• 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

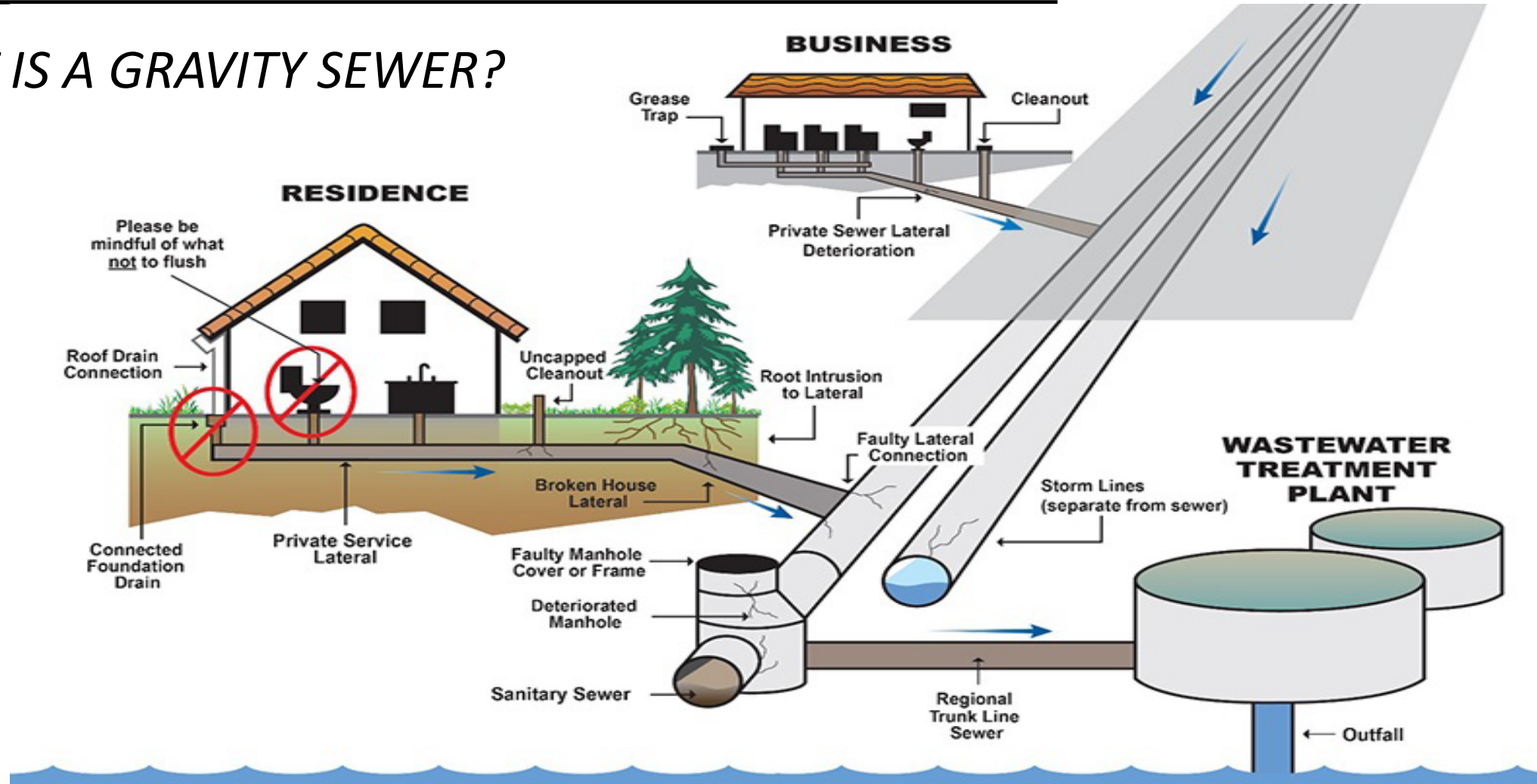
Distribute drinking water to customers

Collect wastewater from customers

Treat wastewater and return to the environment

WASTEWATER SYSTEM OVERVIEW:

WHAT IS 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:



DEPARTMENT OF WATERSHED MANAGEMENT



TEAM INTRODUCTIONS

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





THE PROBLEM

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

THE PROBLEM

Operational
Efficiencies

Priority Fix
List (PFL)

Lack of
Capacity

Aged
Infrastructure

PROBLEM AND THE ASSESSMENT OF IT?

Smoke testing

80 cleanout caps that needed to be replaced

Closed circuit TV

Performed CCTV on over 100,000 LF of pipe in upstream area to determine 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

27 vented manhole lids for replacement with solid lids

Structural condition assessment and inspection

Acoustical Testing

Hydraulic modeling





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.
 - **Emerald Castle Sewer line Upsizing (CD5-P3-10)** project is included in that plan
 - \$1.2B
- The CIP Team is responsible for executing the work done after the engineering has been completed.





