

THE PIPELINE

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Issue BC19

CHARLOTTE
WATER

A NEWSLETTER ABOUT THE BRIAR CREEK PROJECT

Final Phase of Sewer Line Construction Beginning Summer 2016

Final engineering and design for Phase III of Charlotte Water's Briar Creek Sewer Improvement Project is complete and construction is kicking off this summer. Sanders Utility Construction Co., based in Charlotte, is the contractor for this final phase (see map), which starts at Country Club Drive, follows Briar Creek and ends near Harris Boulevard.

Phase I of the project – Sugar Creek Wastewater Treatment Plant near Tyvola and Park roads to Randolph Road at the Mint Museum – was completed in late summer of 2011. Construction for Phase II – Mint Museum to Country Club Drive – was completed in 2014. Phase III is expected to take 24 months and costs approximately \$16 million to complete.

When finished, this project will enhance system performance and protect the water quality in Briar Creek.

Throughout construction, property owners, area residents and businesses near the project route can learn more about construction plans at neighborhood information meetings, through newsletters and other mailings, and by visiting the project website at www.CharlotteWater.org (click on "construction"). If you would like to receive project updates via email, please see inside this newsletter for how to sign up.

About Sanders Utility Construction

Founded in 1997, Sanders Utility Construction is recognized as one of the leading utility contractors in Mecklenburg, Cabarrus and Union

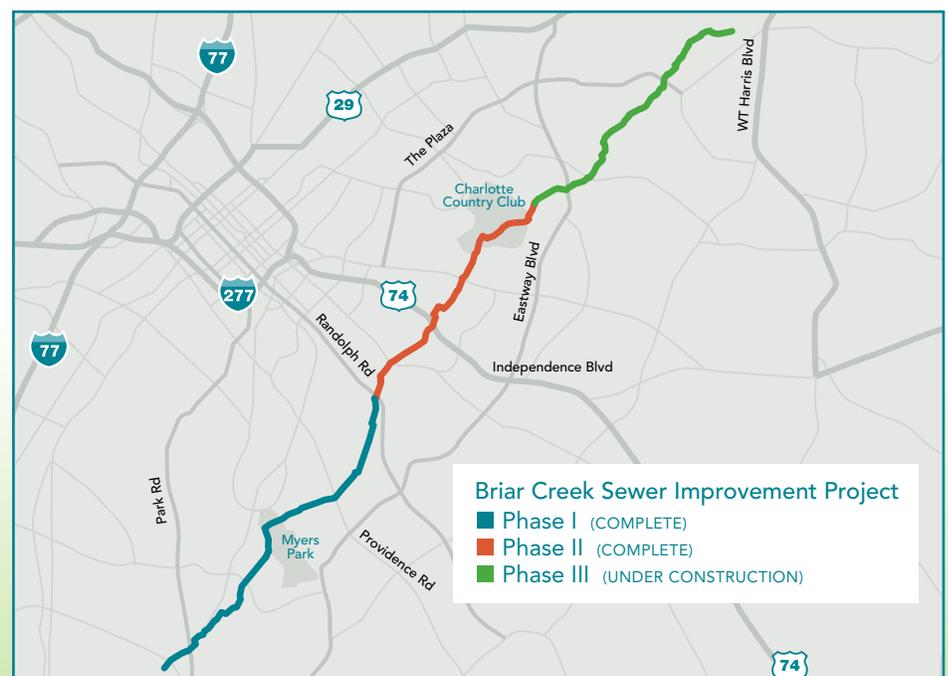
counties. The company employs more than 40 people and has a combined total of 140 years experience in the industry. In addition to water, sewer and storm drain construction projects, Sanders also specializes in boring and tunneling.

Neighborhood Information Meetings

Neighborhood meetings will be coordinated based on the construction schedule and before construction work enters an area. Residents and businesses will be notified when their neighborhood meeting is set. During the meetings, members of the project team will discuss construction and restoration activities,

