



**Development Services**

Planning  
305 Chestnut Street  
PO Box 1810  
Wilmington, NC 28402-1810

910 254-0900  
910 341-3264 fax  
wilmingtonnc.gov  
Dial 711 TTY/Voice

August 31, 2016

Charlie Cazier  
Intracoastal Engineering  
5725 Oleander Drive  
Wilmington, NC 28403

RE: Masonboro Trace, located at 7920 Masonboro Sound Road

I have attached a copy of the **early clearing, grading, and water and sewer infrastructure release** for Masonboro Trace, located at 7920 Masonboro Sound Road. **Please make note of the conditions for the release as they appear on the attached release letter.** These conditions must be followed and met in order for the construction to be approved. ***Prior to beginning clearing and grading on the site, you must have a pre-construction meeting between City staff and the project's representatives. Any violation of this condition will result in an immediate stop work order and other civil penalties.***

All grading on the site must be in accordance with New Hanover County erosion control standards and the erosion control plan approved by New Hanover County and the City of Wilmington. All water and sewer infrastructure installed on site must be in accordance with water and sewer plans approved by the Cape Fear Public Utility Authority. Any trees and areas designated to be saved or protected must be properly barricaded and/or marked throughout construction. In addition please be aware that no construction of buildings, structures, walls, etc. may begin until the City of Wilmington's Technical Review Committee has approved the final plans and final construction release is granted.

Please contact our office at 254-0900 if you have any questions or concerns regarding this information and to schedule a pre-construction meeting with City staff. The City thanks you for your investment in our community and looks forward to working with you towards construction of a quality development project.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Chambers".

Brian Chambers, Associate Planner



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## TRANSMITTAL LETTER

TO: Cynthia Roush, Zoning Inspector  
 DATE: August 30, 2016  
 SUBJECT: Masonboro Trace (2015087)  
**RELEASE FOR CLEARING, GRADING, AND  
 WATER/SEWER MAIN INSTALLATION ONLY**  
 Plans Sealed as of 7/6/16

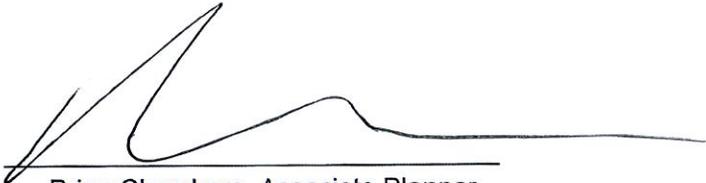
The following items are being sent to you via this package.

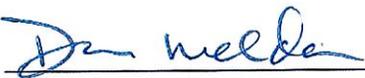
QUAN.	DWG./NO.	DESCRIPTION
1	Dated Received 8/29/16	Masonboro Trace Plans
1	Dated 7/18/16	City Tree Removal Permit TPP-16-166
1	Dated 8/1/16	NHC Erosion Control #GP 13-16
1	Dated 7/19/16	CFPUA Waste Water Permit WQ0038560
1	Dated 7/26/16	CFPUA Water Permit 16-00572
1	Dated 11/19/02	Policy on the Release of Projects for the Purpose of Clearing and Grading

REMARKS: Masonboro Trace, located at 7920 Masonboro Sound Road, is hereby conditionally released **for clearing, grading, and water/sewer main installation only**. The following conditions must be satisfied as part of this release:

- A PRE-CONSTRUCTION MEETING MUST BE HELD BETWEEN THE SITE CONTRACTOR AND CITY STAFF PRIOR TO ANY GRADING BEGINNING ON THE SITE. FAILURE TO COMPLY WILL RESULT IN IMMEDIATE CIVIL PENALTIES.**
- NO CONSTRUCTION OF ANY BUILDING, STRUCTURE, WALL, UTILITIES, ETC. OF ANY KIND, INCLUDING FOOTINGS AND BUILDING SLABS, WILL BE PERMITTED UNTIL THE TECHNICAL REVIEW COMMITTEE HAS APPROVED THE FINAL CONSTRUCTION RELEASE.**
- ANY TREES AND/OR AREA DESIGNATED TO BE SAVED MUST BE PROPERLY BARRICADED OR MARKED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING AND GRADING WILL OCCUR IN THOSE AREAS.**
- THIS GRADING AND INFRASTRUCTURE RELEASE IS GIVEN IN ACCORDANCE WITH THE EROSION CONTROL PLAN APPROVED BY NEW HANOVER COUNTY AND THE WATER AND SEWER PLAN APPROVED BY THE CAPE FEAR PUBLIC UTILITY AUTHORITY.**
- IF THE CONDITIONS LISTED ABOVE ARE VIOLATED; A STOP WORK ORDER WILL BE ISSUED.**

