



TOWN OF ROBBINS STATEMENT OF QUALIFICATIONS

**ENGINEERING SERVICES FOR WATER
SYSTEM IMPROVEMENTS
SEPTEMBER 30, 2022**

Wooten

COVER LETTER

September 30, 2022

Clint Mack – Town Manager
Town of Robbins
101 N. Middleton St.
Robbins, NC 27325



RE: Request for Qualifications – Engineering Services for Water System Improvements

Dear Clint,

The Wooten Company is pleased to submit this Statement of Qualifications for the Town of Robbins 2022 Water System Improvements. We have enjoyed working with the Town of Robbins for the last 12 years. We have provided very similar services for the Town on the CDBG Water System Improvements project. Although that project had its challenges, we worked together to complete a successful project. We will provide the same level of service on the proposed project to help improve the water system in Robbins.

We were able to assist the Town in applying for funding in the Spring from NCDEQ Division of Water Infrastructure which has provided the funding for the proposed project. We understand the need for these water lines to be replaced as they are old and from materials such as cast iron, that provide challenges to system operations.

John Grey, PE will be the primary contact and project manager for the proposed project. John has over 30 years of experience primarily in the Piedmont of North Carolina. John lives in Asheboro which is only 30 minutes from Robbins, so he can be available for meetings and site visits as necessary..

The attached Statement of Qualifications is provided to show:

- Our proposed project team and their vast experience in water system improvement projects
- Some of our project experience that proves we have provided similar services and suitable experience
- The general information on The Wooten Company and our long term commitments to communities in North Carolina very similar to the Town or Robbins.

We appreciate this opportunity to submit this Statement of Qualifications and ask that you contact us if you have questions or need additional information.

Best Regards,

THE WOOTEN COMPANY



W. Brian Johnson, PE – Vice President
120 N. Boylan Avenue, Raleigh, NC 27603
919.828.0531 – bjohnson@thewootencompany.com

FIRM BACKGROUND

The Wooten Company is a privately held, multi-disciplinary firm with 100 employees focused on providing municipal engineering, surveying, and architectural services. Founded in 1936 and incorporated in 1949 in North Carolina, L.E. Wooten and Company (dba The Wooten Company) is now in its 86th year of continuous operation and is licensed by the State of North Carolina to practice engineering and surveying (NC Certificate of Registration F-0115), and architecture (NC Board of Architecture Certificate 50430).

A comprehensive range of capabilities including environmental engineering, general civil engineering, geomatics, mechanical engineering, electrical engineering, plumbing engineering, and architecture affords our clients a singular point of contact for a majority of their infrastructure needs, and therefore efficient and reliable solutions that keep the taxpayer front of mind.

SPECIALTIES

- Water booster pumping, storage and distribution systems
- Water and wastewater treatment
- Water/Wastewater system modeling
- Wastewater collection systems
- Preliminary engineering and environmental assessment documents
- Surveying and Geographic Information Systems
- Infrastructure planning and assessment
- Architectural services
- Mechanical and HVAC design
- Stormwater design
- Electrical design
- Street and sidewalk assessments and design
- Grant assistance (State and Federal)
- Construction administration and observation
- NCDOT coordination
- Asset Inventory and Assessments of Water and Wastewater Infrastructure

LOCAL OFFICE

300 S. Main Street, Lower Level
Winston-Salem, NC 27101
Contact: John Grey, PE
P: 336.722.5326
E: jgrey@
thewootencompany.com

OFFICE LOCATIONS



TECHNICAL APPROACH

Overview

The Town of Robbins purchases water from Montgomery County, but maintains the water distribution system. The distribution system has several locations where there are old Cast Iron and AC lines that are critical pieces of the Town's distribution system. The Cast Iron lines have tuberculated enough to reduce the effective flow area that pressure and water quality problems are present. There are also some lines that are undersized that need to be replaced with larger 6" water lines that are more suitable for fire flows adequate for house fires.

The project focuses on primary lines that the Town has had problems with in the past, so replacement will reduce maintenance costs in the future.

Project Understanding

We understand the Town of Robbins is soliciting proposals from qualified firms for engineering services necessary to implement the projects which are being funded in part by the American Rescue Plan Act (ARPA) as follows:

The project will replace approximately 11,860' of 4" and 6" lines with 6" line and associated valves and fire hydrants. It will replace 20 non-functioning valves in other parts of the water system, and replace 360 water meters in other parts of the water system.

