



North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

January 29, 2015

Thomas J. Roberts, President and COO
Aqua North Carolina, Incorporated
202 Mackenan Court
Cary, NC 27511

Subject: Permit No. WQ0037563
Aqua North Carolina, Incorporated
The Legacy Phase 4A
Wastewater Collection System Extension Permit
Chatham County

Dear Mr. Roberts:

In accordance with your application received January 15, 2015, and additional information received on we are forwarding herewith Permit No. WQ0037563 dated January 29, 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 This permit shall be effective from the date of issuance until rescinded, and shall be subject to the conditions and limitations as specified therein.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 shall be considered a part of this permit and is therefore incorporated therein by reference.

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

- Condition II.1: This permit shall not be automatically transferable; a request must be made and approved.
- Condition II.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 the 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 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.

Aqua North Carolina, Inc.
Permit No. WQ0037563

If you need additional information concerning this matter, please contact Jason Robinson at (919) 791-4249 or via e-mail at jason.t.robinson@ncdenr.gov.

Sincerely,



for S. Jay Zimmerman, Acting Director
Division of Water Resources, NCDENR

by S. Daniel Smith, Regional Supervisor
Water Quality Regional Operations Section
Raleigh Regional Office
Division of Water Resources, NCDENR

cc: Mark Ashness P.E., c/o CE Group, Inc: 301 Glenwood Ave, Suite 220, Raleigh, NC 27603
Chatham County Health Department
Raleigh Regional Office Files
Water Resources Central Files
PERCS (electronic copy)



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

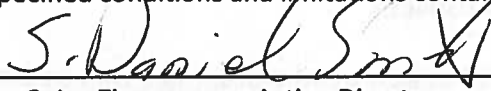
WASTEWATER COLLECTION SYSTEM EXTENSION PERMIT

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, Incorporated
Chatham County

for the construction and operation of approximately 6,080 linear feet of 8-inch gravity sewer; a 250-gallon per minute pump station with duplex pumps, on-site audible and visual high water alarms, telemetry, and a permanent generator with automatic transfer switch; as well as approximately 720 linear feet of 4-inch force main to serve 109 single family residential lots as part of the Legacy Phase 4A project, and the discharge of 23,980 gallons per day of collected domestic wastewater into the Aqua North Carolina Incorporated existing Legacy Development sewerage system, pursuant to the application received January 15, 2015 and in conformity with 15A NCAC 2T; the Division's Gravity Sewer Minimum Design Criteria adopted February 12, 1996 and updated in March 2008, as applicable; the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Stations and Force Mains adopted June 1, 2000 and updated March 2008, as applicable; 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 S. Jay Zimmerman, Acting Director
Division of Water Resources, NCDENR
By Authority of The Environmental Management Commission

Permit Number: WQ0037563
Permit Issued: January 29, 2015

SUPPLEMENT TO PERMIT COVER SHEET

Aqua North Carolina, Incorporated 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 Incorporated's Legacy Development Wastewater Treatment Facility in accordance with Permit Number WQ0024844.

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 and updated March 2008, as applicable; and the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Stations and Force Mains adopted June 1, 2000 and updated March 2008, 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 and Special Conditions identified below.

I. SPECIAL CONDITIONS

1. No flow in excess of the quantity permitted herein, 23,908 gpd, shall be made tributary to the subject sewer system until an application for permit modification for an increase in flow has been submitted to and approved by the Division. [15A NCAC 02T.0304(b)]
2. Each pump station shall be clearly and conspicuously posted using a weatherproof sign with a pump station identifying name/number, 24-Hour Emergency telephone number, and name of the owner/operator of the sewer system/pump station and instructions to call the number in the event of alarm activation or other emergency.

