

## Little Hope Creek (LHC) Sewer Replacement Project

Charlotte Water is conducting work for a wastewater replacement project that will increase wastewater capacity for customers in the Little Hope Creek basin, primarily in the Sedgefield and Madison Park neighborhoods. The project will:

- Increase wastewater capacity
- Reduce risk for sanitary sewer overflows (SSOs)
- Protect water quality in the creek
- Replace approximately 30,000 linear feet of aging wastewater pipe
- Replace the existing wastewater pipeline that currently ranges from 8-inch to 24-inch in diameter to 12-inch to 36-inch in diameter

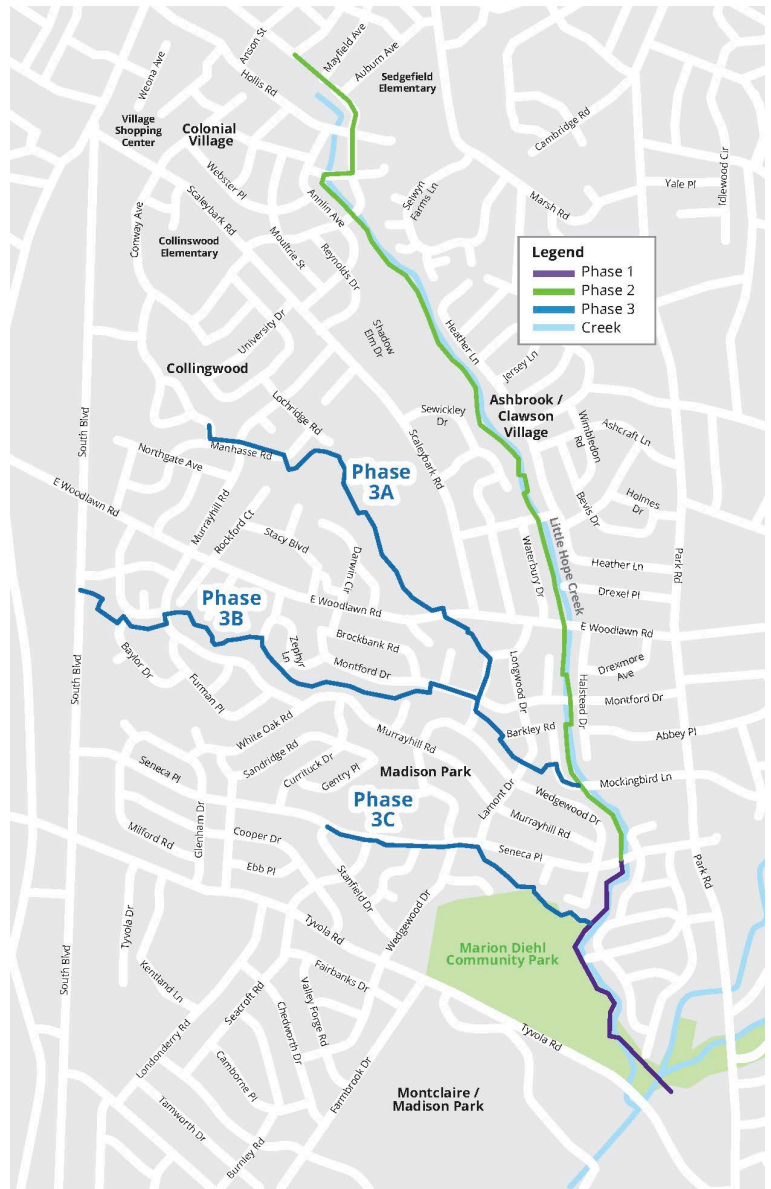
The LHC project has three phases. Phase 1 design is complete, and construction began June 2021.

Phase 2 is estimated to begin construction in March 2022. Phase 3 is in design, with an estimated construction start in 2023.

### Staging Sites

Every project requires an area set aside for storing materials that are needed to construct the project. Staging areas are fenced in for security and privacy reasons. Construction entrances to staging areas are usually covered with gravel (stone). Staging areas can contain materials such as stone, sand and mulch used for construction and restoration purposes. The areas also contain pipes, valves, manholes and heavy construction equipment. If the area is big enough, sometimes contractor employee vehicles can also park in the staging area. For Phase 2 and Phase 3 of the LHC project, the follow conditions for a staging area are needed:

- 1.5 acres minimum of open space either collectively (if many small areas) or contiguously
- Located away from major thoroughfares
- Unforested or at least very few trees that need removal; no official Treasure Trees
- Ability to obtain an easement without condemnation



**Staging Site Suitability (High, Moderate, or Low suitability for serving as a staging site)**

Location	Distance to Project/Construction	Pedestrian/Safety	Available Area/Tree	Traffic	Easement
#1 Pinewood Elementary School/Madison Central Park	Phase 2 – Moderate Phase 3 - High	Low [School and heavily used park]	High [some street trees]	Low [heavily traveled Seneca Place]	Moderate [CMS operated]
#2 Collins Park	Phase 2 – Moderate Phase 3 - Moderate	Moderate [some recreation use]	High	High [local street traffic only]	Low [existing conservation easement]
#3 Collinswood Elementary	Phase 2 – Low Phase 3 - Moderate	Low [School]	Low [highly developed]	Low [heavily traveled Scaleybark Rd]	Moderate [CMS operated]
#4 Apartment complexes	Phase 2 – Moderate Phase 3 – High	Low [dense multi-family pedestrian use]	Low [highly developed & forested]	Low [heavily traveled Scaleybark Rd]	Low [private property]
#5 Apartments	Phase 2 – High Phase 3 – Moderate	Low [dense multi-family pedestrian use]	Low [highly developed, steep slopes & forested]	Low [heavily traveled Scaleybark Rd]	Low [private property]
#6 Montford & Bradbury Corner	Phase 2 – High Phase 3 – High	High [local residential use]	Low [0.5 acres]	Moderate [4-way stop; throughfare to Park Rd]	High [County owned]
#7 EB Moore Park	Phase 2 – Low Phase 3 – Low	Moderate [some recreation use]	Moderate [1.25 acres]	Low [heavily traveled Marsh Rd]	High [County owned]
#8 Mockingbird	Phase 2 – High Phase 3 – High	High [local residential use]	High [2.2 acres; few trees]	High [local street traffic only]	High [County owned]
#9 Heather Ln	Phase 2 – High Phase 3 – Low	High [vacant]	Moderate [forested; 1.9 acres]	High [local street traffic only]	Low [private property; refused voluntary easement]
#10 Marion Diehl	Phase 2 – Low Phase 3 – Moderate	Low [high recreational use]	Moderate [recreation development]	Low [heavily traveled Tyvola Rd]	Low [County owned; refused easement]
#11 Sugar Creek WWTP	Phase 2 – Low Phase 3 – Low	Moderate [industrial site & secured]	Low [forested]	Low [heavily traveled Tyvola Rd]	High [CLTWater owned]
#12 Sedgefield Elementary	Phase 2 – High Phase 3 - Low	Low [School]	High [some trees]	Moderate	Moderate [CMS operated]