**EMERALD CASTLE
(CD5-P3-10)
PROJECT SCOPE OVERVIEW**

Mr. Kian Baniassad, PMP
Project Manager

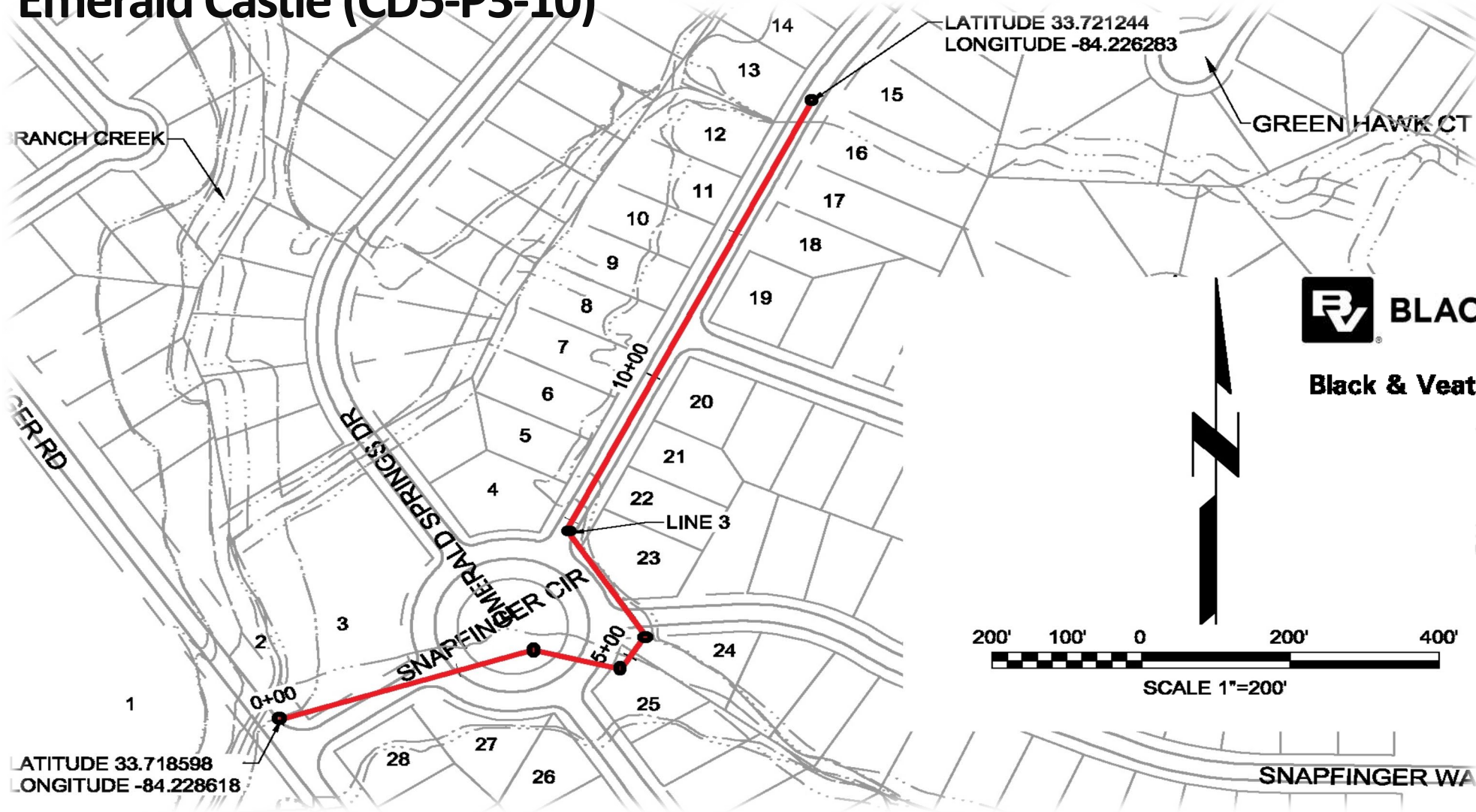
Emerald Castle (CD5-P3-10) Project Scope

Planned work includes

- Upsizing approximately **1,476** linear feet of sewer line
- Size of the existing sewer line is **8** inch
- Size of the new sewer line is **12**-inch
- Method of construction is Open Cut
- There will be **8** new manholes
- Construction is planned to start July 6, 2022
- Work activities will continue through December 2022



Emerald Castle (CD5-P3-10)





**Emerald Castle
(CD5-P3-10)
Project Construction Overview**

Mr. Arre Kennedy
Construction Manager

Emerald Castle (CD5-P3-10) ***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



METHOD OF CONSTRUCTION



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.





THE COMMUNITY

Ms. Cassandra M. Marshall, PMP
Program Administrator

THE COMMUNITY AWARENESS



- What to Expect
 - Construction Traffic (Both Foot Traffic And Vehicles)
 - Construction Deliveries
 - Construction Parking
 - Heavy Construction Equipment
 - Safety and Security
 - Noise Increase
 - Back Up Alarms (Safety Mechanism)
 - Delineating Construction Zones
 - County contractors and employees will have a County issued badge
 - Work Hours
 - 7am – 7pm typical work hours
 - Digging and large equipment usage will be limited to 8 am to 5 pm near homes. The duration of the project is approximately 5 months.
 - Residents will have access to driveway during construction
 - Environmental Protection
 - 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

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

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 48 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. Gamey 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.

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 twitter.com/DeKalbCountyGA

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
- Arre Kennedy: amkennedy@dekalbcountyga.gov
- Virgil Knox: vwknox@dekalbcountyga.gov
- Kerry Williams: kbwilliams@dekalbcountyga.gov
- Kian Baniassad: kbaniassad@dekalbcountyga.gov

- **Emergency Hotline:**

- Dispatch: 770-270-6243

QUESTIONS



CONTACT INFORMATION



Sign up to receive email and project alerts for DeKalb Department of Watershed Management.