6. THE DEVELOPER ASSUMES ALL RISKS AND PENALTIES WITH ANY DELAY OR STOP WORK ORDER ASSOCIATED WITH THE VIOLATION OF THIS RELEASE. BY SIGNING THIS, THE DEVELOPER ACKNOWLEDGES THE CONDITIONS OF THIS RELEASE AND ASSUMES ALL RESPONSIBILITIES AND RISKS ASSOCIATED WITH IT. THE CITY OF WILMINGTON WILL NOT BE HELD LIABLE FOR ANY COSTS ASSOCIATED WITH THE CLEARING, GRADING, AND WATER/SEWER MAIN INSTALLATION RELEASE.

Signature:   
Brian Chambers, Associate Planner

Signature:   
Owner / Applicant

- |                       |                                      |
|-----------------------|--------------------------------------|
| Copy: Charlie Cazier  | Intracoastal Engineering             |
| Bret Russell          | Construction Manager                 |
| Rob Gordon            | Engineering Plan Review              |
| Aaron Reese           | Urban Forestry                       |
| Chris Elrod           | Fire Prevention                      |
| Derek Pielech,        | Stormwater Engineering (e-mail only) |
| Bill McDow            | Traffic Engineering (e-mail only)    |
| Matthew Tribbett      | CFPUA (e-mail only)                  |
| Bernice Johnson       | CFPUA (e-mail only)                  |
| Beth Easley Wetherill | NHC Erosion Control (e-mail only)    |
| Amy Beatty            | Community Services (e-mail only)     |
| Ryan O'Reilly         | Community Services (e-mail only)     |
| Steve Harrell         | Community Services (e-mail only)     |

File: **Masonboro Trace**                      **Project File # 2015087**



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 Planning Division  
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APPROVED: X DENIED: \_\_\_\_\_

PERMIT #: TRP-16-166

**Application for Tree Removal Permit**

Name of Applicant: Dan Weldon Phone: 910-332-8528 Date: 3/14/16

Name of Property Owner: HANOVER PARTNERS, LLC Phone: 910-332-8528

Property Owner Address: PO BOX 1377 WRIGHTSVILLE BEACH, NC 28480

Address of Proposed Tree Removal: 7920 MASONBORO SOUND RD.

Description of tree(s) to be removed/reason for removal: (provide attachment if necessary)

- 1. Tree Removal per Landscape Plan 6. \_\_\_\_\_
- 2. \_\_\_\_\_ 7. \_\_\_\_\_
- 3. \_\_\_\_\_ 8. \_\_\_\_\_
- 4. \_\_\_\_\_ 9. \_\_\_\_\_
- 5. \_\_\_\_\_ 10. \_\_\_\_\_

Description of Replacement Tree(s): See Landscape Plan

Applicant Signature: Dan J. Weldon Date: 3/15/16

\*\*\*\*\*FOR OFFICIAL USE ONLY\*\*\*\*\*

Reviewed By: [Signature] Date: 7/18/16

Remarks: 64 TREE REMOVALS FOR MITIGATION  
PAYMENT - IN-LIEN WOULD BE \$22,400.00

ALL WORK MUST BE IN COMPLIANCE WITH THE CITY LAND DEVELOPMENT CODE, ARTICLE 8, LANDSCAPING AND TREE PRESERVATION.

NEW CONSTRUCTION: \_\_\_\_\_ EXPANSION: \_\_\_\_\_ OTHER: \_\_\_\_\_ PAID: X ck 1006

Tree Preservation Permit Fees

Less than 1 acre	\$25.00
1-5 acres	\$50.00
5-10 acres	\$100.00
Greater than 10 acres	\$150.00

\$50.00  
3-24-16

RECEIVED  
 MAR 24 2016

PLANNING DIVISION



# NEW HANOVER COUNTY

Engineering Department  
230 Government Center Drive • Suite 160  
Wilmington, North Carolina 28403  
TELEPHONE (910)-798-7139  
Fax (910) 798-7051

Beth E. Wetherill, C.P.E.S.C.  
Soil Erosion Specialist

August 1, 2016

Hanover Partners, LLC  
P.O. Box 1377,  
Wilmington, North Carolina 28480

**RE: Grading Permit # 13-16, Masonboro Trace**

Dear Mr. Dan Weldon:

This office has reviewed the revised subject sedimentation and erosion control plan. We find the plan to be acceptable.