II. 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; G.S 143-215.1(d3)]
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 and updated March 2008, as applicable; the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Stations and Force Mains adopted June 1, 2000 and updated March 2008, 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 02T .0108(b)]:
 - 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. 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(a1)]

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.0108(b)]
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. One copy of the supporting applicable design calculations including pipe and pump sizing, velocity, pump cycle times, and level control settings, pump station buoyancy, wet well storage, surge protection, detention time in the wet well, and force main, ability to flush low points in force mains with a pump cycle, and downstream sewer capacity analysis. If a portable power source or pump is dedicated to multiple 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.
- c. 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 and updated March 2008, as applicable; the Division's Minimum Design Criteria for the Fast-Track Permitting of Pump Station and Force Mains adopted June 1, 2000 and updated March 2008 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 .0104; 15A NCAC 02T .0108(b-c)]
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; 15A NCAC 02T .0108(b)]

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 may be required by the Division or any other Federal, State, of Local government agencies. [G.S. 143-215.1(b)]



NORTH CAROLINA
Environmental Quality

ROY COOPER
Governor

MICHAEL S. REGAN
Secretary

LINDA CULPEPPER
Interim Director

August 22, 2018

Chatham County
Attention: Renee Paschal, County Manager
PO Box 1550
Pittsboro, North Carolina 27312

Re: Engineering Plans and Specifications Approval
Distribution Extension
The Legacy S/D – Phase 6A1
Chatham County - North
Water System No.: NC0319126, Chatham County
Serial No.: 18-00552

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 Division of Water Resources Serial Number 18-00552, dated August 22, 2018.

Engineering plans and specifications prepared by Joseph M. Craig, P.E., call for the installation of approximately 1,040 feet of 8-inch water main, 240 feet of 4-inch water main, 254 feet of 2-inch water main, fire hydrants, valves and associated appurtenances along Legacy Falls Drive South and Stonebridge Crossing to serve 29 single-family residences in Phase 6A1 of The Legacy subdivision in Chatham County. The proposed water main will connect to an existing 8-inch water main along Legacy Falls Drive South.

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



Chatham County
Attention: Renee Paschal, County Manager
Page 2 of 2
August 22, 2018

the applicant upon receipt of both an Engineer's Certification and an Applicant's Certification submitted in accordance with 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 being forwarded to our Raleigh Regional Office. The second copy of the CD is being retained in our office.

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

Sincerely,

Handwritten signature of Robert W. Midgette in cursive, followed by the text "/for".

Robert W. Midgette, P.E.
Operations Branch Head
Public Water Supply Section

RWM/LARP

Enclosures: Approval Documents

cc: Allen Hardy, Raleigh Regional Office
Chatham County Health Department
CE Group, Inc.

ROY COOPER
Governor
MICHAEL S. REGAN
Secretary
LINDA CULPEPPER
Interim Director



August 22, 2018

CHATHAM COUNTY BOARD OF COMMISSIONERS
ATTN: RENEE PASCAL, COUNTY MANAGER
PO BOX 1550
PITTSBORO, NC 27312

Re: **Authorization to Construct (This is not a Final Approval)**
Issue Date: August 22, 2018
THE LEGACY S/D - PHASE 6A1
Serial No.: 18-00552 Water System No.: NC0319126
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 **THE LEGACY S/D - PHASE 6A1, Serial No.: 18-00552**.

The "Authorization to Construct" is valid for 24 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 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 "RW Midgette".

Robert W. Midgette, P.E., Operations Branch Head
Public Water Supply Section
Division of Water Resources

cc: ALLEN HARDY, Regional Engineer
CE GROUP, INC.



North Carolina Department of Environmental Quality
Division of Water Resources

Authorization to Construct

Project Applicant:	CHATHAM COUNTY BOARD OF COMMISSIONERS
Public Water System Name and Water System No.:	CHATHAM CO-NORTH NC0319126
Project Name:	THE LEGACY S/D - PHASE 6A1
Serial No.:	18-00552
Issue Date:	August 22, 2018
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.

JOSEPH M. CRAIG, PE
CE GROUP, INC.
301 GLENWOOD AVE, SUITE 220

RALEIGH, NC 27603

ROY COOPER

Governor

MICHAEL S. REGAN

Secretary

LINDA CULPEPPER

Interim Director



NORTH CAROLINA
Environmental Quality

January 11, 2019

Chatham County Board of Commissioners
ATTN: Dan LaMontagne, Interim County Manager
PO Box 1550
Pittsboro, NC 27312

Re: **Authorization to Construct (This is not a Final Approval)**
Issue Date: January 11, 2019
The Legacy S/D - Phase 4A3
Serial No.: 18-01161 Water System No.: NC0319126
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 **The Legacy S/D - Phase 4A3, Serial No.: 18-01161.**

The "Authorization to Construct" is valid for 24 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 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 "R.W. Midgette".