Project Approach

The Wooten Company's scope of services will first involve having a Kickoff meeting to discuss the coordination of the project. We will then begin completing the PER and Environmental Document as required by DWI. Then we will move into the survey and design phase once DWI has approved the preliminary documents and the project scope is accepted. The design phase will create the bidding documents which will include a set of drawings, showing the location of the replacement lines, and the Project Manual, which will include the bidding documents, contracting documents and the technical specifications. These documents must be submitted for permits from DEQ, Public Water Supply Section, Land Quality Section and NCDOT for approval. They will also have to be submitted to DWI for approval to allow the Town to proceed with Bidding the project. The Town may need to acquire property or easements for the project, so we will provide property or easement maps so the Town can proceed with negotiations and obtain the needed property prior to bidding the project.

Once the bidding documents are approved by DWI and other permitting agencies, we will assist the Town in advertising the project and receiving bids, as well as through construction of the improvements. Our services will also include assisting the Town with the funding documentation that will be required through the project. We will also assist with the bidding and construction phases of the project to help the Town complete the project.

Just as we have striven to do in the past, we will keep the Town informed and provide assistance throughout the process of making the desired improvements to the water system. We look forward to this opportunity to continue to work with the Town of Robbins.

TECHNICAL APPROACH

Communication

As is true in any situation, clear concise and frequent conversation between all parties is the key to a successful project. This project will be no different. Even though we are very familiar with the proposed project, we believe it will be beneficial to begin this project, as mentioned above, by conducting a “kickoff” meeting. This meeting would include key members of The Wooten Company’s project team and those members of the Town staff who will be involved in the project. We will discuss the role that each team member will play and establish your preferred lines of communication.

Throughout the project we keep the client contact informed of project status and upcoming milestones. This can be done through monthly progress meetings, or just an email update. The Town’s preference on how best to communicate and how often will be discussed in the kickoff meeting. As phases of the project are completed, we will provide draft documents for review and comment, then work to provide the completed documents as shown in the schedule noted below.

