



Chatham County, NC Stormwater Permit

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|---------------------|
| STORMWATER PERMIT#: |
| 2014-006 |

On the date listed below, the Chatham County Stormwater Administrator received a request to consider the following application:

| | | | |
|---------------------------------------|-------------------------------|-----------------------|--------------------------|
| Application Date: | Oct. 9, 2014 | Approval Date: | November 5, 2014 |
| Record Owner(s): | Westfall Subdivision Phase 3A | | |
| Property Location: | Within existing Westfall SD | | |
| Parcel Identification Number & Lot #: | 20092 | Acreage: | 14.17 acres (this phase) |
| Built-Upon Area Coverage (acres): | 3.66 acres (this phase) | Total Disturbed Area: | 3.43 acres (this phase) |

Type and Number of BMPs Proposed: One wet pond designed for 90% TSS removal efficiency will be utilized for stormwater control at the site. Pond reduces peak flows to pre-development rates for the 1, 2, 5 and 10 year design storms. Nutrient outflow from the development has been shown to meet the required discharge limits for the Lower New Hope Watershed of Jordan Lake.

SECTION 1. APPROVAL. Having reviewed the application and all supporting materials the Stormwater Administrator has determined that the application is complete, and subject to the conditions imposed below, and the proposed development meets the requirements of the Chatham County Stormwater Ordinance.

SECTION 2. CONDITIONS. Therefore, the above referenced site and land used is hereby approved and subject to all applicable provisions of the Chatham County Stormwater Ordinance, Sections 3 and 4 of this permit, and the following condition(s) which the Stormwater Administrator finds necessary for the proposed development to meet the intent of the ordinance:

1. This permit shall be valid for a period of two years from the date of issuance unless a valid building permit has been issued and maintained for the site or the permit has been revoked by Chatham County. If, after two years the permitted activity has not begun nor a valid building permit secured, this permit shall expire.
2. The development of the tract shall proceed in conformity to all plans, design features, and restrictions submitted as part of the stormwater permit application and kept on file by the Chatham County Planning Department except that the Chatham County Stormwater Administrator may approve *minor* changes to such plans as required by field conditions.

3. All other required applications must be received and permits must be obtained prior to the start of the work. These may include, but are not limited to, the following:
Soil Erosion and Sedimentation Control; Flood Damage Prevention; Subdivision, Building Permits and Inspections; NC Department of Transportation; NC Division of Water Quality; US Army Corps of Engineers; and NC DENR-Dam Safety.
4. The footprint and stormwater management devices as well as all maintenance access areas shall be located in recorded easement areas. The final plats for the project showing all such easement areas shall be in accordance with the approved plans.
5. Maintenance activities for the stormwater management devices shall be performed in accordance with the notarized O&M agreements. O&M agreements must transfer with the sale of the land or transfer of ownership/responsibility for the stormwater devices.
6. Upon completion of a project and before a Certificate of Completion shall be granted, the applicant shall certify that the completed project is in accordance with the approved stormwater management plans and designs and the pond must be landscaped in accordance with the NC DWQ BMP Manual. Upon completion, the applicant shall submit actual "as-built" plans for all stormwater management measures after final construction is completed.

SECTION 3. VESTED RIGHTS. Approval of this permit confers upon the property the right to develop with the type and intensity of use only as such relates to the requirements of the stormwater ordinance and in the manner as herein described and as shown on the approved site plan. Development of the property, however, shall be subject to any and all future amendments to this ordinance which do not affect such type and intensity of use and shall proceed in full compliance with all other applicable local, state and federal regulations.

SECTION 4. DEED RESTRICTION-PROTECTIVE COVENANT. The following italicized deed restrictions and protective covenants shall be recorded for all subdivisions, outparcels, and future development prior to the sale of any lot.

Development of subject property is required to be in accordance with the Chatham County Stormwater Ordinance. The recording of this document establishes an enforceable restriction of property usage that runs with the land to ensure that future development and/or redevelopment shall maintain the site in a manner consistent with applicable law and the approved project plans. Any alterations to the site shall not be permitted without review and approval by Chatham County.

SECTION 5. SEVERABILITY. Invalidation of any one or more of the conditions set forth herein shall not adversely affect the balance of said conditions, which shall remain in full force and effect.