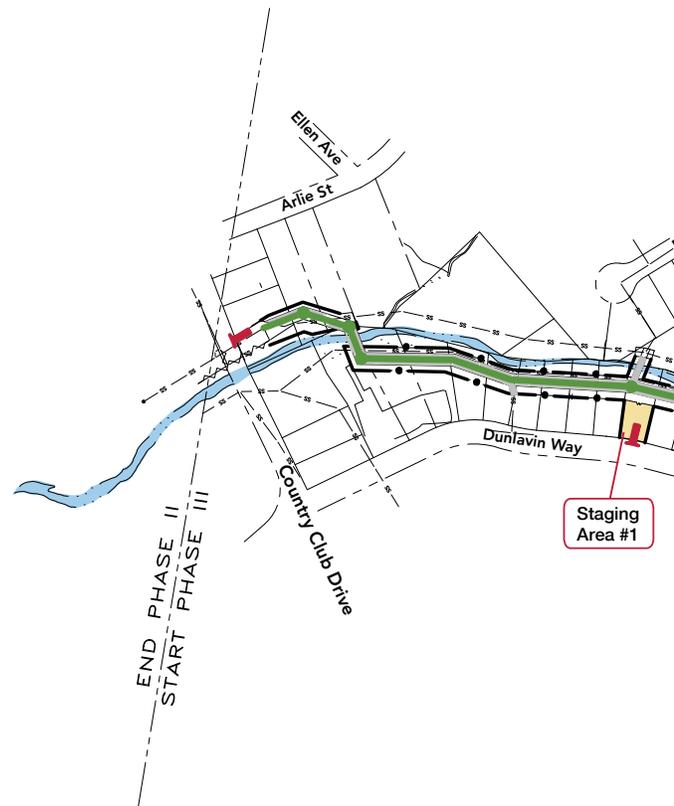
as well as when work is scheduled for the different segments of the project. There will be plenty of time allowed for questions and answers.

"After much planning and preparation, we are pleased to begin the final phase of this project," said Nicole Bartlett, the project manager for Charlotte Water. "We have appreciated residents and businesses along the route working with us throughout the entire project and we are dedicated to continuing the communication so we can minimize daily disruption and help the project move along smoothly."