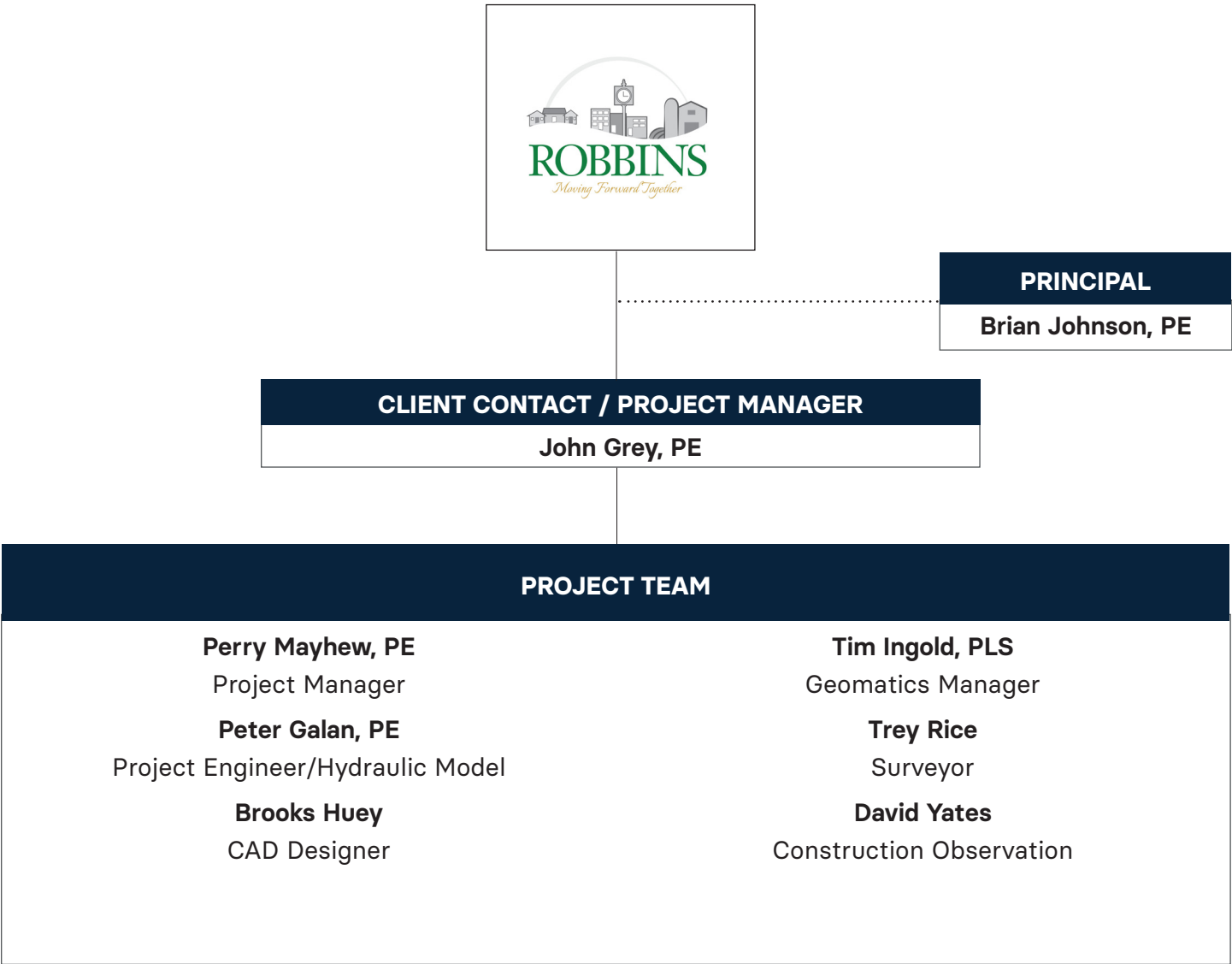
Initial Schedule

Milestone	Date
Selection of Engineering Firm	Oct 2022
Engineering Agreement execution	Nov 2022
Kickoff Meeting	Nov 2022
Submission of PER and Environmental Document	Mar 2023*
Approval of Report	May 2023
Project Design complete and submission for permits	Nov 2023
Advertise, Bid and Negotiation of project	June 2024
Complete Construction	Sept 2025

**We recognize that DWI has requested submission of the PER by Dec 1, 2022, however, this will need to be negotiated because it typically takes 3 months to complete a PER. We have successfully negotiated adjustment of required schedules on other projects and are certain this will be acceptable to DWI. The primary goal is to have all projects complete by the end of 2026.*

PROJECT TEAM

Our team will provide Robbins with comprehensive services for this project. We have provided engineering services throughout North Carolina since our founding in 1936. Our years of service have provided a successful path for managing infrastructure projects. We have a group experienced with working on similar projects in the region and will leverage this experience to work as a team with Town staff to make this project a success.



PROJECT TEAM



JOHN GREY, PE

Client Contact / Project Manager

Joining The Wooten Company in 1998 to open the firm's Asheboro Branch Office, John Grey now has over 30 years of experience in the design and construction administration phases of water distribution projects and wastewater collection projects, water and wastewater treatment projects and site development projects. Recently having moved this office, John provides oversight and management on a variety of disciplines for the Winston-Salem Regional Office of The Wooten Company, ranging from project funding strategy, to design, bidding and all the way through construction contract administration and observation services.

Education:

BS, Civil Engineering, NCSU

Registrations:

Professional Engineer, NC

Relevant Projects:

Montgomery County - Asset Management Plan

Town of Robbins - CDBG Water System Improvements

Montgomery County - Fairway Shores Water Main Replacement



BRIAN JOHNSON, PE

Principal

Brian Johnson, PE, is the Director of Engineering Services for The Wooten Company as well as a member of Wooten's Board of Directors. Since 1996 Brian has applied his engineering expertise to provide planning, analysis, and design of many infrastructure projects for local governments throughout North Carolina and South Carolina. He has worked on and managed numerous projects, large and small, for Wake County. Brian's project responsibilities have included preliminary studies, design, permitting, and construction administration, and the details included with each project phase.

Education:

BS, Civil Engineering, NCSU

Masters of Civil Engineering, NCSU

Registrations:

Professional Engineer, NC, SC; LEED AP

Relevant Projects:

Montgomery County - Asset Management Plan

Town of Robbins - CDBG Water System Improvements

Montgomery County - Fairway Shores Water Main Replacement



PERRY MAYHEW, PE

Project Manager

Perry Mayhew has 22 years of experience in design and construction of municipal infrastructure. He started his career in municipal work with the Charlotte Mecklenburg Utility Department (Charlotte Water) in 1999. There he was a Project Design Engineer specializing in water distribution, wastewater collection and low-pressure sewer systems. Perry has worked closely with NCDOT and SCDOT to design intersection improvements and utility relocations. Perry designed the utility relocations for the southern I-485 widening and new construction of the northern loop in Mecklenburg County, NC. Other NCDOT projects included the utility coordination and relocation in Rowan County during the widening of I-85.