Dan J. LaMontagne, P.E.
Stormwater Administrator

Cc: Lynn Richardson, Subdivision Administrator, Planning Department
Rachael Thorn, Lead Sedimentation and Erosion Control Officer
Rebecca McIver, Central Permitting Coordinator

SUBDIVISION: Westfall Crossing

DIRECTIONS: Jack Bennett Road, ± 0.8 miles west of the intersection of Jack Bennett Road and Big Woods Road

DEVELOPER: Over Jordan LLC PHONE NUMBER: 919-465-3312

Major Development: X Minor Development: _____
Development with acreage of 10 acreage of 10 acres or more: _____

| Proposed road names | OK to submit | DUPLICATED Do not Submit |
|--------------------------|--------------|-----------------------------|
| <u>Herndon Creek Way</u> | _____ | _____ |
| <u>Timber Creek Path</u> | _____ | _____ |
| <u>Millers Gap Court</u> | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

DATE SUBMITTED TO EOC: October 6, 2006

SUBMITTED BY: CE Group, Inc.

EOC OFFICER: _____

DATE ROADS APPROVED: _____

DATE FINAL PLAT RECEIVED: _____

DATE GIVEN TO 911: _____

DATE CONTACT MADE WITH NUMBERS: _____

SURROUNDING COUNTY CONTACTED: _____

PERSON SPOKEN WITH: _____

COMMENTS: _____

revised 4/19/02



SUBDIVISION: Westfall Village

DIRECTIONS: Jack Bennett Road, ± 0.6 miles west of the intersection of Jack Bennett Road and Big Woods Road

DEVELOPER: Over Jordan LLC **PHONE NUMBER:** 919-367-8790

Major Development: X **Minor Development:** _____

Development with acreage of 10 acreage of 10 acres or more: _____

| Proposed road names | OK to submit | DUPLICATED Do not Submit |
|-------------------------|--------------|-----------------------------|
| <u>Wood Laurel Lane</u> | _____ | _____ |
| <u>Farnleigh Drive</u> | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

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DATE CONTACT MADE WITH NUMBERS: _____

SURROUNDING COUNTY CONTACTED: _____

PERSON SPOKEN WITH: _____

COMMENTS: _____

revised 4/19/02





Soil Erosion and Sedimentation Control

LETTER OF APPROVAL

October 30, 2014

Westfall Associates, LLC
Attention: Jan R. Futrell
128 Yorkchester Way
Raleigh, NC 27615

RE: Project Name: Westfall 3A
 Project Number: 2014-063
 Acres approved: 3.43
 Total Acres: 28.86
 Submitted by: CE Group, Inc
 Date Received: October 9, 2014

To The Above Named Person and Entity,

This office has reviewed the subject erosion and sedimentation control plan. We find the plan to be acceptable and hereby issue this Letter of Approval. The enclosed Certificate of Approval must be posted at the job site. This plan approval shall expire two (2) years following the date of approval, if no land-disturbing activity has been undertaken.

Section 10 (l) of the Chatham County Sedimentation and Erosion Control Ordinance requires that a copy of the approved erosion control plan be on file at the job site. Also, this letter gives the notice required by G.S. 113A-61.1(a) of our right of periodic inspection to insure compliance with the approved plan.

North Carolina's Sedimentation Pollution Control Act is performance-oriented, requiring protection of existing natural resources and adjoining properties. If, following the commencement of this project, the erosion and sedimentation control plan is inadequate to meet the requirements of the Chatham County Sedimentation and Erosion Control Ordinance, this office may require revisions to the plan and implementation of the revisions to insure compliance with the Act.



LAND & WATER RESOURCES DIVISION
Environmental Quality Department

P.O. Box 548
Pittsboro, NC 27312
PHONE: (919) 545-8343

Fax: (919) 542-2698 • E-mail: rachael.thorn@chathamnc.org • Website: www.chathamnc.org

Acceptance and approval of this plan is conditioned upon your compliance with Federal and State water quality laws, regulations, and rules. In addition, local city or county ordinances or rules may also apply to this land-disturbing activity. This approval does not supersede any other permit or approval.

Please be aware that your project will be covered by the enclosed NPDES General Stormwater Permit NCGO1000 (Construction Activities). You should first become familiar with all of the requirements for compliance with the enclosed general permit.

Please note that this approval is based in part on the accuracy of the information provided in the Financial Responsibility Form, which you provided. You are requested to file an amended form if there is any change in the information included on the form. Please notify us when you would like to schedule a preconstruction conference. Notification shall be given at least 7 days prior to initiation of activity.