A Closer Look at the Briar Creek Sewer Improvement Project Route

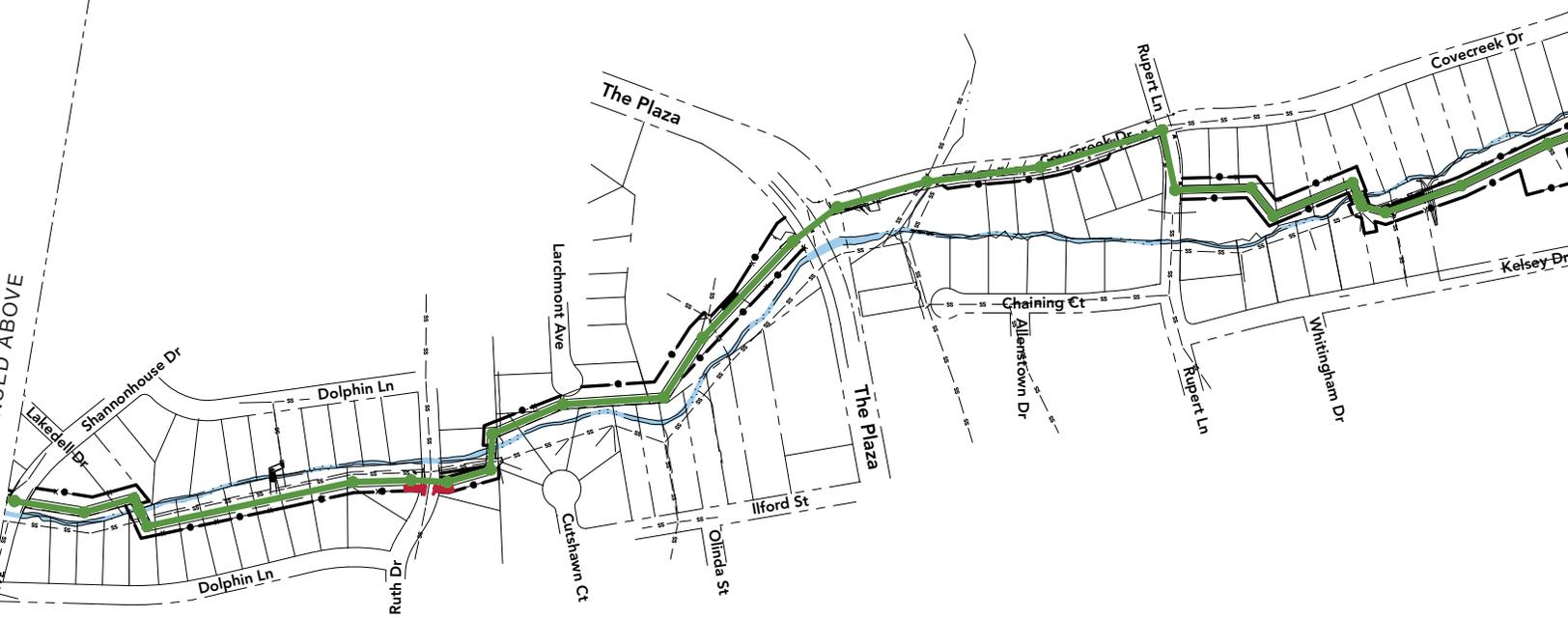
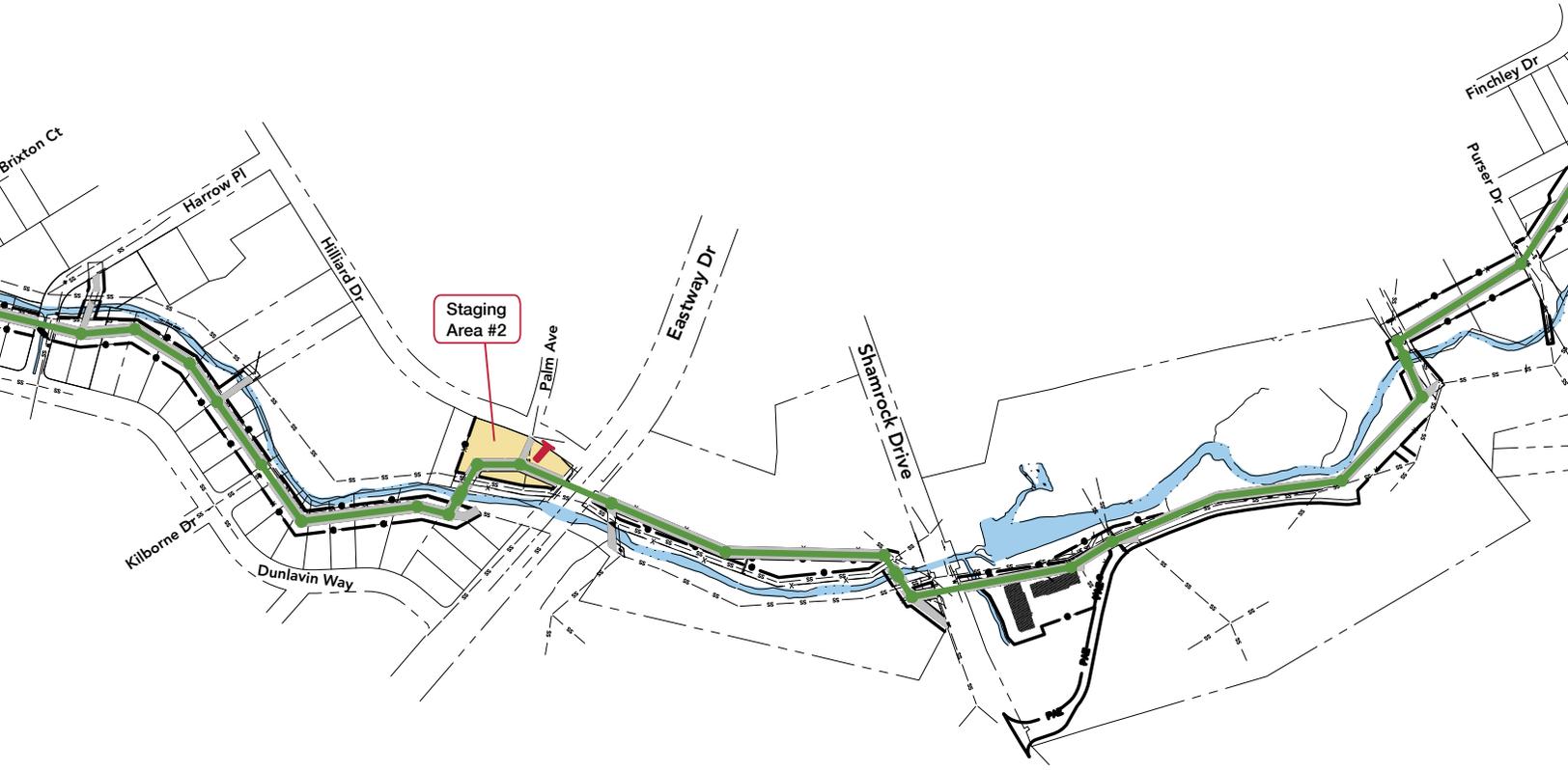
This area map shows the planned path for Phase III of the Briar Creek Sewer Improvement Project. Work has begun at Country Club Drive moving toward Eastway Drive. The contractor may not work in sequence down the alignment and may choose segments based on a number of factors including weather, resources and subcontractor coordination. Residents and businesses will be notified when construction is heading their way. Engineers reviewed the route plans in detail with residents during various community meetings held in 2013.



