



North Carolina Onsite Wastewater Contractor Inspector Certification Board
Authorized Onsite Wastewater Evaluator Permit Option for Non-Engineered Systems
Notice of Intent (NOI) to Construct

☒ New ☐ Expansion ☐ Repair ☐ Relocation ☐ Relocation of Repair Area

Owner or Legal Representative Information:

Name: Luke Cockerham

Mailing address: 4168 Saint Andrews Church Rd City: Sanford State: NC Zip: 27332

Phone: 919-343-8461 Email: lukecockerham3@gmail.com

Authorized Onsite Wastewater Evaluator Information:

Name: Hal Owen Certification #: 10036E

Mailing address: PO Box 400 City: Lillington State: NC Zip: 27546

Phone: 910-893-8743 Email: hal@halowensoil.com

Site Location Information:

Site address: 1624 Cool Springs Rd, Lillington, NC 27546

Tax parcel identification number or subdivision lot, block number of property: _____

Tract 1; PIN 0611-65-7331.000 County: Harnett

System Information:

Wastewater System Type: 1lb (Accepted wastewater gravity system)

Daily Design Flow: 360 gpd

Saprolite System: ☐ Yes ☒ No Subsurface Operator Required: ☐ Yes ☒ No

Water Supply Type: ☐ Private Well ☒ Public Water Supply ☐ Spring ☐ Other: _____

Facility Type:

☒ Residential 3 # Bedrooms 6 Maximum # of Occupants

☐ Business Type of Business and Basis for Flow: _____

☐ Public Assembly Type of Public Assembly and Basis for Flow: _____

Required Attachments:

☒ Plat or Site Plan

☒ Evaluation of Soil and Site Features by Licensed Soil Scientist

Attest: On this the 4 day of September, 2025 by signature below I hereby attest that the information required to be included with this NOI to Construct is accurate and complete to the best of my knowledge. Furthermore, I hereby attest that I have adhered to the laws and rules governing onsite wastewater systems in the state of North Carolina.

This NOI shall expire on 4 day of September, 2030.

Signature of Authorized Onsite Wastewater Evaluator: Hal Owen

Signature of Owner or Legal Representative: Luke Cockerham

Disclosure: The owner may apply for a building permit for the project upon submitting a complete NOI to Construct and the fee required (if any) to the local health department. An onsite wastewater system authorized by an authorized onsite wastewater evaluator shall be transferable to a new owner with the consent of the authorized onsite wastewater evaluator.

Local Health Department Receipt Acknowledgement:

Signature of Local Health Department Representative: _____ Date: _____



HALOWE1

OP ID: TOT

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

09/04/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER INSURANCE SERVICE CTR -LILLING LILLINGTON BRANCH OFFICE PO Box 1565 LILLINGTON, NC 27546 DANIEL L. BABB	910-893-5707	CONTACT NAME: SHARON WOODY PHONE (A/C, No, Ext): 910-893-5707 E-MAIL ADDRESS: swoody@iscfay.com FAX (A/C, No): 910-893-2077														
INSURED HAL OWEN & ASSOCIATES, INC. PO BOX 400 LILLINGTON, NC 27546		<table border="1"><thead><tr><th>INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr></thead><tbody><tr><td>INSURER A : STARSTONE NATIONAL</td><td></td></tr><tr><td>INSURER B :</td><td></td></tr><tr><td>INSURER C :</td><td></td></tr><tr><td>INSURER D :</td><td></td></tr><tr><td>INSURER E :</td><td></td></tr><tr><td>INSURER F :</td><td></td></tr></tbody></table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : STARSTONE NATIONAL		INSURER B :		INSURER C :		INSURER D :		INSURER E :		INSURER F :	
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COVERAGES**CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☐ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☐ PRO-JECT ☐ LOC OTHER:					EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
	AUTOMOBILE LIABILITY ☐ ANY AUTO OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY					COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB ☐ OCCUR EXCESS LIAB ☐ CLAIMS-MADE DED ☐ RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) ☐ Y / N If yes, describe under DESCRIPTION OF OPERATIONS below					PER STATUTE ☐ OTH-ER ☐ E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	PROFESSIONAL LIAB.		42ESP00143901	01/27/2025	01/27/2026	PER OCC. 1,000,000 AGGREGATE 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER**CANCELLATION**

LUKE COCKERHAM
4168 SAINT ANDREWS CHURCH RD
SANFORD, NC 27332

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Taylor Wallace

AOWE EVALUATIONHAL OWEN ASSOCIATES
www.halowensoil.com

HOA-AOWE-2508-9

Issue date 9/4/2025

Expiration 9/4/2030

APPLICANT INFORMATION

Name	Luke Cockerham		
Mailing Address	4168 Saint Andrews Church Rd, Sanford, NC 27332		
E-mail Address	lukecockerham3@gmail.com	Telephone Number	919-343-8461

PROPERTY IDENTIFIERS

County	Harnett	PIN	0611-65-7331.000
Size (Acre)	0.79	County PID	130611002413
Site Address	1624 Cool Springs Rd, Lillington, NC 27546		
S/D Name and Lot#	Tract 1		

PROJECT INFORMATION

Wastewater System	New	.0403 Eng Low Flow	No
Wastewater Strength	Domestic	Effluent Standard	DSE
Facility Type	Residential	Water Supply	Public Water
Design Wastewater Flow	360 gpd	gal/unit	120
Basis for Flow	3 bedrooms	max occupancy	6
Basement	No	Fixtures in basement?	No
Crawl Space	Yes	Slab Foundation	No

CONSULTANT INFORMATION

Company Name	Hal Owen & Associates, Inc.		
Mailing Address	PO Box 400, Lillington, NC 27546		
E-mail Address	hal@halowensoil.com	Telephone Number	910-893-8743
Licensed Soil Scientist	Britt Wilson, LSS#1351	AOWE	Hal Owen, #10036E

A soil and site evaluation has been conducted for the referenced property for the purpose of permitting a subsurface wastewater system. This evaluation was prepared based on information provided by the applicant to include the basis for design flow, proposed structure location(s), and property boundaries. Any false, inaccurate, or incomplete information provided by the applicant, owner, or legal representatives may result in denial or revocation of applications, approvals, or permits.