Robert W. Midgette, P.E., Operations Branch Head
Public Water Supply Section
Division of Water Resources

cc: ALLEN HARDY, Regional Engineer
CE Group, Inc.



North Carolina Department of Environmental Quality | Division of Water Resources | Public Water Supply Section

1634 Mail Service Center | Raleigh, North Carolina 27699-1634

919 707 9100 | Lab Fax 919 715 6637 | Admin Fax 919 715 4374 | www.ncwater.org/pws/

North Carolina Department of Environmental Quality
Division of Water Resources

Authorization to Construct

Project Applicant:	Chatham County Board of Commissioners
Public Water System Name and Water System No.:	CHATHAM CO-NORTH NC0319126
Project Name:	The Legacy S/D - Phase 4A3
Serial No.:	18-01161
Issue Date:	January 11, 2019
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
Environmental Quality

ROY COOPER
Governor

MICHAEL S. REGAN
Secretary

LINDA CULPEPPER
Interim Director

January 11, 2019

Chatham County Board of Commissioners
Attention: Dan LaMontagne, Interim County Manager
P.O. Box 1550
Piitsboro, North Carolina 27312

Re: Engineering Plans and Specifications Approval
Distribution Extension
The Legacy Subdivision – Phase 4A3
Chatham County – North
Water System No.: NC0319126, Chatham County
Serial No.: 18-01161

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 Division of Water Resources Serial Number 18-01161, dated January 11, 2019.

Engineering plans and specifications prepared by Joseph M. Craig, P.E., call for the installation of approximately 100 feet of 8-inch water main, 1,400 feet of 6-inch water main, fire hydrants, valves and associated appurtenances along Legacy Falls Drive West, Sweet Briar Lane and Stone Bridge Crossing to serve 33 single family residential lots within the Legacy Subdivision, Phase 4A3. The proposed 8-inch water main will connect to an existing 8-inch water main along Legacy Falls Drive West at a location approximately 100 feet east of the intersection with Stone Bridge Crossing. The proposed water main will connect to an existing 6-inch water main along Sweet Briar Lane at a location approximately 200 feet west of the intersection with Twin Creeks Loop. The proposed 6-inch water main will connect to an existing 6-inch water main along Stone Bridge Crossing at a location approximately 110 feet west of the intersection with Twin Creeks Loop.

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



Joseph M. Craig, PE
CE Group, Inc.
301 Glenwood Avenue, Suite 220

Raleigh, NC 27603



NORTH CAROLINA
Environmental Quality

ROY COOPER
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MICHAEL S. REGAN
Secretary

LINDA CULPEPPER
Director

January 15, 2019

Chatham County Board of Commissioners
Attention: Dan LaMontagne, Interim County Manager
P.O. Box 1550
Pittsboro, North Carolina 27312

Re: Engineering Plans and Specifications Approval
Distribution Extension
The Legacy Subdivision – Phase 6A2
Chatham County – North
Water System No.: NC0319126, Chatham County
Serial No.: 18-01163

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 Division of Water Resources Serial Number 18-01163, dated January 15, 2019. **This approval has the following condition: In areas where water pressure exceeds 100 psi, applicable design standards and the operation and maintenance procedures for higher pressure water mains shall be implemented to maintain integrity of the distribution system and normal working pressure to the service lines.**

Engineering plans and specifications prepared by Joseph M. Craig, P.E., call for the installation of approximately 950 feet of 8-inch water main, 420 feet of 4-inch water main, 480 feet of 2-inch water main, fire hydrants, valves and associated appurtenances along Legacy Falls Drive South, Falls Overlook Court and Waterfall Pointe to serve 27 single family residential lots within Legacy Subdivision, Phase 6A2. The proposed 8-inch water main will connect to an existing 8-inch water main along Legacy Falls Drive South at a location approximately 310 feet northeast of the intersection with Waterfall Pointe. The proposed water main will connect to a proposed 8-inch water main along Legacy Falls Drive South at a location approximately 0.1 miles east of the intersection with Stonebridge Crossing (Phase 6A1 of this development, approved under Serial No. 18-00552).

