



**NORTH CAROLINA**  
*Environmental Quality*

**ROY COOPER**

*Governor*

**ELIZABETH S. BISER**

*Secretary*

**RICHARD E. ROGERS, JR.**

*Director*

February 13, 2023

GRIFFITH CAPITAL, LLC  
WARREN MITCHELL, PE, MEMBER/MANAGER  
104 AMBER WOOD RUN  
CHAPEL HILL, NC 27516

Re: **Water System Management Plan**

WSMP Complete Date: February 13, 2023

Serial No.: 22-01151

Water System No.: NC4019030

Water System Name.: PYEWACKET S/D  
Chatham County

Dear Sir/Madam:

The Public Water Supply Section has completed its review of the Water System Management Plan (WSMP) for PYEWACKET S/D and has determined that the plan is complete.

Please note that an "Authorization to Construct" for any construction, alteration, or expansion requires the submittal of a complete Water System Management Plan and an Engineer's Report and approval of Engineering Plans and Specifications. No construction shall be undertaken, and no contract for construction, alteration, or installation shall be entered into until the Department issues an Authorization to Construct letter in accordance with 15A NCAC 18C .0305(a).

For tracking purposes, please provide the WSMP Serial Number displayed above on all future submittals concerning this WSMP.

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

Sincerely,

A handwritten signature in cursive script that reads "Jay Frick".

Jay Frick  
Deputy Section Chief  
Public Water Supply Section  
Division of Water Resources

cc: SHAWN GUYER, P.E., Regional Engineer  
MACCONNELL & ASSOCIATES, P.C.



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

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NORTH CAROLINA  
Environmental Quality

February 13, 2023

Griffith Capital, LLC  
Attention: Warren Mitchell, P.E., Member/Manager  
104 Amber Wood Run  
Chapel Hill, North Carolina 27516

Re: Engineering Plans and Specifications Approval  
Groundwater System  
Pyewacket Subdivision - Phase 1  
Water System: Pyewacket S/D  
Water System No.: NC4019030, Chatham County  
Serial No.: 22-01152

Dear Applicant:

Enclosed please find one copy of the "Application for Approval..." together with one copy of the referenced engineering plans and specifications bearing the Division of Water Resources stamp of approval for the referenced project. These engineering plans and specifications are approved under the Division of Water Resources Serial Number 22-01152, dated February 13, 2023.

Engineering plans and specifications prepared by David C. Barcal, P.E., call for the construction of a new well, Well No. 2 (WSF ID: W02) with a 30.4 gpm pumping capacity (38 gpm yield), 443.8 feet TDH, 5 HP submersible pump, well head piping, well house, sodium hypochlorite and polyphosphate feeding systems, one (1) 5,400-gallon ASME coded hydropneumatic storage tank with automatic pressure controls. Engineering plans prepared by William Z. Shipman, P.E. of Shipman Engineering, PLLC also call for the installation of approximately 3,540 feet of 4-inch water main, valves, and associated appurtenances along Pyewacket Trail, Mathilda Place, Clementine Way, and proposed easement to serve 32 new single-family lots within Phase 1 of Pyewacket Subdivision located off Jones Ferry Road in Chapel Hill, Chatham County.

Hydropneumatic tanks with a capacity greater than 120 gallons must be constructed and stamped in accordance with the American Society of Mechanical Engineers (ASME) Pressure Vessel Code stamped with the ASME "U" symbol stamp and registered with the National Board of Boiler and Pressure Vessel Inspectors. These tanks must be inspected by the Department of Labor, Boiler Safety Bureau after installation but prior to operation. Please call (919) 707-7918 to schedule an inspection.

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



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February 13, 2023

GRIFFITH CAPITAL, LLC  
ATTN: WARREN MITCHELL, PE, MEMBER/MANAGER  
104 AMBER WOOD RUN  
CHAPEL HILL, NC 27516

Re: **Authorization to Construct (This is not a Final Approval)**  
Issue Date: February 13, 2023  
PYEWACKET SUBDIVISION PHASE 1  
Serial No.: 22-01152      Water System No.: NC4019030  
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 **PYEWACKET SUBDIVISION PHASE 1, Serial No.: 22-01152**.

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.ncwater.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](mailto: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**.

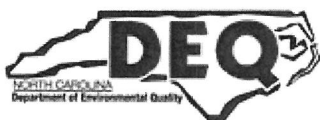
Please contact us at (919) 707-9100 if you have any questions or need additional information.

Sincerely,

A handwritten signature in cursive script that reads "Jay Frick".

Jay Frick  
Deputy Section Chief  
Public Water Supply Section  
Division of Water Resources

cc: SHAWN GUYER, P.E., Regional Engineer  
MCCONNELL & ASSOCIATES, PC



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North Carolina Department of Environmental Quality  
Division of Water Resources

Authorization to Construct

Project Applicant:	GRIFFITH CAPITAL, LLC
Public Water System Name and Water System No.:	PYEWACKET S/D NC4019030
Project Name:	PYEWACKET SUBDIVISION PHASE 1
Serial No.:	22-01152
Issue Date:	February 13, 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.

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