



North Carolina Department of Environment and Natural Resources  
Division of Environmental Health

Beverly Eaves Perdue  
Governor

Terry L. Pierce  
Director

Dee Freeman  
Secretary

April 21, 2009

Mr. Charlie R. Horne  
Chatham County Public Works  
12 East Street  
Pittsboro, North Carolina 27312

Re: Engineering Plans and Specifications Approval  
Water Main Extension by  
Chatham County Water System  
to serve Briar Chapel, Phase 5 South A  
ID No.: 03-19-126, Chatham County  
DEH Serial No.: 05-00476

**This is not an Authorization to Construct**

Dear Mr. Horne:

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 Environmental Health stamp of approval for the referenced project. These engineering plans and specifications are approved under Division of Environmental Health serial number 09-00476, dated April 2, 2009.

Engineering plans and specifications prepared by Michael J. E. Sanchez, P.E., call for the installation and construction of waterlines to serve 28 residential lots in Briar Chapel, Phase 5 South A. The waterlines consist of approximately 1,055 feet of 8-inch ductile iron pipe and associated appurtenances along Serenity Hill Circle and Hill Creek Boulevard. This approval is subject to the condition that the vents for vacuum release valves (combination air valves) are above grade.

While issuing this approval, Public Water Supply points out that the currently approved Water System Management Plan number for Chatham County Water System is 05-00592 rather than the 99-02125 cited in the application.

Please note that an "Authorization to Construct" requires both this approval of Engineering Plans and Specifications and submittal of a complete Water System Management Plan. 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).

These plans and specifications cited 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 each enclosed document is being forwarded to our Raleigh Regional Office. The third copy is being retained in our permanent files.

If Public Water Supply can be of further service, please call on us at (919) 733-2460.

Sincerely,

Tony C. Chen, P.E.  
Lead Engineer, Plan Review  
Technical Services Branch

TCC:VJT:sep

Enclosures: Approval Documents

cc: Michael L. Douglas, P.E., Raleigh Regional Office  
Chatham County Health Department  
Michael J. E. Sanchez, P.E., John R. McAdams Co., Inc.

Public Water Supply Section - Jessica G. Miles, Chief  
1634 Mail Service Center, Raleigh, North Carolina 27699-1634  
Phone: 919-733-2321 \ FAX: 919-715-4374 \ Lab Form FAX: 919-715-6637 \ Internet: ncdrinkingwater.state.nc.us  
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North Carolina Department of Environment and Natural Resources  
Division of Environmental Health

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April 6, 2009

CHARLIE R HORNE  
12 EAST STREET  
PITTSBORO, NC 27312

Re: Authorization to Construct  
BRIAR CHAPEL, PHASE 5 SOUTH A  
CHATHAM CO WATER SYSTEM  
CHATHAM County, NC0319126

**Authorization to Construct (This is not a Final Approval)**

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 **BRIAR CHAPEL, PHASE 5 SOUTH A**, DEH Serial No. 09-00476.

The Authorization to Construct is valid for 24 months from the Issue Date (refer to next page). 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 Certification directly to **VINCE TOMAINO, P.E.** of this office.

- **Engineer 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 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 Certification" form is available at <http://www.deh.enr.state.nc.us/pws/> (click on Plan Review Forms, under Plan Review heading).

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) 715-3214.

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.

If the Public Water Supply Section can be of further assistance, please call (919) 733-2321.

Sincerely,

Tony C. Chen, P.E.  
Technical Services Branch

TCC:VJT

cc: MICHAEL L. DOUGLAS, P.E., Regional Engineer  
THE JOHN R MCADAMS COMPANY INC-DURHAM

Public Water Supply Section - Jessica G. Miles, Chief  
1634 Mail Service Center, Raleigh, North Carolina 27699-1634  
Phone: 919-733-2321 \ FAX: 919-715-4374 \ Lab Form FAX: 919-715-8637 \ Internet: [ncdrinkingwater.state.nc.us](http://ncdrinkingwater.state.nc.us)

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**State of North Carolina**  
**Department of Environment and Natural Resources**  
**Division of Environmental Health**

**Public Water System Authorization to Construct**



**Public Water System Name  
 and PWSID NO.  
 (if available):**

CHATHAM CO WATER SYSTEM  
 NC0319126

**Project Name:**

BRIAR CHAPEL, PHASE 5 SOUTH A

**DEH Serial No.:**

09-00476

**Issue Date:**

4/3/2009

**Expiration Date:**

24 Months after Issue Date

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