**Please read the permit conditions carefully and return the signed blue original to our office and keep the copy for your records.**

**The land disturbing fee of \$1200 is due to be paid to New Hanover County, to my attention, prior to issuance of the Certificate of Occupancy.**

**A preconstruction meeting is required** prior to any land disturbing activity on site. Please contact us at (910) 798-7139 to set this up with us.

Please be advised that a copy of the approved soil erosion plan, a copy of the grading permit, a rain gauge and the Combined Inspection Reports must be available at all times at the site.

New Hanover County's Erosion and Sedimentation Control Program is performance oriented requiring protection of the natural resources and adjoining properties. If following the commencement of the project, it is determined that the plan is inadequate to meet the requirements of the New Hanover County's Erosion and Sedimentation Control Ordinance, this office may require revisions in the plan and its implementation to insure compliance with the ordinance.

This permit will not preclude any other permits or approvals necessary for beginning or completing this development. It is the owner's responsibility to have all the approvals or permits that are required prior to beginning construction. Approval of an erosion control plan is conditioned on the applicant's compliance with Federal and State Water Quality laws, regulations and rules.

Respectfully yours,

*Beth Easley Wetherill*

Beth Easley Wetherill  
NHC Soil Erosion Specialist

cc: Charles Cazier PE, Intracoastal Engineering, PLLC  
Brian Chambers, City of Wilmington Planning



## Permit for a Land Disturbing Activity

New Hanover County  
 Department of Engineering  
 230 Government Center Drive - Suite 160  
 Wilmington, North Carolina 28403  
 (910) 798-7139

### As authorized by the New Hanover County Erosion and Sedimentation Control Ordinance

This permit issued to Hanover Partners, LLC authorizes the development of 5.3 acres of land at 7920 Masonboro Sound Road for Masonboro Trace in New Hanover County. This permit issued on August 1, 2016 is subject to compliance with the application and site drawings, all applicable regulations and special conditions and notes set forth below. **Any plan modifications must be approved by this office prior to field changes.**

It is understood by the applicant that a representative of New Hanover County's Engineering Department may inspect the site at any time following the issuance of this Permit. A copy of the approved Soil Erosion Control Plan, this permit, a rain gauge and copies of the Combined Self-Monitoring and Self Inspection Reports must be available at all times at the site.

Failure to execute the provisions of this permit and the approved Soil Erosion Plan, or any other provisions of the New Hanover County Soil Erosion and Sedimentation Control Ordinance, shall result in immediate legal action by the County to the limits prescribed by the Ordinance. If the measures outlined on the approved Soil Erosion Control Plan and this Permit prove insufficient, additional Erosion Control measures can and will be required which in turn will be considered provisions of this Permit. This Permit does not preclude any other permits or approvals necessary for beginning or completing this development. Approval of an erosion control plan is conditioned on the applicant's compliance with Federal and State laws, regulations and rules. It is the Permittee's responsibility to obtain all necessary permits and approvals.

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### **SPECIAL CONDITIONS**

#### **(THESE CONDITIONS MUST BE FOLLOWED IN ADDITION TO THE PLANS AND SPECIFICATIONS)**

- \*All the soil erosion control measures will be installed as the site is cleared and maintained throughout construction. These include a construction entrance, silt fences, outlet protection 3 3:1 lined swales and immediate construction and stabilization of the sediment basin, it's slopes and the 2 outlet structures, one of which will have a 2 inch Faircloth Skimmer with a 1.8 inch orifice with 3 coir baffles, a lined vegetated filter and level spreader NOTE: Swale 3 will drain into the sediment basin til it has become stable with grass. Silt fence ma be needed at the rear of these lots if they drain to the swale once it's been stabilized. All area around and draining into the vegetative filter must be lined prior to any rain event. All work will be completed on the R/W swale and it will be lined prior to any rain event.
- \*Tree Removal Permits must be acquired from the City of Wilmington and/or New Hanover County prior to issuance of this permit and clearing the site.
- \*Silt fence stakes must be metal and will be placed **six feet apart without wire reinforcement** or **eight feet apart with wire reinforcement**. Silt fence is **not** allowed as inlet protection.
- \*This permit does not preclude any permits or approvals which may be necessary such as City of Wilmington or New Hanover County Stormwater, NCDENR Water Quality, C.A.M.A., and the US Army Corps. of Engineers, DEM Solid Waste or any other agencies.
- \*No sediment shall leave the site.

