Stevens Creek Wastewater and Lift Station Project

Community Meeting: February 19, 2020
Mint Hill Town Hall
Agenda/Overview

• Meet key project team members
• Wastewater and lift station project overview
• Charlotte Water and Connection Basics
• Q&A
Why are Improvements Needed?

- Lay foundation to bring public wastewater service to a previously underserved area; step one in the process
- Once completed, the lift station will pump wastewater to a treatment plant
- As part of the project, Oxford Glen Wastewater Treatment Plan will be decommissioned
What Has Been Done So Far?

- Field/survey work
- Design and permitting
- Easement acquisitions
- Contractor selection – Crowder Construction
Upcoming Work

• Mobilization and construction – activities will begin in February 2020 and are expected to be completed within 18 months.

• Pre-blast surveying – impacted property owners that have a structure within 500 feet of center of construction will be contacted for pre-blast surveys. Three notifications will be issued.
Construction Activities to Expect

- Clearing and trimming within easements
- Moving equipment on site
- Pipe delivery and storage
- Establishing a safe work zone
- Traffic control measures
- Trench digging, placing pipe and back filling
- Construction traffic in easements
- Blasting (if needed)
What is Blasting?

• Removal of underground rock by use of small controlled blasting
• Blasting is a standard construction procedure
• Seismograph monitor will record all vibrations to ensure they are within specifications
• Impacted property owners will have opportunity for pre- and post-blast surveys
How Does a Wastewater System Work?
Charlotte Water Process for Connecting New Customers

Charlotte Water Wastewater Connection

Charlotte Water Responsibility Road Right of Way

Homeowner Responsibility

Sewer Main

Sewer Lateral

Sanitary Sewer Clean Out

Sewer Vent
Charlotte Water Wastewater Basics

• Charlotte Water is the largest public drinking water and wastewater utility in the Carolinas, serving more than 1M customers in Mecklenburg County.
• Charlotte Water does not include storm water.
• Charlotte Water is not funded with tax dollars, but with customer revenue.
• No one is required to connect.
• Interested property owners can apply.
Wastewater Extension Policy

• Residential property must be:
  • Located within 1,000 feet by street of an existing or under construction wastewater line
  • Able to be served by gravity
  • Not an existing wastewater customer of Charlotte Water
Wastewater Extension Policy

City of Charlotte > Charlotte Water > Development & Connections > Service Connections > New Connections Residential

Residential Service Connections

Charlotte Water installs new water and sanitary sewer services connecting to accessible existing mains upon request by residential/commercial customers.

A water service includes the following:
- Connection to the public water main;
- Service lateral to property line valve or 1 foot behind the meter (whichever is applicable);
- Meter assembly & vault.

A sewer service includes the following:
- Connection to the existing public sewer main or existing/proposed manhole;
- Service lateral to the edge of public road right-of-way or limits of sewer easement;
- Clean out / Stub out for the connection by a private plumber.

Please reference the applicable service request requirements below to determine the necessary items required for subject services:

Residential Domestic Water/Sewer Service Requirements:
- Availability of existing water and/or sewer shall be confirmed with CLT Water Customer Service;
- Residential New Service Application shall be completed.

Resources

- New Service Application for Single Family Residences
- Connection & System Development Fees
- Capacity Assurance Review Application (Flow Acceptance/Willingness to Serve)
- New Service Site Plan Review Checklist
- Alternate Installation Terms and Conditions (Example)
- Sewer Locates Application
- Dismantlement Application
Get More Info on Wastewater Service Connection

• Website
  • charlottewater.org (click on “development and connections”)

• Phone
  • 311 or 704-336-7600

• In person (required for application)
  • Come to 5100 Brookshire Blvd, Charlotte
  • 8-5 Monday thru Friday
Project Communications

- Project contact
  - Jeffrey “Mac” McClanahan, Charlotte Water, Jeffrey.McClanahan@charlottenc.gov, 704-995-7489

- Mailers

- Website: CharlotteWater.org, click on “construction projects”

- Nextdoor