Your cooperation is appreciated.

Sincerely,

A handwritten signature in black ink that reads "Rachael Thorn". The signature is written in a cursive style with a large, looped "R" and "T".

Rachael Thorn
Lead Sedimentation and Erosion Control Officer
Land and Water Resources Division
Chatham County

Enclosures: Certificate of Approval
NPDES Permit



Chatham County Planning Department
 80-A East Street
 P.O. Box 54, Pittsboro, NC 27312-0054
 Phone: 919-542-8204

MAJOR SUBDIVISION – CONSTRUCTION PLAN

Subdivision Name: Westfall Subdivision Phase 3A

Property Owner/Applicant:

Name: Westfall Associates, LLC
 Address: 140 Towerview Ct.
Cary, NC 27513
 Phone: (W) 919-463-9940 ext. 104
 (H) _____
919-417-449
 (C) _____
 Fax: 919-463-9983
 Email: cdavidso@nvrinc.com

Surveyor / Engineer:

Name: Joe Faulkner, RLA
 Company Name: CE Group, Inc.
 Address: 301 Glenwood Avenue Suite 220
Raleigh, NC 27603
 Phone: (W) 919-367-8790 ext 102
919-606-7703
 (C) _____
 Fax: 919-322-0032
 Email: joe@cegroupinc.com

Parcel # (AK/PAR): 90093,87110 **P.I.N. #** 9785-56-3026,9785-45-6573 **Zoning District:** R-1 (w/CUP for PRD)

Flood Map # 3710978400J **Zone:** X **Watershed District:** Jordan Lake

Existing Access Road (S. R. # and name): Lystra Road (SR 1721)

Phased Development/Development Schedule? YES **NO** **Phases #** _____

Total Acreage 23.86 acres **Total # of Lots** 13 **Min. Lot Size (Acres)** 0.46 acres

Max. Lot Size 0.83 acres **Avg. Lot Size** 0.61 acres **# Exempt Lots (over 10 ac.)** 0

*Please attached a **DETAILED** Phasing Schedule or Development Schedule (for subdivisions consisting of 50 Lots or More).*

Mixed-Use YES **NO** **Multi-Family (Townhomes, Apts., etc.)** YES **NO**

Proposed Number of Lots: Residential 13 **Commercial** _____ **Other** _____

If Other, Specify (i.e. recreation) _____

Are there historical structures located on the property that may be 50 years or older, i.e. cemetery, fences, chimneys, structures. Yes **No** **If yes, type of structure(s)** _____ **and date and type of contact, i.e. on-site visit, telephone, letter, with Chatham County Historical Association:** _____

Type of Wastewater Disposal: **Individual Septic** **Community Septic** **Public System**

Type of Water System: **Individual Well** **Community Well(s)** **Public System**

Public Water System Name: Chatham County

Public Wastewater System Name (ex. Aqua NC): Aqua, NC

Type of Road: Private Length (mi.): 0.15 Public Length (mi.): _____

Road Surface: Paved Gravel Width of Road Surface (feet) 27-foot B-B

Type and Acreage of Other Facilities (ex. Recreation, Mixed-Use, Commercial, etc.):

PERMITS/APPROVALS REQUIRED: (copies of all required permits shall be included with Construction Plan submittal)

- | | | | |
|--|---|----------------------|---|
| NCDOT ROAD PLAN APPROVAL | YES <input type="checkbox"/> | DATE _____ | N/A <input checked="" type="checkbox"/> |
| NCDOT COMMERCIAL DRIVEWAY PERMIT | YES <input type="checkbox"/> | DATE _____ | N/A <input checked="" type="checkbox"/> |
| EROSION CONTROL PLAN APPROVAL | YES <input checked="" type="checkbox"/> | DATE <u>10/30/14</u> | N/A <input type="checkbox"/> |
| STORMWATER PLAN APPROVAL | YES <input checked="" type="checkbox"/> | DATE <u>11/5/14</u> | N/A <input type="checkbox"/> |
| NCDENR (401 WATER QUALITY CERT) | YES <input type="checkbox"/> | DATE _____ | N/A <input checked="" type="checkbox"/> |
| U.S. ARMY CORPS OF ENGINEERS (404 STREAM IMPACT) | YES <input type="checkbox"/> | DATE _____ | N/A <input checked="" type="checkbox"/> |
| ROAD NAME REQUEST FORM | YES <input checked="" type="checkbox"/> | DATE <u>10/6/06</u> | N/A <input type="checkbox"/> |
| COUNTY PUBLIC WATER APPROVAL | YES <input checked="" type="checkbox"/> | DATE <u>11/17/14</u> | N/A <input type="checkbox"/> |
| STATE PUBLIC WATER APPROVAL (NCDENR) | YES <input checked="" type="checkbox"/> | DATE <u>1/7/15</u> | N/A <input type="checkbox"/> |
| NCDENR DWQ (WASTE WATER TREATMENT PLANT) | YES <input checked="" type="checkbox"/> | DATE <u>1/7/15</u> | N/A <input type="checkbox"/> |
| SOIL SCIENTIST REPORT | YES <input type="checkbox"/> | DATE _____ | N/A <input checked="" type="checkbox"/> |
| OTHER: | | | |