\*If plan revisions are necessary you must submit a copy to this office for approval **prior** to any field changes.

\*If soil is removed from the site, it must be taken to an approved or permitted site to be identified to this office **prior** to removal from the site.

\*All City and/or County and State drainage and stormwater requirements will be adhered to.

\*If these measures fail to adequately control erosion, more restrictive measures will be required.

\*If any phase of grading ceases for more than 15 working days, the site will be temporarily stabilized.

\*All slopes must be stabilized within 21 calendar days of any phase of activity.

The approval of an erosion control plan is conditioned on the applicant's compliance with Federal and State Water Quality laws, regulations and rules.

**\*Note the required rates for seed, lime, fertilizer and mulch in your seeding specifications.**

**\*Note the NPDES information from the State for sites disturbing 1 acre or more and the reporting requirements.** All **NEW** projects permitted after August 3, 2011 **must include** the following surface water withdrawal locations and stabilization requirement designations on the plan in order to qualify for coverage under the most recent NPDES Construction General Permit. All settling basins must have outlet structures that withdraw water from the surface, with the exception of basins or traps that have a drainage area of less than 1 acre. The NPDES permit requires ground cover within 14 calendar days on disturbed flat areas and ground cover within 7 calendar days on all areas within HQW Zones, perimeter dikes, swales, ditches, perimeter slopes and all slopes steeper than 3:1. Exceptions include slopes that are 10 feet or less in length and not steeper than 2:1 which must be stabilized within 14 calendar days and slopes greater than 50 feet which must be stabilized within 7 calendar days. This permit also includes other new requirements which are listed in the text of the NPDES Stormwater Discharge Permit for Construction Activities. Inspections of all erosion control measures and reports are required every 7 days and within 24 hours of every 1/2 inch rain event in a 24 hour period.

**\*Note the Land Resources Self Inspection Program Requirements.** This program is separate from the NPDES reporting and requires inspection and documentation after each phase of construction. These phases include: Installation of perimeter erosion control measures, Clearing and Grubbing of existing ground cover, Completion of any phase of grading of slopes or fills, Installation of storm drainage facilities, Completion of construction or development, Establishment of permanent ground cover sufficient to restrain erosion and any Deviation from the approved plan.

Enclosed is a Combined Self-Monitoring and Self-Inspection Form that meets the requirements of both the NPDES Stormwater Permit for Construction Activities, NCG 010000 reporting and the Land Resources Self Inspection Program that satisfies the requirements of the Sedimentation Pollution Control Act.

This report is the responsibility of the property owner. It requires a rain gauge onsite and inspections and reporting every 7 calendar days and within 24 hours of every 1/2 inch rain per 24 hour period and at specific phases of construction. Additional copies of this Combined Construction Inspection Report can be found at <http://portal.ncdenr.org/web/lr/erosion> . Reports must be available onsite at all times. If you have questions please contact New Hanover County Engineering (910) 798-7139 or the Land Quality Section at the NCDENR Regional office at (910) 796-7215.

\*A pre-construction meeting is required prior to any activity on site. Please contact Beth E. Wetherill at (910) 798-7139 to set up this meeting.

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This Permit will expire one year from date of issue if no construction activity begins on site. This permit may not be amended or transferred to another party without approval of this office.

