

CRAIG D NURSEY, PE
WITHERSRAVENEL, INC
115 MACKENAN DRIVE
CARY, NC 27511



NORTH CAROLINA
Environmental Quality

ROY COOPER
Governor

ELIZABETH S. BISER
Secretary

RICHARD E. ROGERS, JR.
Director

September 11, 2023

Aqua North Carolina, Inc.
Attention: Lauren Plummer, P.E., Engineering Manager
202 Mackenan Court
Cary, North Carolina 27511

Re: Engineering Plans Approval
Distribution Extension
McBane Park Subdivision
Chapel Ridge
Water System No.: NC4019009, Chatham County
Serial No.: 23-00767

Dear Applicant:

Enclosed please find one copy of the "Application for Approval..." together with one copy of the referenced engineering plans bearing the Division of Water Resources stamp of approval for the referenced project. These engineering plans are approved under Division of Water Resources Serial Number 23-00767, dated September 11, 2023.

Engineering plans prepared by Craig Nursey, P.E., call for the installation of approximately 2,045 linear feet of 8-inch water main, 5,885 linear feet of 6-inch water main, 2,020 linear feet of 4-inch water main, valves, fire hydrants, blowoff assemblies, and other related appurtenances to serve 149 single family lots in the McBane Park subdivision. The proposed water main will connect to the existing 8-inch water main near the intersection of Old Graham Road and McBane Park Drive. The proposed water main will be installed in seven phases with temporary blowoff assemblies between each connecting phase. Phase 1 includes the installation of water main along Southwood Lane and McBane Park Drive. Phase 2 includes the installation of water main along McBane Park Drive. Phase 3 includes the installation of water main along Wynwood Drive and Bradfield Ct. Phase 4 includes the installation of water main along Wynwood Drive, Stanton Ct, and Loxley Dr. Phase 5 includes the installation of water main along Wynwood Drive and Galax Ct. Phase 6 includes the installation of water main along Barclay Lane and Loxley Drive. Phase 7 includes the installation of water main along a section of Loxley Drive and Wynwood Drive serving lots 11-19, 21-26, and 135-139. Construction of this project must be in accordance with the Aqua North Carolina, Inc.'s standard specifications.



North Carolina Department of Environmental Quality | Division of Water Resources
512 North Salisbury Street | 1634 Mail Service Center | Raleigh, North Carolina 27699-1634
919.707.9100

Please note that in accordance with 15A NCAC 18C .0309(a), no construction, alteration, or expansion of a water system shall be placed into service or made available for human consumption until the Public Water Supply Section has issued Final Approval. Final Approval will be issued and mailed to the applicant upon receipt of both an Engineer's Certification and an Applicant's Certification submitted in accordance with 15A NCAC 18C .0303 (a) and (c).

These plans in the foregoing application are approved insofar as the protection of public health is concerned as provided in the rules, standards and criteria adopted under the authority of Chapter 130A-317 of the General Statutes. This approval does not constitute a warranty of the design, construction, or future operation of the water system.

One copy of the "Application for Approval..." and a copy of the plans with a seal of approval from the department are enclosed. One copy of the approved documents in a digital format (USB) is being forwarded to our Raleigh Regional Office. The second USB is being retained in our office.

If the Public Water Supply Section can be of further service, please call (919) 707-9100.

Sincerely,

DocuSigned by:
Suzanne Martin for
665918BCF31D420...

Rebecca Sadosky, Ph.D., Chief
Public Water Supply Section
Division of Water Resources, NCDEQ

RS/SGM

Enclosures: Approval Document

cc: Public Water Supply Section, Raleigh Regional Office
Chatham County Health Department
WithersRavenel, Inc.
North Carolina Utilities Commission, Water Division



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September 11, 2023

AQUA NC
ATTN: MICHAEL A MELTON, ENGINEERING MGR.
202 MACKENAN CT.
CARY, NC 27511

Re: **Authorization to Construct (This is not a Final Approval)**
Issue Date: September 11, 2023
MCBANE PARK SUBDIVISION
Serial No.: 23-00767 Water System No.: NC4019009
Chatham County

Dear Applicant:

This letter is to confirm that a complete Engineer's Report and a Water System Management Plan have been received, and that engineering plans and specifications have been approved by the Department for **MCBANE PARK SUBDIVISION, Serial No.: 23-00767**.

The "Authorization to Construct" is valid for 36 months from the issue date. Authorization to construct may be extended if the Rules Governing Public Water Supplies and site conditions have not changed (see Rule .0305). The "Authorization to Construct" and the engineering plans and specifications approval letter shall be posted at the primary entrance of the job site before and during construction.

Upon completion of the construction or modification, **and prior to placing the new construction or modification into service**, the applicant must submit an Engineer's Certification and Applicant's Certification to the Public Water Supply Section.

- **Engineer's Certification:** in accordance with Rule .0303 (a), the applicant shall submit a certification statement signed and sealed by a registered professional engineer stating that construction was completed in accordance with approved engineering plans and specifications, including any provisions stipulated in the Department's engineering plan and specification approval letter.
- **Applicant's Certification:** in accordance with Rule .0303 (c), the applicant shall submit a signed certification statement indicating that the requirements for an Operation and Maintenance Plan and Emergency Management Plan have been satisfied in accordance with Rule .0307 (d) and (e) and that the system has a certified operator in accordance with Rule .1300. The "Applicant's Certification" form is available at <http://www.newater.org/> (click on Public Water Supply Section, Plan Review, Plan Review Forms).

Certifications can be sent by mail, fax (919-715-4374), or attachment to an e-mail message to **PWSSection.PlanReview@ncdenr.gov**.

If this "Authorization to Construct" is for a new public water system, the owner must submit a completed **application for an Operating Permit** and the appropriate fee. For a copy of the application for an Operating Permit please call (919) 707-9085.

Once the certifications and permit application and fee (if applicable) are received and determined adequate, the Department will issue a Final Approval letter to the applicant. In accordance with Rule .0309 (a), **no portion of this project shall be placed into service until the Department has issued Final Approval**.

Please contact us at (919) 707-9100 if you have any questions or need additional information.

Sincerely,

A handwritten signature in black ink that reads "Rebecca Sadosky".

Rebecca Sadosky, Ph.D., Chief
Public Water Supply Section
Division of Water Resources, NCDEQ

cc: SHAWN GUYER, P.E., Regional Engineer
WITHERSRAVENEL, INC



North Carolina Department of Environmental Quality | Division of Water Resources
512 North Salisbury Street | 1634 Mail Service Center | Raleigh, North Carolina 27699-1634
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North Carolina Department of Environmental Quality
Division of Water Resources

Authorization to Construct

Project Applicant:	AQUA NC
Public Water System Name and Water System No.:	CHAPEL RIDGE S/D NC4019009
Project Name:	MCBANE PARK SUBDIVISION
Serial No.:	23-00767
Issue Date:	September 11, 2023
Expiration Date:	36 Months after Issue Date

In accordance with NCAC 18C .0305, this Authorization to Construct must be posted
at the primary entrance to the job site during construction.