Education:

BS, Civil Engineering, UNC-Charlotte

MBA, UNC-Chapel Hill

Registrations:

Professional Engineer, NC, SC

Relevant Projects:

Town of Harrisburg - Water System Imp.- under design

Town of Candor - WWTP Repairs for Hurricane Florence



TIM INGOLD, PLS, CFS

Geomatics Manager

Tim Ingold serves as The Wooten Company's Geomatics Practice Manager. He has over 40 years of experience in the land surveying field, including over 25 years managing land surveying departments for multi-disciplined engineering and surveying firms. He has been licensed as a Professional Land Surveyor in NC since 1985. Tim has developed a comprehensive understanding of local, state, and federal laws and codes and technical standards pertinent to the geomatics practice as it applies to the protection of the public interests.

Education:

AAS, Surveying Technology, Guilford Tech. CC

AAS, Civil Engineering Technology, Guilford Tech. CC

Registrations:

Professional Land Surveyor, NC

Certified Floodplain Surveyor

Relevant Projects:

Montgomery County - Fairway Shores Water Main Replacement

Town of Robbins - CDBG Water System Improvements

Town of Harrisburg - Water System Imp.- under design

PROJECT TEAM



PETER GALAN, PE

Project Engineer / Hydraulic Model

Peter Galan joined The Wooten Company in 2015 and has been a member of the Water Resources – General Civil Practice for his entire tenure at The Wooten Company. Peter has developed innovative solutions to public water and wastewater projects as these projects have progressed from the pre-design phase to the design phase and into construction. From developing preliminary engineering reports, engineering information documents, and alternatives analyses to creating, calibrating, and modifying hydraulic water and sewer models, he strives to determine the impact of a project on existing and proposed infrastructure. He has used his extensive experience with the permitting process to ensure minimal delay as projects are developed, acquiring permits from a number of agencies.

Education:

BS, Environmental Engineering, NCSU

Registrations:

Professional Engineer, NC

Relevant Projects:

City of Raleigh – Peace St. Utility Improvements

City of Raleigh – Water Line Replacement



BROOKS HUEY

CAD Designer

When he joined the Winston Salem Regional Office, Brooks Huey brought with him 14 years of CAD drafting experience, using both Microstation and Autocad, in transportation infrastructure design in Florida, and is now responsible for working alongside project managers to prepare preliminary and final design drawings. Additionally, Brooks has over eight years of experience as a GIS Analyst including work on Florida's Turnpike Asset Management team where he shared responsibility for creating and maintaining file geodatabases of a variety of Tolling-specific capital assets whose life-cycle data were used in future funding models. While CAD drafting has been the primary mainstay of Brooks' career, he is comfortable wearing a variety of 'different hats' and has additional experience with Sharepoint site administration as well as project scheduling.

Education:

AAS, Political Science, Tallahassee Community College

Relevant Projects:

Town of Robbins – CDBG Water System Improvements

Montgomery County – Fairway Shores

Town of Harrisburg – Water System Imp.- under design



TREY RICE

Survey Technician

Trey Rice joined the Winston-Salem office of The Wooten Company in 2021. Trey has 7 years experience in surveying including 4 years in charge of a surveying field crew conducting many types of surveys including property surveys.

Relevant Projects:

Town of Harrisburg – Water System Imp.- under design



DAVID YATES

Field Services

David Yates has over 25 years in the manufacturing business where he dealt with construction and maintenance of equipment and building facilities. David has worked as a construction inspector for TWC for over 2 years monitoring and observing civil engineering projects of all sizes and complexity. His observation duties include day-to-day observation on the project during the construction phase to ensure conformance to the design, approved plans and specifications, confirm pay quantities, provide observation reports and communication daily with the construction administrator.

Education:

MBA, Clemson University

Certification:

Stormwater SCM Inspection & Maintenance

Relevant Projects:

Town of Robbins – Water System Improvement

Town of Robbins – FEMA-Low Water Crossing

Montgomery County – Fairway Shores Water Main Replacement

PROJECT EXPERIENCE

TOWN OF ROBBINS - 2016 CDBG WATER SYSTEM IMPROVEMENTS

Contact: Clint Mack, Town Manager, 910.948.2431

The Town of Robbins has been struggling with aging waterlines with low pressure and water quality issues. To address these issues, eliminate DBPs and NOVs, and provide fire protection capabilities, the Town submitted for and received a CDBG-I grant. Project activities included replacement of approximately 12,300 LF of waterlines; installation of a new 2,100 LF 8" transmission main along Gardenia Rd; installation approx. 1,600 LF of looping waterline to tie off dead-end lines; and booster pump station improvements. The Wooten Company was selected to provide field survey, design and permitting, construction contract administration, and construction observation services, as well as grant administration services. The project was completed in 2020.