Include one (1) paper copy and (1) electronic copy of all items above (see Digital Document Requirements) and 10 paper copies of Construction Plan (scale not to be more than 200 feet to 1 inch)

Lynn R. Fitchell 1/21/15
 Signature of Property Owner/Applicant Date

| | |
|-----------------------------|--|
| <i>For Staff Use Only</i> | |
| Date Received _____ | By _____ |
| Date Review Completed _____ | Date Applicant Contacted _____ |
| TRC Meeting Date: _____ | Construction Plan Approval Date: _____ |



North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

January 7, 2015

Mr. Charlie Horne, County Manager
Chatham County
Post Office Box 1550
12 East Street, Courthouse Annex
Pittsboro, North Carolina 27312

Re: Engineering Plans and Specifications Approval
Water Main Extension
Westfall Subdivision, Phase 3A
Chatham County Water System-North
Water System No.: NC0319126, Chatham Co.
Serial No. 14-00889

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 Water Resources stamp of approval for the referenced project. These engineering plans and specifications are approved under Division of Water Resources Serial Number 14-00889, dated January 7, 2015. This project is approved with following conditions:

1. Section 7-11 of the specifications is amended to reflect the current formula for allowable leakage per AWWA C600 and AWWA C605.

Engineering plans and specifications prepared by Mark P. Ashness, P.E, call for the installation of approximately 610 feet of 6-inch ductile iron pipe water main, 257 feet of 2-inch PVC pipe water main, 1 fire hydrant, valves and other appurtenances to serve the 13 lots within Westfall Subdivision, Phase 3A located between Lystra Road and Jack Bennett Road.

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 15 A NCAC 18C .0303 (a) and (c).

These plans and specifications 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 and specifications with a seal of approval from the department are enclosed. One copy of the approved documents in a digital format (CD) is



North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

January 08, 2015

CHARLIE HORNE, COUNTY MANAGER
CHATHAM COUNTY BOARD OF COMMISSIONERS
P O BOX 1550
PITTSBORO, NC 27312

Re: **Authorization to Construct**
WESTFALL SUBDIVISION, PHASE 3A
CHATHAM CO-NORTH
CHATHAMCOUNTY, 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 **WESTFALL SUBDIVISION, PHASE 3A, Serial No. 14-00889**.

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 RICHARD DICKIE, 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) 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.**

Sincerely,

Siraj Chohan, P.E., Plan Review Team Leader
Public Water Supply Section
Division of Water Resources

cc: ALLEN HARDY, Raleigh Regional Office
C E Group Inc



North Carolina Department of Environment and Natural Resources
Division of Water Resources

Public Water System Authorization to Construct

| | |
|---|--------------------------------|
| Public Water System Name and Water System No.: | CHATHAM CO-NORTH NC0319126 |
| Project Name: | WESTFALL SUBDIVISION, PHASE 3A |
| Serial No.: | 14-00889 |
| Issue Date: | 01/07/2015 |
| Expiration Date: | 24 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.



North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

Donald van der Vaart
Secretary

January 7, 2015

Thomas J. Roberts, President
Aqua North Carolina, Inc.
202 MacKenan Court
Cary, NC 27511

Subject: Permit No. WQ0037469
Aqua North Carolina, Inc.
Westfall Phase 3A
Wastewater Collection System Extension Permit
Chatham County

Dear Mr. Roberts:

In accordance with your application received November 19, 2014, and additional information received on January 5, 2015 we are forwarding herewith Permit No. WQ0037469, dated January 7, 2015, to Aqua North Carolina, Inc. (Permittee) for the construction and operation upon certification of the subject wastewater collection system extension. This permit shall be effective from the date of issuance until rescinded, and shall be subject to the conditions and limitations as specified therein. This cover letter and supplement shall be considered a part of this permit and are therefore incorporated therein by reference.

