



NC DEPARTMENT OF  
**HEALTH AND  
HUMAN SERVICES**

ROY COOPER • Governor  
KODY H. KINSLEY • Secretary  
MARK BENTON • Chief Deputy Secretary for Health  
SUSAN KANSAGRA • Assistant Secretary for Public Health  
Division of Public Health

**COMMON FORM FOR ENGINEERED OPTION PERMIT**

LHD USE ONLY: Initial submittal of this NOI received: \_\_\_\_\_ by \_\_\_\_\_  
Date Initials

**PART 1: Notice of Intent to Construct (NOI) - Please check all that apply.**

Single System or  Multiple Systems

AND

New  Expansion  Relocation of all or part of the Existing System  Relocation of Repair Area

Repair – LHD Permit Number \_\_\_\_\_  Repair – EOP/LSS COVID 19/AOWE Permit Number \_\_\_\_\_

1. Facility Owner's name: (Owner, Company Name, Utility, Partnership, Individual, etc.): \_\_\_\_\_

**RAW NC, LLC**

Mailing address: 1521 Taylor Farm Road City: Virginia Beach State: VA Zip: 23453

Telephone number: (757) 734-4508 E-mail Address: AnneRenee@RobWadsworth.com

2. Professional Engineer (PE) name: Mark Bissell License number: 010362

Mailing address: P.O Box 1068 City: Kitty Hawk State: NC Zip: 27949

Telephone number: (252) 261-3266 E-mail Address: mark@bissellprofessionalgroup.com

3. Licensed Soil Scientist (LSS) name: Ralph L. Hollowell, Jr. License number: 1083

Mailing address: 150 Doll Harrell Rd. City: Hertford State: NC Zip: 27944

Telephone number: (252) 340-9015 E-mail Address: lhollowell4hunt@gmail.com

4. Licensed Geologist (LG) (if applicable) name: N/A License number: \_\_\_\_\_

Mailing address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone number: \_\_\_\_\_ E-mail Address: \_\_\_\_\_

5. On-Site Wastewater Contractor name: Juniper Ridge Construction, LLC License number: 5167

Mailing address: P.O. Box 56 City: Moyock State: NC Zip: 27958

Telephone number: (252) 207-3001 E-mail Address: juniperridgeconstruction@gmail.com

6. Proof of Errors and Omissions or other appropriate liability insurance for the following persons is attached that includes the name of the insurer, name of the insured and the effective dates of coverage:

PE  LSS  LG  On-site Wastewater Contractor

7. Property location (physical address, tax parcel identification number or subdivision lot, block number of the property to be permitted): Lot 26, RAW NC, LLC division as recorded in P.C. 3, Slide 83B,

Washington County Registry

**NC DEPARTMENT OF HEALTH AND HUMAN SERVICES • DIVISION OF PUBLIC HEALTH**

LOCATION: 5605 SIX FORKS RD, RALEIGH NC 27609  
MAILING ADDRESS: 1642 MAIL SERVICE CENTER, RALEIGH NC 27699-1642  
www.ncdhhs.gov • TEL: 919-707-5874 • FAX: 919-845-3972

AN EQUAL OPPORTUNITY / AFFIRMATIVE ACTION EMPLOYER

County Name: Washington

8. Type of facility:  Place of residence No. Bedrooms: 4 max. No. Occupants: up to 8  
 Place of business Basis for flow calculation: \_\_\_\_\_  
 Place of public assembly Basis for flow calculation: \_\_\_\_\_

9. Factors that would affect the wastewater load: None known

10. Type and location of proposed wastewater system: Sand-lined trench system, located according to the attached site plan.

11. Design wastewater flow: 480 gpd (For flow > 3,000 gpd and industrial process, duplicate plans shall be sent to the State.)  
Design wastewater strength:  domestic  high strength  industrial process

12. A plat as defined in G.S. 130A-334(7a) is attached:  Yes  No

13. Location of proposed or existing wells (drinking water, irrigation, geothermal, groundwater monitoring, sampling, etc.) and any potable and non-potable water conveyance lines is indicated on attached plans and complies with 15A NCAC 18E .0601:  Yes  No  
This is a saprolite system.  Yes  No

14. Evaluation(s) of soil conditions and site features in accordance with G.S. 130A-335(a1) signed and sealed by a LSS is attached:  Yes  No

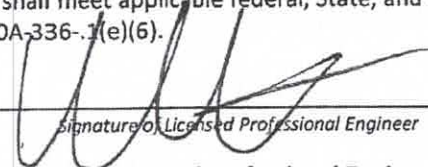
15. Evaluation of geologic and hydrogeologic conditions signed and sealed by a LG is attached  Yes  NA

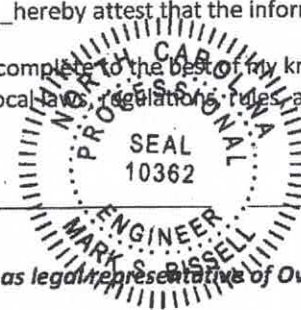
16. Proposed landscape, site, drainage, or soil modifications are attached:  Yes  NA

**Attestation by Professional Engineer licensed in North Carolina pursuant to G.S. 89C**

Mark S. Bissell

I, \_\_\_\_\_ hereby attest that the information required to be included with this Notice of Intent to Construct is accurate and complete to the best of my knowledge and that the proposed system shall meet applicable federal, State, and local laws, regulations, rules, and ordinances in accordance with G.S. 130A-336.1(e)(6).