TOWN OF ROBBINS - WATER SYSTEM ASSET INVENTORY AND ASSESSMENT

Contact: Clint Mack, Town Manager, 910.948.2431

The Town of Robbins has been working to try and gather information on their water and sewer systems. Some work had been done on the sewer system, so the Town applied for and received an AIA grant to work towards completing an Asset Management Plan. The project involved mapping the water system to develop an inventory assessment of the Town's water distribution system, water modeling, and the development of an Asset Management Plan. The project was grant funded by NC Environmental Quality Division of Water Infrastructure and completed in 2019.



CITY OF OXFORD - 2017 USDA WATER & SEWER IMPROVEMENTS

Contact: Amy Ratliff, City Engineer, 919.603.1105

The 2017 USDA Water & Sewer Improvements for the City of Oxford was a project to address undersized and aging infrastructure identified in their Asset Management Plan. The project consisted of over 37,000 LF of waterline replacements and 14,000 LF of sewer rehabilitation and replacement in areas throughout the City. Key factors to this project were completing all construction in NCDOT right-of-way before a Spring 2019 re-paving and coordination with another design firm performing similar work in tandem with our project. We worked closely with the City Engineer and Public Works staff to incorporate institutional knowledge of existing conditions into our design as well as new City design standards and details.

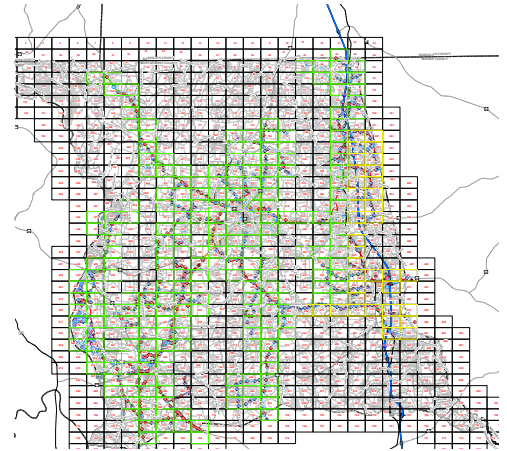


PROJECT EXPERIENCE

MONTGOMERY COUNTY - ASSET MANAGEMENT PLAN

Contact: Frankie Maness, County Manager, 910.439.6197

Montgomery County treats water from the Yadkin River Basin by withdrawing water from Lake Tillery. Then the water is treated and delivered to customers throughout the county including all of the municipalities in Montgomery County and the Town of Robbins. The County desired to have a better understanding of their water system to help them in planning for maintenance and cost of service. The County applied for and received a NCDEQ Division of Water Infrastructure grant to work towards completion of an Asset Management Plan. The County hired Charles Underwood and Associates to complete an assessment of all booster pump stations, the WTP and the water intake facility. They hired The Wooten Company to GPS map the water system, help coordinate the assessment of the facilities, provide a hydraulic model of the water system and provide an Asset Management Plan.



TOWN OF FRANKLINVILLE - 2017 WATER SYSTEM IMPROVEMENTS (TTHM REMOVAL)

Contact: Arnold Allred, Public Works Director, 336.824.2604

The Town of Franklinville purchases water from the Town of Ramseur and has been experiencing high TTHMs for several years. In response to a letter from the State, Franklinville worked with Ramseur and Randolph County in trying to find a solution. A study was completed by The Wooten Company looking at levels of Chlorine, TTHM, and HAA in the Ramseur and Franklinville Systems. The results of the study recommended installation of TTHM removal systems in the Franklinville elevated tanks to remove TTHMs that had formed and some improvements at the Ramseur WTP to provide a secondary chlorine feed point to reduce the formation of TTHM in the WTP clearwell. This project was submitted to NCDEQ Division of Water Infrastructure and received grant and loan money. The Project will address problems with Disinfection Byproducts (DBPs) in the Town of Franklinville water system by installing TTHM removal systems in the Clark St Tank and Providence Grove Tank as well as install a second chlorine feed point at the Ramseur WTP. The project was completed in 2021.