Please pay particular attention to the following conditions contained within this permit:

- Condition I.1: This permit shall not be automatically transferable; a request must be made and approved.
- Condition I.4: Requires that the wastewater collection facilities be properly operated and maintained in accordance with 15A NCAC 2T .0403 or any individual system-wide collection system permit issued to the Permittee.

It shall be responsibility of the Permittee to ensure that the as-constructed project meets the appropriate design criteria and rules. Failure to comply may result in penalties in accordance with North Carolina General Statute §143-215.6A through §143-215.6C, construction of additional or replacement wastewater collection facilities, and/or referral of the North Carolina-licensed Professional Engineer to the licensing board.

If any parts, requirements, or limitations contained in this permit are unacceptable, you have the right to request an adjudicatory hearing upon written request within 30 days following receipt of this permit. This request must be in the form of a written petition, conforming to Chapter 150B of North Carolina

Aqua North Carolina, Inc.
Permit No. WQ0037469

General Statutes, and filed with the Office of Administrative Hearings, 6714 Mail Service Center, Raleigh, NC 27699-6714. Unless such demands are made, this permit shall be final and binding.

If you need additional information concerning this matter, please contact Sarah Bass at (919) 807-6310 or via e-mail at Sarah.Bass@ncdenr.gov.

Sincerely,



for Thomas A. Reeder, Director
Division of Water Resources, NCDENR

by Deborah Gore, Supervisor
Pretreatment, Emergency Response, Collection System Unit

cc: Mark P. Ashness, Project Engineer – CE Group, Inc (electronic copy)
Joe Faulkner, RLA – CE Group, Inc. (electronic copy)
Raleigh Regional Office, Surface Water Protection Section (electronic copy)
Water Resources Central Files
PERCS (electronic copy)



STATE OF NORTH CAROLINA
ENVIRONMENTAL MANAGEMENT COMMISSION
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

WASTEWATER COLLECTION SYSTEM EXTENSION PERMIT

In accordance with the provisions of Article 21 of Chapter 143, General Statutes of North Carolina as amended, and other applicable Laws, Rules, and Regulations, permission is hereby granted to the

Aqua North Carolina, Inc.

for the construction and operation of approximately 109 linear feet of 1.5-inch pressure sewer, approximately 992 linear feet of 2-inch pressure sewer, approximately 848 linear feet of 3-inch pressure sewer, as well as 19 simplex grinder pump stations with on-site audible and visual high water alarms, to serve 19 single family residences (fourteen four-bedroom homes and five five-bedroom homes) as part of the Westfall Phase 3A project, and the discharge of 4,050 gallons per day of collected domestic wastewater into Aqua North Carolina's existing sewerage system, pursuant to the application received November 19, 2014 and additional information received on January 5, 2015 and in conformity with the project plans, specifications, and other supporting data subsequently filed and approved by the Department of Environment and Natural Resources and considered a part of this permit.

This permit shall be effective from the date of issuance until rescinded and shall be subject to the specified conditions and limitations contained therein.

for Thomas A. Reeder, Director
Division of Water Resources, NCDENR
By Authority of The Environmental Management Commission

Permit Number: WQ0037469
Permit Issued: January 7, 2015

SUPPLEMENT TO PERMIT COVER SHEET

Aqua North Carolina, Inc. is hereby authorized to:

Construct, and then operate upon certification the aforementioned wastewater collection extension. The sewage and wastewater collected by this system shall be treated in the Aqua North Carolina, Inc. Wastewater Treatment Facility in accordance with Permit Number WQ0028798.

Permitting of this project does not constitute an acceptance of any part of the project that does not meet 15A NCAC 2T; the Division's Gravity Sewer Minimum Design Criteria adopted February 12, 1996 as applicable; and the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Stations and Force Mains adopted June 1, 2000 as applicable, unless specifically mentioned herein. Division approval is based on acceptance of the certification provided by a North Carolina-licensed Professional Engineer in the application. It shall be the Permittee's responsibility to ensure that the as-constructed project meets the appropriate design criteria and rules.

