

**North Carolina Department of Environment
And Natural Resources
Division of Water Resources
Public Water Supply Section**

Application for Approval of Engineering Plans and Specifications For Water Supply Systems

Applicant	Design Engineer
<u>Chatham County</u> <small>(Name of Board, Council or Owner – the Applicant)</small>	<u>Grant M. Livengood, P.E.</u> <small>(Name of Design Engineer of Record)</small>
<u>Charlie Horne, County Manager</u> <small>(Name and Title of Authorized Official or Representative of the Applicant)</small>	<u>McKim & Creed, Inc.</u> <small>(Name of Engineering Firm)</small>
<u>12 East Street, Courthouse Annex</u> <small>(Street or Box Number)</small>	<u>1730 Varsity Drive, Suite 500</u> <small>(Street or Box Number)</small>
<u>Pittsboro, NC 27312</u> <small>(City, State & ZIP)</small>	<u>Raleigh, NC 27606</u> <small>(City, State & ZIP)</small>
<u>(919) 542-8200</u> <small>(Phone Number)</small>	<u>(919) 233-8091</u> <small>(Phone Number)</small>
<u>(919) 542-8272</u> <small>(FAX Number)</small>	<u>(919) 233-8031</u> <small>(FAX Number)</small>
<u>Charlie.Horne@chathamnc.org</u> <small>(Email address)</small>	<u>glivengood@mckimcreed.com</u> <small>(Email address)</small>
 <small>(Signature of Authorized Official or Representative of the Applicant)</small>	

Project Name: Briar Chapel – Phase 11
(Name of Project to appear on Public Water Supply Section records and tracking system)

Approximately 2,100 LF of 6-inch, 725 LF of 8-inch and 340 lf of 12-inch ductile iron water main and all associated appurtenances
(description of project)

To the east of Granite Mill Boulevard and south of recent Phases 7 & 8
(general location of project)

in Chatham County.

Date _____
(for DENR use only)

Serial No. _____
(for DENR use only)

Application for Approval of Engineering Plans and Specifications for Water Supply Systems

To: Division of Water Resources,
Department of Environment and Natural Resources

The **Applicant** applies under and in full accord with the provision of NCGS 130A-317, and such other statutes and rules as relate to public water systems. The **Authorized Official or Representative of the Applicant** represents that he is authorized to act for the **Applicant**. The **Authorized Official or Representative of the Applicant** understands and agrees to the following:

1. The **Applicant** shall not award contracts or begin construction without first receiving "Authorization to Construct" from DENR.
2. The **Applicant** shall make no change or deviation from the engineering plans and specifications approved by DENR except as allowed by 15A NCAC 18C .0306 or with the written consent and approval of DENR.
3. The **Applicant** shall obtain Final Approval from DENR prior to placing the project (or any portion thereof) into service.
4. Digital (PDF) submittals are true image copy of the original sealed/signed documents.

An authorized representative of the **Public Water System** (not always the same as the **Applicant**) is to complete and sign the following WSMP section.

Status of Water System Management Plan (WSMP)

Check one of the following, and if applicable, provide the required information:

- The WSMP for the project, as defined in the attached engineering plans and specifications, has not been submitted.
- Three copies of the WSMP for the project, as defined in the attached engineering plans and specifications, are submitted with this application.
- The WSMP that includes this project, as defined in the attached engineering plans and specifications, was previously submitted.

Provide the following:

Public Water System Name: North Chatham

Owner Name: Chatham County

Water System No: NC 03-19-126

Serial Number of approved WSMP: 12-00936

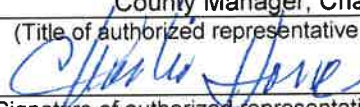
By my signature below, I certify that the previously submitted WSMP contains the information required by 15A NCAC 18C .0307(c) for the project defined in the attached engineering plans and specifications.

Charlie Horne

(Type or print name of authorized representative of Public Water System)

County Manager, Chatham County

(Title of authorized representative of Public Water System)


(Signature of authorized representative of Public Water System)

7/11/14
(Date)

Application for Approval of Engineering Plans and Specifications for Water Supply Systems

In accordance with NCGS 130A-328, the Public Water Supply Section charges a fee for plan review. **Any documents submitted for review must be accompanied by a check payable to DENR-Public Water Supply Section before the review will begin.**

There is a \$25 fee for returned checks.

The charges for review of plans are shown below. Check one of the following.