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



North Carolina Department of Environmental Quality | Division of Water Resources
512 North Salisbury Street | 1634 Mail Service Center | Raleigh, North Carolina 27699-1634
919.707.9000

Chatham County Board of Commissioners
Attention: Dan Lamontagne, Interim County Manager
Page 2 of 2
January 15, 2019

of both an Engineer's Certification and an Applicant's Certification submitted in accordance with 15A 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 documents in digital format (CD) is being forwarded to our Raleigh Regional Office. The second copy of the CD is being retained in our office.

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

Sincerely,

 /for

Robert W. Midgette, P.E., Operations Branch Head
Public Water Supply Section
Division of Water Resources

RWM/SB

Enclosures: Approval Documents

cc: Allen Hardy, Raleigh Regional Office
Chatham County Health Department
CE Group, Inc.



NORTH CAROLINA
Environmental Quality

January 15, 2019

ROY COOPER
Governor
MICHAEL S. REGAN
Secretary
LINDA CULPEPPER
Director

Chatham County Board of Commissioners
ATTN: Dan LaMontagne, Interim County Manager
PO Box 1550
Pittsboro, NC 27312

Re: **Authorization to Construct (This is not a Final Approval)**
Issue Date: January 15, 2019
The Legacy S/D - Phase 6A2
Serial No.: 18-01163 Water System No.: NC0319126
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 **The Legacy S/D - Phase 6A2, Serial No.: 18-01163**.

The "Authorization to Construct" is valid for 24 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 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 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,

Robert W. Midgette, P.E., Operations Branch Head
Public Water Supply Section
Division of Water Resources

cc: ALLEN HARDY, Regional Engineer
CE Group, Inc.



North Carolina Department of Environmental Quality | Division of Water Resources
512 North Salisbury Street | 1634 Mail Service Center | Raleigh, North Carolina 27699-1634
919.707.9000

North Carolina Department of Environmental Quality
Division of Water Resources

Authorization to Construct

Project Applicant:	Chatham County Board of Commissioners
Public Water System Name and Water System No.:	CHATHAM CO-NORTH NC0319126
Project Name:	The Legacy S/D - Phase 6A2
Serial No.:	18-01163
Issue Date:	January 15, 2019
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.

Joseph M. Craig, PE
CE Group, Inc.
301 Glenwood Avenue, Suite 220

Raleigh, NC 27603

ROY COOPER
Governor

MICHAEL S. REGAN
Secretary

LINDA CULPEPPER
Director



NORTH CAROLINA
Environmental Quality

February 6, 2019

Michael Melton, Engineering Manager
Aqua North Carolina, Inc.
202 MacKenan Court
Cary, NC 27511

Subject: Permit No. WQ0040388
Aqua North Carolina, Inc.
The Legacy Development – Phase 6
Wastewater Collection System Extension Permit
Chatham County

Dear Mr. Melton:

In accordance with your application received October 12, 2018, and additional information received on January 15, 2018 and January 31, 2019, we are forwarding herewith Permit No. WQ0040388, dated February 6, 2019, 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: The Permittee shall submit a Certificate of Public Convenience and Necessity (CPCN) from the North Carolina Utilities Commission Public Staff with the Engineering Certification to demonstrate that the applicant is authorized to provide service to the specific project area . [15A NCAC 02T .0115(a)]
- Condition II.1: This permit shall not be automatically transferable; a request must be made and approved.
- Condition II.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.
- Condition II.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. **Permit modifications are required for any changes resulting in non-compliance with this permit, regulations, or the Minimum Design Criteria.** [15A NCAC 02T.0116]



North Carolina Department of Environmental Quality | Division of Water Resources
512 North Salisbury Street | 1617 Mail Service Center | Raleigh, North Carolina 27699-1617
919.707.9000

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 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 Vivien Zhong at 919-707-3627 or via e-mail at vivien.zhong@ncdenr.gov.

Sincerely,



for Linda Culpepper
Director, Division of Water Resources

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

cc: Joseph M. Craig, P.E., CE Group, Inc (mitch@cegroupinc.com)
Raleigh Regional Office, Water Quality Section Regional Operations
Water Resources Central Files: WQ0040388
PERCS (electronic copy)



NORTH CAROLINA
Environmental Quality

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 680 linear feet of 1.5-inch pressure sewer, approximately 1796 linear feet of 2-inch pressure sewer, and approximately 846 linear feet of 3-inch pressure sewer; as well as 54 simplex pump stations with on-site audible and visual high water alarms to serve 54 4-bedroom homes as part of the Legacy at Jordan Lake – Phase 6 project, and the discharge of 11,880 gallons per day of collected domestic wastewater into the Legacy at Jordan Lake’s existing sewerage system, pursuant to the application received October 12, 2018, and additional information received on January 15, 2019 and January 31, 2019 and in conformity with the project plans, specifications, and other supporting data subsequently filed and approved by the Department of Environmental Quality 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.