Construction and operation is contingent upon compliance with the Standard Conditions identified below.

I. STANDARD CONDITIONS

1. This permit shall not be transferable. In the event there is a desire for the wastewater collection facilities to change ownership, or there is a name change of the Permittee, a formal permit request shall be submitted to the Division accompanied by documentation from the parties involved, and other supporting materials as may be appropriate. The approval of this request shall be considered on its merits and may or may not be approved. [15A NCAC 02T.0104]
2. This permit shall become voidable unless the wastewater collection facilities are constructed in accordance with the conditions of this permit; 15A NCAC 2T; the Division's Gravity Sewer Minimum Design Criteria adopted February 12, 1996 as applicable; the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Stations and Force Mains adopted June 1, 2000 as applicable; and other supporting materials unless specifically mentioned herein. [15A NCAC 02T.0110]
3. This permit shall be effective only with respect to the nature and volume of wastes described in the application and other supporting data. [15A NCAC 02T .0110]
4. The wastewater collection facilities shall be properly maintained and operated at all times. The Permittee shall maintain compliance with an individual system-wide collection system permit for the operation and maintenance of these facilities as required by 15A NCAC 2T .0403. If an individual permit is not required, the following performance criteria shall be met: [15A NCAC 2T .0403]
 - a. The sewer system shall be effectively maintained and operated at all times to prevent discharge to land or surface waters, and to prevent any contravention of groundwater standards or surface water standards.
 - b. A map of the sewer system shall be developed and shall be actively maintained.
 - c. An operation and maintenance plan including pump station inspection frequency, preventative maintenance schedule, spare parts inventory and overflow response has been developed and implemented.

- d. Pump stations that are not connected to a telemetry system shall be inspected every day (i.e. 365 days per year). Pump stations that are connected to a telemetry system shall be inspected at least once per week.
- e. High-priority sewer lines shall be inspected at least once per every six-months and inspections are documented.
- f. A general observation of the entire sewer system shall be conducted at least once per year.
- g. Overflows and bypasses shall be reported to the appropriate Division regional office in accordance with 15A NCAC 2B .0506(a), and public notice shall be provided as required by North Carolina General Statute §143-215.1C.
- h. A Grease Control Program is in place as follows:
 - 1. For public owned collection systems, the Grease Control Program shall include at least biannual distribution of educational materials for both commercial and residential users and the legal means to require grease interceptors at existing establishments. The plan shall also include legal means for inspections of the grease interceptors, enforcement for violators and the legal means to control grease entering the system from other public and private satellite sewer systems.
 - 2. For privately owned collection systems, the Grease Control Program shall include at least bi-annual distribution of grease education materials to users of the collection system by the permittee or its representative.
 - 3. Grease education materials shall be distributed more often than required in Parts (1) and (2) of this Subparagraph if necessary to prevent grease-related sanitary sewer overflows.
- i. Right-of-ways and easements shall be maintained in the full easement width for personnel and equipment accessibility.
- j. Documentation shall be kept for Subparagraphs (a) through (i) of this Rule for a minimum of three years with exception of the map, which shall be maintained for the life of the system.

5. Noncompliance Notification:

The Permittee shall report by telephone to a water resources staff member at the Raleigh Regional Office, telephone number 919-791-4200, as soon as possible, but in no case more than 24 hours, following the occurrence or first knowledge of the occurrence of either of the following:

- a. Any process unit failure, due to known or unknown reasons, that renders the facility incapable of adequate wastewater transport, such as mechanical or electrical failures of pumps, line blockage or breakage, etc.; or
- b. Any SSO and/or spill over 1,000 gallons; or
- c. Any SSO and/or spill, regardless of volume, that reaches surface water

Voice mail messages or faxed information is permissible, but this shall not be considered as the initial verbal report. Overflows and spills occurring outside normal business hours may also be reported to the Division of Emergency Management at telephone number (800) 858-0368 or (919) 733-3300. Persons reporting any of the above occurrences shall file a spill report by completing and submitting Part I of Form CS-SSO (or the most current Division approved form) within five days following first knowledge of the occurrence. This report must outline the actions taken or proposed to be taken to ensure that the problem does not recur. Part II of Form CS-SSO (or the most current Division approved form) can also be completed to show that the SSO was beyond control. [G.S. 143-215.1C]

6. Construction of the gravity sewers, pump stations, and force mains shall be scheduled so as not to interrupt service by the existing utilities nor result in an overflow or bypass discharge of wastewater to the surface waters of the State. [15A NCAC 02T.0403]
7. Upon completion of construction and prior to operation of these permitted facilities, the completed Engineering Certification form attached to this permit shall be submitted with the required supporting documents to the address provided on the form. A complete certification is one where the form is fully executed and the supporting documents are provided as applicable. Any wastewater flow made tributary to the wastewater collection system extension prior to completion of this Engineer's Certification shall be considered a violation of the permit and shall subject the Permittee to appropriate enforcement actions.