Distribution System fees

- | | | |
|-------------------------------------|-----------------------------------------------------------|-------|
| <input checked="" type="checkbox"/> | Construction of water lines, less than 5000 linear feet | \$150 |
| <input type="checkbox"/> | Construction of water lines, 5000 linear feet or more | \$200 |
| <input type="checkbox"/> | Other construction or alteration to a distribution system | \$ 75 |

Ground Water System fees

- | | | |
|--------------------------|----------------------------------------------------------------|-------|
| <input type="checkbox"/> | Construction of a new ground water system or adding a new well | \$200 |
| <input type="checkbox"/> | Alteration to an existing ground water system | \$100 |

Surface water system fees

- | | | |
|--------------------------|-------------------------------------------------------------------|-------|
| <input type="checkbox"/> | Construction of a new surface water intake or treatment facility | \$250 |
| <input type="checkbox"/> | Alteration to existing surface water intake or treatment facility | \$150 |

Other fees

- | | | |
|--------------------------|--------------------------------------------------------|-------|
| <input type="checkbox"/> | Water System Management Plan review | \$ 75 |
| <input type="checkbox"/> | Miscellaneous changes or maintenance not covered above | \$ 50 |

Notes:

1. Projects for Tank Rehabilitation use separate "Application for Water Tank Reconditioning Plan Approval."
2. The fee is not refundable if the plans are not approved
3. Revisions to plans to address the Public Water Supply Section's or other state agency's comments do not incur an additional fee.
4. If one set of plans has multiple related items (such as a new well with construction of water lines) only one fee must be submitted for highest price item. The amounts are not cumulative, except for fees for Water System Management Plans.
5. **If the appropriate plan review fee is not received within ten days after the receipt of plans and specifications for approval, then all plan documents will be recycled. A new set of documents must then be submitted with the appropriate fee for approval.**

This approval does not address all applicable laws, rules, standards and criteria, and other approvals and licenses that may be required by the local, state or federal government.

The Public Water Supply Section gives this approval with the understanding that upon installation of such works, its operation shall be placed under the care of a competent person, and the operation shall be carried out according to best accepted practice and in accordance with DENR's recommendations.

The Public Water Supply Section has stamped and sealed the official copies of plans and specifications accompanying this application with the serial number of this application _____ . Any erasures, additions or alterations of the proposed improvements except those permitted in 15A NCAC 18C .0306 make this approval null and void.

This approval does not constitute a warranty of the design, construction or future operation of the water system.

Signed: _____
Public Water Supply Section
DENR

Application for Approval of Engineering Plans and Specifications for Water Supply Systems

Other Information and Checklist Page

- Attached is a check for the proper plan review fee amount, in accordance with NCGS 130A-328. See note 4 on page 3.
-

This submittal includes one paper original with two digital (PDF) CDs of the following items, each item in separate folders:

- This completed "Application for Approval of Engineering Plans and Specifications for Water Supply Systems"
- The sealed plan drawings, separate file in PDF format for each drawing. Cover sheet must include drawings index;
- The project-specific Engineering Report (ER) describing the scope and purpose of the project and addressing each of the items listed in 15A NCAC 18C .0307(b), including the design basis of the project. [15A NCAC 18C .0307(b) (12)];
- Specifications for this project; **OR**
- The project will use the following system's previously approved standard specifications for waterline extensions:

Name of System: _____

Serial Number: _____

The Serial Numbers for previously approved standard specifications can be found at the following website:

<http://www.ncwater.org/pws/PlanReview/stdspecs.html>

One of the following:

- Attached is a letter signed by an authorized representative of the Public Water System agreeing to serve the project and stating that the system has adequate supply;

OR

- The **Applicant** is the Public Water System.
-

If the project has sought funding (for example, DWSRF loan) list the program and (if available) the application or funding number below:

Program Name	Application or Funding Number, if available



by
Newland COMMUNITIES

Technical Specifications

Briar Chapel - Phase 11

Date: June 30, 2014

UTILITIES PLAN REVIEW
Review is for general conformance with Chatham County Specifications, NCDOT, NCDENR and Material standards. This review does not exempt plans from other review requirements.

- Approved
- Approved with Modifications
- Revise and Resubmit
- Disapproved

CHATHAM COUNTY PUBLIC UTILITIES & WATER DIVISION
P.O. Box 910, Pittsboro, NC 27312

Date: 7/22/14 By: [Signature]

Prepared for:
Chatham County Water Department
964 East Street
Pittsboro, NC 27312-0130

Prepared by:
McKim & Creed, Inc.
1730 Varsity Drive
Suite 500
Raleigh, NC 27606



McKim & Creed Project #02735-0109



by
Newland COMMUNITIES

Engineer's Report

Briar Chapel - Phase 11

Date: June 30, 2014

UTILITIES PLAN REVIEW

Review is for general conformance with Chatham County Specifications, NCDOT, NCDENR and Material standards. This review does not exempt plans from other review requirements.

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