Acknowledgment of receipt of Permit

\_\_\_\_\_  
Owner

*Beth Easley Wetherill*

\_\_\_\_\_  
By (please print)

Beth E. Wetherill, C.P.E.S.C.  
Soil Erosion Specialist/New Hanover County

\_\_\_\_\_  
Signature

2015-052



Water Resources  
ENVIRONMENTAL QUALITY

PAT MCCRORY

Governor

DONALD R. VAN DER VAART

Secretary

S. JAY ZIMMERMAN

Director

July 19, 2016

Carel Vandermeijden  
CFPUA  
235 Government Center Dr  
Wilmington, NC 28403

Subject: Permit No. WQ0038560  
CFPUA  
Masonboro Trace Subdivision  
Wastewater Collection System Extension  
New Hanover County

Dear Mr. Vandermeijden:

In accordance with your application received June 15, 2016 we are forwarding herewith Permit No. WQ0038560 dated July 19, 2016 to the CFPUA (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:

Standard Conditions:

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

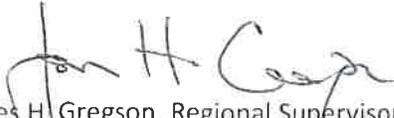
Condition II.4: Requires that the wastewater collection facilities be properly operated and maintained in accordance with 15A NCAC 2T .0403 or any individual system-wide collection system permit issued to the Permittee.

It shall be 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 Dean Hunkele at (910) 796-7215 or via e-mail at [Dean.Hunkele@ncdenr.gov](mailto:Dean.Hunkele@ncdenr.gov).

Sincerely,



James H. Gregson, Regional Supervisor  
Water Quality Regional Operations Section  
Wilmington Regional Office  
Division of Water Resources, NCDEQ

Cc: Charlie Cazier, Intracoastal Engineering  
WIRO, Water Quality Section – Wilmington Southside WWTP (NC0023973) Sewer Ext. File  
Central Files, Water Quality Section

Michael Leggett, PERCS Unit (via email)



Environmental  
Quality

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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

**CFPUA**

NEW HANOVER COUNTY

for the construction and operation upon certification of approximately 965 linear feet of 8-inch gravity sewer to serve 8 three-bedroom homes as part of the Masonboro Trace Subdivision project, and the discharge of 2,880 gallons per day of collected domestic wastewater into the CFPWA's existing sewerage system, pursuant to the application received June 15, 2016 and in conformity with 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 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.

**Permit Number:           WQ0038560**

**Issued Today:            July 19, 2016**

A handwritten signature in black ink, appearing to read 'James H. Gregson', written over a horizontal line.

James H. Gregson, Regional Supervisor  
Wilmington Regional Office  
Water Quality Regional Operations Section  
Division of Water Resources, NCDEQ

*By Authority of the Director and The Environmental Management Commission*

# SUPPLEMENT TO PERMIT COVER SHEET

CFPUA 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 Wilmington Southside Wastewater Treatment Facility in accordance with Permit Number NC0023973.

Permitting of this project does not constitute an acceptance of any part of the project that does not meet 15A NCAC 2T; the Division of Water Resources' (Division) 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.

## 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 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. **Noncompliance Notification:**

The Permittee shall report by telephone to a water resources staff member at the Wilmington Regional Office, telephone number (910) 796-7215, as soon as possible, but in no case more than 24 hours or on the next working day, 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 pump station design calculations (selected pumps, system curve, operating point, buoyancy calculations, and available storage if portable generator(s) or storage greater than longest past three year outage reliability option selected) for any pump stations permitted as part of this project.
- 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 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 .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)]

**FAST TRACK SEWER ENGINEERING CERTIFICATION**

**PERMITTEE:** CFPJA  
**PERMIT #:** WQ0038560  
**PROJECT:** Masonboro Trace Subdivision  
**ISSUE DATE:** July 19, 2016  
**COUNTY:** New Hanover

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. Consequently, it should be submitted in a manner that documents the Division's receipt. Send the required documentation to the Wilmington Regional Supervisor, Water Quality Section at the address at the bottom.

Any wastewater flow made tributary to the wastewater collection system extension prior to completion of this Certification shall be considered a violation of the permit and shall subject the Permittee to appropriate enforcement actions. The Permittee is responsible for tracking all partial certifications up until a final certification is received. A Final Certification shall be a complete set of record drawings and design calculations regardless of whether partials have been submitted.

**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

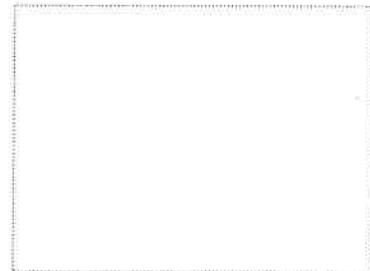
**ENGINEER'S CERTIFICATION**

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 construction such that the construction was observed to be built within substantial compliance of this permit; 15A NCAC 2T; the Division of Water Resources' (Division) 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.