If the permit is issued to a private entity with an Operational Agreement, then a copy of the Articles of Incorporation, Declarations/Covenants/Restrictions, and Bylaws that have been appropriately filed with the applicable County's Register of Deeds office shall be submitted with the certification.

A complete certification is one where the form is fully executed and the supporting documents are provided as applicable. Supporting documentation shall include the following:

- a. One copy of the project construction record drawings (plan & profile views of sewer lines & force mains) of the wastewater collection system extension. Final record drawings should be clear on the plans or on digital media (CD or DVD disk) and are defined as the design drawings that are marked up or annotated with after construction information and show required buffers, separation distances, material changes, etc.
- b. Changes to the project that do not result in non-compliance with this permit, regulations, or the Minimum Design Criteria should be clearly identified on the record drawings, on the certification in the space provided, or in written summary form.

Prior to Certification (Final or Partial): Permit modifications are required for any changes resulting in non-compliance with this permit (including pipe length increases of 10% or greater, increased flow, pump station design capacity design increases of 5% or greater, and increases in the number/type of connections), regulations, or the Minimum Design Criteria. Requested modifications or variances to the Minimum Design Criteria will be reviewed on a case-by-case basis and each on its own merit. Please note that variances to the Minimum Design Criteria should be requested and approved during the permitting process prior to construction. After-construction requests are discouraged by the Division and may not be approved, thus requiring replacement or repair prior to certification & activation. [15A NCAC 02T .0116]

8. Gravity sewers installed greater than ten percent below the minimum required slope per the Division's Gravity Sewer Minimum Design Criteria shall not be acceptable and shall not be certified until corrected. If there is an unforeseen obstacle in the field where all viable solutions have been examined, a slope variance can be requested from the Division with firm supporting documentation. This shall be done through a permit modification with fee. Such variance requests will be evaluated on a case-by-case basis. Resolution of such request shall be evident prior to completing and submitting the construction certification. [15A NCAC 02T.0105 (n)]
9. A copy of the construction record drawings shall be maintained on file by the Permittee for the life of the wastewater collection facilities. [15A NCAC 02T .0116]
10. Failure to abide by the conditions and limitations contained in this permit; 15A NCAC 2T; the Division's Gravity Sewer Design Criteria adopted February 12, 1996 as applicable; the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Station and Force Mains adopted June 1, 2000 as applicable; and other supporting materials may subject the Permittee to an enforcement action by the Division, in accordance with North Carolina General Statutes §143-215.6A through §143-215.6C, construction of additional or replacement

wastewater collection facilities, and/or referral of the North Carolina-licensed Professional Engineer to the licensing board. [15A NCAC 02T .0108]