PROJECT EXPERIENCE

MONTGOMERY COUNTY - FAIRWAY SHORES NORTH AND SOUTH WATER MAIN REPLACEMENT

Contact: Frankie Maness, County Manager, 910.439.6197

The Wooten Company helped Montgomery County to replace old and undersized distribution water lines. The North portion of the project involved existing lines which range from 1.5" to 3" in the area of the Fairway Shores North Subdivision on Lake Tillery to provide adequate pressures, volume and fire protection. The project included approximately 12,000 LF of 6-inch water lines. The South portion of the project involved existing lines which range from 1.5" to 4" in the area of the Fairway Shores South Subdivision on Lake Tillery. Approximately 6,700 lf of 6" to provide adequate fire protection and 1,150 lf of 4" water main is included in the project. The north portion of the project was funded with a grant and loan from Division Of Water Infrastructure. The project was completed in 2021.

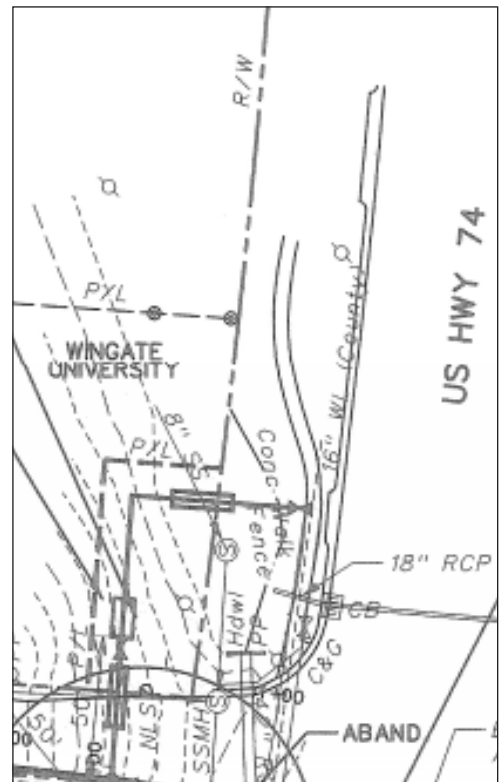


TOWN OF WINGATE - WATER SYSTEM IMPROVEMENTS

Contact: Brad Sellers, Town Manager, 704.233.4411

PHASE I – The Town of Wingate, NC had to improve its fire flow capabilities as well as improve the reliability of the water system within the Wingate University campus. The Wooten Company provided design, bidding and negotiation, construction administration and construction observation for the locally funded, \$842,000 project. The design involved installation of 2,500 LF of 12 inch waterline and 3,000 LF of 8 inch waterline through campus. The project also included 750 feet of curb and street improvements and 1,500 feet of sidewalk. A great deal of coordination with University staff was required to conduct construction alongside the continuing operation of campus. The project was completed in 2012.

PHASE II - The Town of Wingate, NC was experiencing leakage and frequent breaks in their smaller (2") galvanized waterlines and needed to undertake a project to repair or replace these lines. The Wooten Company was asked to assist the town by providing assistance with funding acquisition and administration, design services, bidding and negotiation services, construction administration and construction observation services. The water system improvements involved replacement of the existing 2-inch galvanized lines with 15,400 LF of 6-inch waterline, 1,100 LF of 12-inch waterline and 4,100 LF 2-inch waterline. The Wooten Company arranged funding assistance for the \$1.8 million project through USDA-Rural Development and construction on the water system was completed in 2015.



FAMILIARITY WITH LOCALITY

The Wooten Company has been working with the Town of Robbins for over 12 years and have a wealth of other experience in the area. Below is a list of a few projects we have assisted with in the Town of Robbins:

PAST PROJECTS

- 2015 Powell Bill Mapping
- 2018 Water System Improvements
- Consultant Services
- FEMA Assistance Projects
- Street Pavement Assessment
- Surveying and Mapping Services
- Wastewater PER and ER (USDA)
- Water System Asset Inventory and Assessment
- Well Water Supply System
- 2017 Powell Bill Mapping
- CDBG Water System Improvements

As a team devoted to supporting the health and welfare of communities throughout the Carolinas, we sincerely appreciate the opportunity to develop our working relationship with Robbins. These referenced qualifications are the results of decades of hard work and commitment - a proud cornerstone of our practice - to the communities that we call home.

A tradition of
DESIGNING THE FUTURE ►