*Registered Professional Engineer (Print Name)*  
  
*Signature of Licensed Professional Engineer*



10-10-25  
*Date*

**Designation of Registered Professional Engineer as legal representative of Owner for this Notice of Intent:**

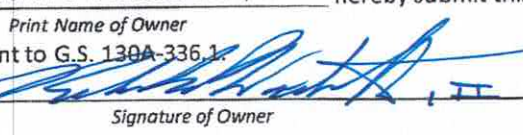
I, \_\_\_\_\_ hereby designate \_\_\_\_\_ as my legal representative for purposes of this Notice of Intent pursuant to G.S. 130A-336.1.

*Print Name of Owner*  
  
*Signature of Owner*

*Print Name of Registered Professional Engineer*  
  
*Date*

**Owner self-submittal of NOI:**

I, Robert A. Wadsworth, II hereby submit this NOI prepared by Mark Bissell pursuant to G.S. 130A-336.1.

*Print Name of Owner*  
  
*Signature of Owner*

*Print Name of Licensed PE*  
10-13-2025  
*Date*

**PART 3: Authorization to Operate (ATO)**

LHD USE ONLY: Initial submittal of this ATO received: \_\_\_\_\_ by \_\_\_\_\_  
Date Initials

The following items are included in this Authorization to Operate for an EOP:

- 1. Signed and sealed copy of the Engineer's report that includes the information in G.S. 130A-336.1(k)(1)  Yes  No
  - 2. Operation and management program and ORC contract, if applicable  Yes  No
  - 3. Letter documenting Owner's acceptance of the system from the PE  Yes  No
  - 4. Owner meets requirements control of the system per 15A NCAC 18E .0301(b)  Yes  No
  - 5. Easement, right of way, or encroachment agreement required per 15A NCAC 18E .0301(c)  Yes  No
  - 6. Multi-party agreements required, as applicable, per 15A NCAC 18E .0204(g)  Yes  No
- If yes, agreements filed in \_\_\_\_\_ County Register of Deeds in Deed Book \_\_\_\_\_ Page \_\_\_\_\_

**Attestation by the Owner or the PE for Authorization to Operate**

I, \_\_\_\_\_ hereby attest that all items indicated above have been provided  
*Print name of Owner or Professional Engineer*  
and the system meets applicable federal, State, and local laws, regulations, rules, and ordinances in accordance with G.S. 130A-336-.1(e)(6).

\_\_\_\_\_  
*Signature of Owner or Professional Engineer* \_\_\_\_\_  
*Date*

**NOTES:**  
*LIABILITY: The Department, the Department's authorized agents, or local health departments shall have no liability for wastewater systems designed, constructed, and installed pursuant to an Engineer Option Permit [G.S. 130A-336.1(f)]*

To: RAW NC, LLC

Re: Property located on Beasley Road (Paved/Rock)  
Washington County, NC  
Skinnerville Township

This tract of land has been evaluated for 27 lots – each lot consisting of several acres.

This property is typical of the coastal plain and soils are typical - usually a Tomotley soil or Roanoke soil. This soil series is a challenging soil due to the clay layer and poor drainage. This soil series typically covers large acres of land within the coastal region.

Based on this site, the following was found:

-Lots 12-27 located on the paved road of Beasley had a clay soil to approximately 48 inches (Btg), which proceeded into a sandy loam/loamy sand (C).

-Drainage on these lots has some artificial drainage with ditches, but also natural drainage directed to a large Dominion Energy Power Line that runs through the property, which is definitely helping to control the water table.

-There is also drainage that runs behind the property that helps control the water table.

Lots 1-11 are connected to this same drainage pattern.

Lots 1-11 also have a clay layer to approximately 48 inches (Btg), which proceeded into a sandy loam/loamy sand (C).

-These lots also have artificial drainage due to ditching.

-All lots would consist of the following:

-3 LTAR

-6 lines

-89' long

-1000-gallon tank

-Distribution Box

-Backfill Trench's to 4.5' with coarse sand

-10' centers

-3' Trench

-12 inches cover maximum

-Landscape to promote drainage, which includes crowning lots over system to promote surface drainage.

This design is based on the 15A NCAC 18E Rules and Performance of Sand Lined Trench Septic Systems on Wet, Clayey Soils in Northeastern North Carolina.

Profile

Ap - 0-7 inches-grayish (10 YR 4/2) Fine Sandy Loam

Btg 1 - 7-10 inches light gray (10 YR 7/1) Fine Sandy Loam, iron accumulation - clay films

Btg 2 - 10-40 inches-light gray/brownish gray (2.5 Y 6/2) Sandy Clay Loam-(7.5 YR 5/8)-clay films

BCg - 40-48 inches-light brownish gray (2.5 y 6/2) (10 YR 6/1)-yellowish brown (10 YR 5/8) Sandy Loam

Cg - 48+ inches-gray (10 YR 6/1) Loamy Sand

Never Hit Free Water on any borings.

*Ralph L. Hollowell, Jr*







**BRISSELL**  
 BRISSELL PROFESSIONAL GROUP  
 1917 NORTH CHARLES HIGHWAY  
 FRI, PA 19044  
 (610) 381-1000  
 FAX (610) 381-1100  
 ENGINEERING, ARCHITECTURE  
 AND ENVIRONMENTAL SCIENCE

WASHINGTON COUNTY  
 NORTH CAROLINA  
 KIMBERLY BARBOR PROPERTIES  
 RAW NC, LLC  
 WASTEWATER DETAIL

REVISIONS	
NO.	DATE DESCRIPTION BY
1	7/17/25
2	8/12/25
3	8/27/25
4	9/10/25
5	9/24/25
6	10/8/25
7	10/22/25
8	11/5/25
9	11/19/25
10	12/3/25
11	12/17/25
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