11. In the event that the wastewater collection facilities fail to perform satisfactorily, including the creation of nuisance conditions, the Permittee shall take immediate corrective action, including those as may be required by this Division, such as the construction of additional or replacement facilities. [15A NCAC 02T .0110]
12. The issuance of this permit shall not exempt the Permittee from complying with any and all statutes, rules, regulations, or ordinances that may be imposed by the Division any other Federal, State, or Local government agencies which have jurisdiction or obtaining other permits which maybe required by the Division or any other Federal, State, of Local government agencies. [15A NCAC 02T.0105]
13. The Permittee shall provide for the pump station and force main the following items:
 - a. Pump Station Reliability [15A NCAC 02T .0305]:
 1. Pump stations, except when exempted by Subparagraph (j)(2) of 15A NCAC 02T.0305, shall be designed with multiple pumps such that peak flow can be pumped with the largest pump out of service.
 2. A standby power source or pump is required at all pump stations except for those pump stations subject to Subparagraph (j)(2) of 15A NCAC 02T.0305. Controls shall be provided to automatically activate the standby source and signal an alarm condition.
 3. As an alternative to Part (c) for pump stations with an average daily design flow less than 15,000 gallons per day as calculated using 15A NCAC 02T.0114, a portable power source or pumping capability may be utilized. It shall be demonstrated to the Division that the portable source is owned or contracted by the permittee and is compatible with the station. If the portable power source or pump is dedicated to multiple pump stations, an evaluation of all the pump stations' storage capacities and the rotation schedule of the portable power source or pump, including travel timeframes, shall be provided in the case of a multiple station power outage.
 4. As an alternative to Part (ii) for pump or vacuum stations connecting a single building to an alternative sewer system, wet well storage requirements shall be documented to provide 24-hours' worth of wastewater storage or, exceed the greatest power outage over the last three years or the documented response time to replace a failed pump, whichever is greater. Documentation shall be required pursuant to the permit application.
 - b. All pump stations designed for two pumps or more shall have a telemetry system to provide remote notification of a problem condition to include power failure and high water alarm. [15A NCAC 02T.0305]
 - c. High water audio and visual alarm. [15A NCAC 02T.0305]
 - d. Pump stations shall have a permanent weatherproof sign stating the pump station identifier, 24-hour emergency number and instructions to call in case of emergency. Simplex pump or vacuum stations serving a single-family residence shall have a placard or sticker placed inside the control panel with a 24-hour emergency contact number. [15A NCAC 02T.0305]
 - e. Screened vents for all wet wells. [15A NCAC 02T.0305]
 - f. The public shall be restricted access to the site and equipment. [15A NCAC 02T.0305]
 - g. Air relief valves shall be provided at all high points along force mains where the vertical distance exceeds ten feet. [15A NCAC 02T.0305]

ENGINEERING CERTIFICATION

Permittee: **Aqua North Carolina, Inc.**

Permit No: **WQ0037469**

Project: **Westfall Phase 3A**

Issue Date: **January 7, 2015**

This project shall not be considered complete nor allowed to operate in accordance with Condition 7 of this permit until the Division has received this Certification and all required supporting documentation, which includes:

- One copy of the project construction record drawings (plan & profile views of sewer lines & force mains) of the wastewater collection system extension. Final record drawings should be clear on the plans or on digital media (CD or DVD disk) and are defined as the design drawings that are marked up or annotated with after construction information and show required buffers, separation distances, material changes, etc.

Permit modifications are required for any changes resulting in non-compliance with this permit. **A detailed description for partial certifications should be attached to this form along with any certification comments.**

Certification should be submitted in a manner that documents the Division's receipt. The Permittee is responsible for tracking all partial certifications up until a final certification is received.

PERMITTEE'S CERTIFICATION

I, the undersigned agent for the Permittee, hereby state that this project has been constructed pursuant to the applicable standards & requirements, the Professional Engineer below has provided applicable design/construction information to the Permittee, and the Permittee is prepared to operate & maintain the wastewater collection system permitted herein or portions thereof.

Printed Name, Title

Signature

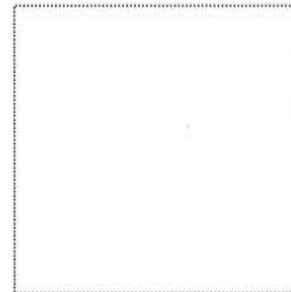
Date

ENGINEER'S CERTIFICATION

I, _____, as a duly registered Professional Engineer in the State of North Carolina, having been authorized to observe (periodically, weekly, full time) the construction of the project name and location as referenced above for the above Permittee hereby state that, to the best of my abilities, due care and diligence was used in the observation of the following construction: approximately 109 linear feet of 1.5-inch pressure sewer, approximately 992 linear feet of 2-inch pressure sewer, approximately 848 linear feet of 3-inch pressure sewer, as well as 19 simplex grinder pump stations with on-site audible and visual high water alarms, and in conformity with the project plans, specifications, supporting documents, and design criteria subsequently filed and approved. I certify that the construction of the above referenced project was observed to be built within substantial compliance and intent of the approved plans and specifications.

North Carolina Professional Engineer's Seal w/signature & date:

- Final Partial (include description)



Send the Completed Form & Supporting Documentation to the Following Address:
**NCDENR/DWR WATER QUALITY PERMITTING SECTION
WASTEWATER BRANCH – PERCS UNIT
1617 Mail Service Center
Raleigh, NC 27699**