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

Final

Partial



**Certification Comments/Qualifiers:**

# Project Detail

7/26/2016

**Serial No:** 16-00572      **Project Type:** WATER MAIN EXTENSION  
**Water System No.** NC0465010  
**Water System Name:** CFPWA-WILMINGTON      **County:** NEW HANOVER  
**Description:** MASONBORO TRACE

## Applicant

Name	Address	App Fee
CAREL VANDERMEYDEN, PE, ENG DIRECTOR	CAPE FEAR PUBLIC UTILITY AUTHORITY 235 GOVERNMENT CENTER DRIVE WILMINGTON NC 28403	\$ 150.00

## State Contact

Name	Title	Phone	Email
AJ	REVIEW ENGINEER NC PUBLIC WATER SUPPLY SECTION	919-707-9064	shashi.bhatta@ncdenr.gov

## Consulting Firms and Contacts

Name	Address	Phone	Email
INTRACOASTAL ENGINEERING, PLLC	5725 OLEANDER DRIVE UNIT E-7 WILMINGTON NC 28403	910-409-3567	charles@intracoastalengineering.com

## Project Events

Event	Date	Comments
APPROVED PROJECT MAILED	7/14/2016	JA
AUTH TO CONSTRUCT ISSUED	7/13/2016	AMJ
WSMP ON FILE - COMPLETE	7/13/2016	99-02138R1
APPROVAL OF PLANS	7/13/2016	AMJ
APPLICATION RECEIVED	7/7/2016	PROJECT OPENED



**WILMINGTON**

City of  
Wilmington  
North Carolina

**Development  
Services**

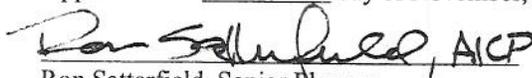
305 Chestnut Street  
PO Box 1810  
Wilmington, NC 28402-1810  
(910) 341-7873 tdd

**POLICY ON THE RELEASE OF PROJECTS FOR THE PURPOSE  
OF CLEARING AND GRADING**

No release of projects for the purpose of clearing and grading will be approved except under the following circumstances:

1. Any applications for State permits, including those for driveways, stormwater, water extensions and sewer extensions, CAMA, etc. must have been applied for and received by the applicable State agency. The application must have been submitted to the applicable State agency for a time period exceeding the minimum review time of such applicable agency, indicating a delay by the State agency in the review of the application. Evidence that the applicable State agencies will issue the permit as submitted shall be provided by the applicant or the clearing and grading release will not be issued.
2. If wetlands exist on the site, no clearing and grading release of the project will occur until all reviewing agencies have completed their review, approved the plan and issued the wetland permit. Any and all wetland permits shall be submitted to and received by the City of Wilmington prior to the clearing and grading release of a project.
3. If a project is released for clearing and grading, then the release shall be for clearing and grading only and subject to the limits as authorized by the approved erosion control plan. However, no walls, utilities, infrastructure, structure (including footings), etc. shall be constructed.
4. If the conditions listed above are violated, a stop work order shall be issued.
5. Pre-construction meetings shall be held with the applicant and city staff to discuss the limits of the conditional approval, construction entrance driveways, tree preservation/removal, and any other issue of concern that staff and/or the developer may have. The Technical Review Committee meeting is not a pre-construction meeting.
6. The developer assumes all risks and penalties with any delay or stop work order associated with the violation of this policy. An indemnification statement shall be placed on each release to guarantee that the City of Wilmington will not be held liable for any costs associated with the clearing and grading release.
7. The applicant will sign the clearing and grading release to acknowledge that he/she understands the conditions and risks associated with the release.
8. No partial release for clearing and grading release will be granted for any applicant that has violated these conditions during a twelve month time period from the date of request for clearing and grading release.

Approved this 19th day of November, 2002:

  
Ron Satterfield, Senior Planner

**Community Development**  
(910) 341-7836 telephone  
(910) 341-7802 facsimile

**Planning**  
(910) 341-3258 telephone  
(910) 341-7801 facsimile

**Engineering**  
(910) 341-7807 telephone  
(910) 341-5881 facsimile

**Development Management**  
(910) 254-0900 telephone  
(910) 341-3264 facsimile