



# Durham County **UTILITIES NEWS**

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## **FIRST QUARTER**

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## ● CAPITAL IMPROVEMENT UPDATES ●

### Chin Page Road Lift Station

The County is partnering with Garney/Freeze & Nichols to begin design of the new lift station and currently working on preliminary site layout and outfall routing.

### Slater Road and Page Park Lift Stations

The 90% design of Slater Road and Page Park Lift Stations has been received and is under review. Guaranteed Maximum Price contracts were approved by the board of county commissioners on November 12th and construction is expected to begin in spring 2025.

### Wexford Sewer Improvements

The contract with Rummel, Klepper, & Kahl, LLP was approved on November 12th by the board of county commissioners. Evaluations are expected to begin in Q1 2025.

### Outfall Improvements Project

The selected bidder is being submitted to the board of county commissioners for approval in January 2025 with evaluations expected to begin in Q2 2025.

### Triangle Wastewater Treatment Plant Phase IV

The project team is currently in the process of choosing equipment to put out to bid. The additional design scope has been written and is on the agenda for board of county commissioners review in January 2025.

## ● OPEN POSITIONS ●

We are hiring! Pursue your passion for water quality and pivot into a career in public utilities. All of the County's open positions can be found and applied to at County Careers link. Contact us with any questions you may have. Currently Utilities is hiring:

- [Utility Supervisor](#)

### WASTEWATER FACT

Modern, low-flow toilets use just 1.28 gallons of water per flush, which can save 2,000 gallons of water a year in a typical household.

### JOKE

How do you know butane is less dense than water?

*It's a lighter fluid.*



[Utilities Website](#)



919-560-9033



5926 NC Hwy 55 East,  
Durham, NC 27713

# NC811 - Call Before You Dig

NC811 is the free, easy service that connects homeowners and contractors with the utility providers to mark underground lines in preparation for digging. Whether you are planting a tree, installing a fence, or breaking ground on a major construction project; call before you dig to ensure underground utilities remain operational.









## How It Works:

1. Call or Click: Dial 811 or submit a request online at [nc811.org](http://nc811.org).
2. Wait for Markings: Utility providers will mark the location of underground lines with colored flags or paint.
3. Dig Safely: Use the information provided to avoid damaging underground utilities.

## Color Code:

### APWA UNIFORM COLOR CODE FOR MARKING UNDERGROUND UTILITY LINES



	PROPOSED EXCAVATION		COMMUNICATION, ALARM OR SIGNAL LINES, CABLES OR CONDUIT
	TEMPORARY SURVEY MARKINGS		POTABLE WATER
	ELECTRIC POWER LINES, CABLES, CONDUIT AND LIGHTING CABLES		RECLAIMED WATER, IRRIGATION, AND SLURRY LINES
	GAS, OIL, STEAM, PETROLEUM OR GASEOUS MATERIALS		SEWERS AND DRAIN LINES

**For all locate requests, call  
811 or 1-800-632-4949**

**Need the status of a locate?  
1-877-632-5050**

Source



# Treatment Process Highlight:

## Preliminary Treatment

### What is Preliminary Treatment?

Preliminary treatment is a crucial first step in the wastewater treatment process, which ensures downstream systems run smoothly and operate effectively. Its primary purpose is to remove large debris, grit, and solids that could damage equipment or hinder subsequent treatment stages.

### What does it involve?

This stage typically involves:

- Screening: Removing large objects like plastics, rags, and other debris.
- Grit Removal: Separating sand, gravel, and other heavy inorganic materials that can cause wear and tear on pumps and pipes.
- Flow Equalization: Balancing the flow rate to optimize treatment performance downstream.



Source



# Share Your Holiday 2024

Share Your Holiday has been helping low-income families, the elderly, and individuals with disabilities during the holiday season for the past 45 years. Social workers identify those who need support and link them with volunteer groups to provide assistance. Durham County Utilities staff was happy to share another holiday with a family in need this season!