LEGEND

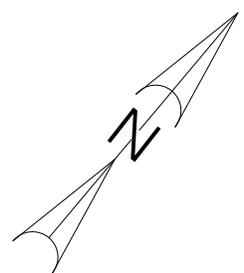
-  Staging Areas
-  Construction Entrances
-  New Sewer Pipe (green)
-  Existing Sewer Pipe (black)
-  Briar Creek

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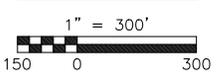




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PLAN



Briar Creek Sewer Improvement Project Q&A

Why is this project necessary?

This project is driven by the need to improve the effectiveness of a sewer system worn by age, high usage, and natural and man-made obstructions. These new pipes will reduce the risk of sewer overflows and protect water quality in Briar Creek.

Will my water or sewer services be disrupted during construction?

Disruptions to water and/or sewer services are not expected. If a service interruption becomes necessary, affected customers will be notified in advance.

How will I know when construction is nearing my property?

Charlotte Water will reach residents and property owners several different ways to communicate construction news.

- Mailings
- Email
- News Media
- Neighborhood Meetings
- Phone
- Website

Who do I contact with questions or concerns?

Please call Cam Coley at 704-391-5106 or Louise Dixon at 704-374-9300 with any questions or concerns about the Briar Creek Sewer Improvement Project.

Will traffic be impacted?

The existing sewer lines are built along Briar Creek so the majority of the work will not impact roadways. When the pipe improvements must cross a street, engineers have planned for many of the major thoroughfares to be tunneled so traffic is not disrupted. However, some traffic control measures will be in place in certain areas during active construction including Hilliard Drive/Eastway Drive, Shamrock Drive, Windsor Harbor Apartments and Covecreek Drive/The Plaza.

Traffic in both directions will be maintained in these areas and traffic flaggers will help guide traffic through the area.

Safety Precautions Around Construction Zones

Throughout construction, the safety of residents along the route is of the utmost importance.

To help secure the construction area, 6-foot fences will be placed around active work zones. The fences will have view-blocking material in most areas.

To limit truck traffic in the surrounding area, trucks delivering pipe and materials to crews will be allowed to access the sewer route only from designated entry points (see map). Orange construction barrier fencing will be placed along the construction easements.

Work hours will be limited to a 10-hour period between 7 a.m. (sunrise) and 7 p.m. (sunset) Monday-Friday, excluding Charlotte holidays. Crews will follow the City of Charlotte noise ordinance.



Join The Email List for Project Updates

Keeping up to date on the Briar Creek Sewer Improvement Project is as easy as checking your email. You can register to receive email updates about the project and construction progress. To register, send your name, property address and email address to briarcreeksewer@carolinapr.com. Please place "Briar Creek Email List" in the subject line.

Construction Activities to Expect

Surveying – Crews may enter easements to mark trees for protection or removal. Orange fencing will be placed around protected trees during construction. Erosion control fences may also be put in place.

Clearing – Trees, shrubs, bushes and other vegetation within the construction easement area will be removed. Tree stumps will be removed and holes filled. Debris will be transported off-site and shredded into mulch.

Establishing a safe work zone – Installation of security fencing and staging of the pipe and other construction materials and equipment.

Blasting – Crews may encounter rock while installing pipe along the route. If rock cannot be excavated by traditional methods, these sections of rock will need to be broken by blasting with small amounts of dynamite. Controlled blasting occurs underground in holes drilled into the rock. Blasting is a standard construction procedure and will be monitored with seismographs to help minimize earth vibration levels.

Trench digging, placing pipe and backfilling – Installation of the pipeline.

No property damage is expected, including when blasting takes place; however, as a precaution, homes and businesses within 500 feet of any potential blasting will receive a pre-construction survey to record the condition of the property with exterior and interior photography. If you have a question about this survey, please call ECS Carolinas at 704-391-7810.



Crews install a section of pipe on the Charlotte Country Club property during Phase II of construction. The pipe is a larger diameter and the easement is wider than most of Briar Creek Phase III.

For the latest information about the Briar Creek project, visit www.CharlotteWater.org and click on “construction” or call the city/county customer service and information center at 311.

Your News About the Briar Creek Project