A handwritten signature in blue ink that reads "Deborah Gore".

for Linda Culpepper

Director, Division of Water Resources

By Authority of The Environmental Management Commission

Permit Number: WQ0040388
Permit Issued: February 6, 2019
Treatment Facility: The Legacy Development (WQ0024844)

SUPPLEMENT TO PERMIT COVER SHEET

The Permittee is hereby authorized to:

Construct, and then operate upon certification the aforementioned wastewater collection extension.

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 and any Special Conditions identified below.

I. SPECIAL CONDITIONS

1. The Permittee shall submit a Certificate of Public Convenience and Necessity (CPCN) from the North Carolina Utilities Commission Public Staff with the Engineering Certification to demonstrate that the applicant is authorized to provide service to the specific project area . [15A NCAC 02T .0115(a)]
2. Each pump station shall be clearly and conspicuously posted using a weatherproof sign with a pump station identifying name/number, 24-Hour Emergency telephone number, and name of the owner/operator of the sewer system/pump station and instructions to call the number in the event of alarm activation or other emergency. Simplex pump stations or vacuum sewer pits serving a single-family residence may have a placard or sticker on the control panel in lieu of a sign. [15A NCAC 02T .0305(h)(2)]
3. The Permittee shall be responsible for all individual pumps, tanks, service laterals and main lines as permitted. This does not prohibit the Permittee from entering into a service agreement with another entity for maintenance or operation of these units, however, the Permittee shall be responsible for correcting any environmental or public health problem with the system. [15A NCAC 02T.0304(c)]
4. The Permittee shall obtain all deeds, easements and encroachment agreements necessary for installation, operation, and maintenance of the system prior to operation. [15A NCAC 02T.0305(c)]
5. The Permittee shall maintain on hand for immediate installation an adequate supply of spare, fully operational pump units of each type used in the system. [15A NCAC 02T .0305(h)]

II. 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; G.S. 143-215.1(d3)]
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 02T.0403. If an individual permit is not required, the following performance criteria shall be met:
 - 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(a1)]

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.0108(b)]
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 but not limited to pipe length changes 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(b-c)]
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; 15A NCAC 02T .0108(b)]

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. [G.S.143-215.1(b)]
13. The Permittee shall provide for the pump station and force main the following items:
 - a. Pump Station Reliability [15A NCAC 02T .0305(h)(1)]:
 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(h)(1)(E)]
 - c. High water audio and visual alarm. [15A NCAC 02T .0305(h)(1)(F)]
 - 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(h)(2)]
 - e. Screened vents for all wet wells. [15A NCAC 02T .0305(h)(3)]
 - f. The public shall be restricted access to the site and equipment. [15A NCAC 02T .0305(h)(4)]
 - 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(h)(5)]

ENGINEERING CERTIFICATION

Permittee: Aqua North Carolina, Inc.
Permit No: **WQ0040388**
Project: **The Legacy at Jordan Lake – Phase 6**

Issue Date: February 6, 2019
County: Chatham

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

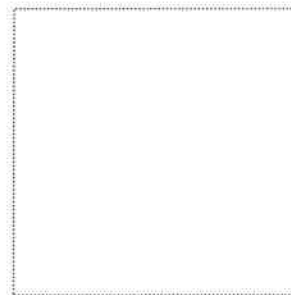
Date

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 680 linear feet of 1.5-inch pressure sewer, approximately 1796 linear feet of 2-inch pressure sewer, and approximately 846 linear feet of 3-inch pressure sewer; as well as 54 simplex pump stations with on-site audible and visual high water alarms to serve 54 4-bedroom homes as part of the Legacy at Jordan Lake – Phase 6 project, 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:

**DWR WATER QUALITY PERMITTING SECTION
WASTEWATER BRANCH – PERCS UNIT
1617 Mail Service Center
Raleigh, NC 27699**