This AOWE Evaluation is being submitted pursuant to and meets the requirements of G.S.130A-336.2. This evaluation includes a soil and site evaluation, specifications, plans, and reports for the site layout and construction of a proposed onsite wastewater system by an Authorized On-Site Wastewater Evaluator (AOWE). The evaluation of soil conditions and site features is provided in accordance with G.S. 130A-335(e), the Rules for "Wastewater Treatment and Dispersal Systems", 15A NCAC 18E, and local septic regulations (if any). This report represents my professional opinion as a Licensed Soil Scientist and Authorized Onsite Wastewater Evaluator.



AOWE EVALUATION

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WASTEWATER SYSTEM DESIGN SPECIFICATIONS

Permit # HOA-AOWE-2508-9

Proposed Design Daily Flow	<u>360</u> gpd	Drainfield Meets Requirements:
Septic Tank Size (minimum)	<u>1000</u> gallons	.0508 Available Space <u>Yes</u>
Pump Tank Size (minimum)	<u>1000</u> gallons, if required	.0601 Setbacks <u>Yes</u>

Initial System

System Type	<u>IIb - Accepted wastewater gravity system</u>		
Pump Required	<u>No</u>	ft TDH at	<u> </u> GPM
Trenches:	<u>Quick4 standard chamber 25% reduction</u>		
Design LTAR	<u>0.30</u> gal/day/ft ²	Saprolite System	<u>No</u>
Total Trench/ Bed Length	<u>300</u> feet	Fill System	<u>No</u>
Trench Spacing	<u>9</u> ft on center		
Usable soil depth to LC	<u>38</u> inches		
Maximum Trench Depth	<u>19</u> inches, measured on downhill side of trench		
Minimum Soil Cover	<u>6</u> inches		
Artificial Drainage Required	<u>No</u>		

Repair System

System Type:	<u>IIb - Accepted wastewater gravity system</u>		
Pump Required	<u>No</u>		
Trenches:	<u>Quick4 standard chamber 25% reduction</u>		
Design LTAR	<u>0.30</u> gal/day/ft ²	Saprolite System	<u>No</u>
Total Trench/ Bed Length	<u>300</u> feet	Fill System	<u>No</u>
Trench Spacing	<u>9</u> ft on center		
Usable soil depth to LC	<u>38</u> inches		
Maximum Trench Depth of	<u>19</u> inches, measured on downhill side of trench		
Minimum Soil Cover	<u>6</u> inches		

Potential Drainlines flagged at site on 9-ft centers.

Line #	Color	Relative Elevation (ft)	Drainline Length(ft)	Field Length(ft)	
1	R	106.64	100	115	Initial
2	Y	104.89	100	104	
3	B	103.38	100	84	
4	W	101.51	100	97	
5	R	99.53	100	89	Repair
6	Y	97.41	60	79	
7	B	95.58	40	40	
Septic Tank:		107.60			
Reference Elev:		100.00			

Notes:

- *No grading or removal of soil in initial or repair areas
- *Property lines per owner
- *Trench bottoms shall be level to +/- 1/4" in 10ft
- *All parts of septic system must meet minimum setbacks

AOWE EVALUATION

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HOA-AOWE-2508-9

PERMIT CONDITIONS

The requirements of 15A NCAC 18E are incorporated by reference into this permit and shall be met.

System shall be installed in accordance with the attached Wastewater System Design Specificaitons.
See attached SYSTEM LAYOUT for wastewater system design and location.

Any changes to the site plan or intended use must be approved by Hal Owen & Associates. Permit modification and resubmittal to the LHD may be necessary to ensure regulatory compliance.

Conformance to ALL regulatory setbacks shall be maintained. Local regulations (such as County, well, or riparian ordinances) may require more stringent setbacks than specified in the State septic regulations.

Minimum soil cover of six inches shall be established over dispersal field. Soil cover above the original grade shall be placed at a uniform depth over the entire dispersal field and shall extend laterally five feet beyond the dispersal trench. Site shall be graded to shed water away from field and a vegetative cover established to prevent erosion.

The dispersal field and repair area shall not be subject to vehicular traffic. Vehicular traffic can damage soils, pipes, and valve boxes. Do not use septic areas for parking.

Do not allow underground utilities, water lines, or sprinkler systems to be installed in the septic areas. Damage to the septic areas could result in the septic permit being revoked.

The wastewater system shall not be covered until inspected by Hal Owen & Associates and shall not be placed into use until an Authorization to Operate is issued.

SPECIFIC REQUIREMENTS

A pre-construction conference with the septic contractor is required prior to installation.
Call Hal Owen & Associates at least five days in advance to schedule 910-893-8743

The inlet and outlet of all tanks shall be equipped with an approved pipe penetration boot.

A pump tank should be added if gravity distribution cannot be demonstrated.

All gutter drains must be diverted away from the septic field.

Design Daily Flow: 360 gpd

Initial System:

Gravity to 3 X 100' (x3ft) Lines 1-3
Quick4 Standard Chambers (25% reduction system)
Installed on contour, MTD 19"
LTAR 0.30 gal/day/sqft

Repair System:

Gravity to 1 X 300' (x3ft) Lines 4-7
Quick4 Standard Chambers (25% reduction system)
Installed on contour, MTD 19"
LTAR 0.30 gal/day/sqft

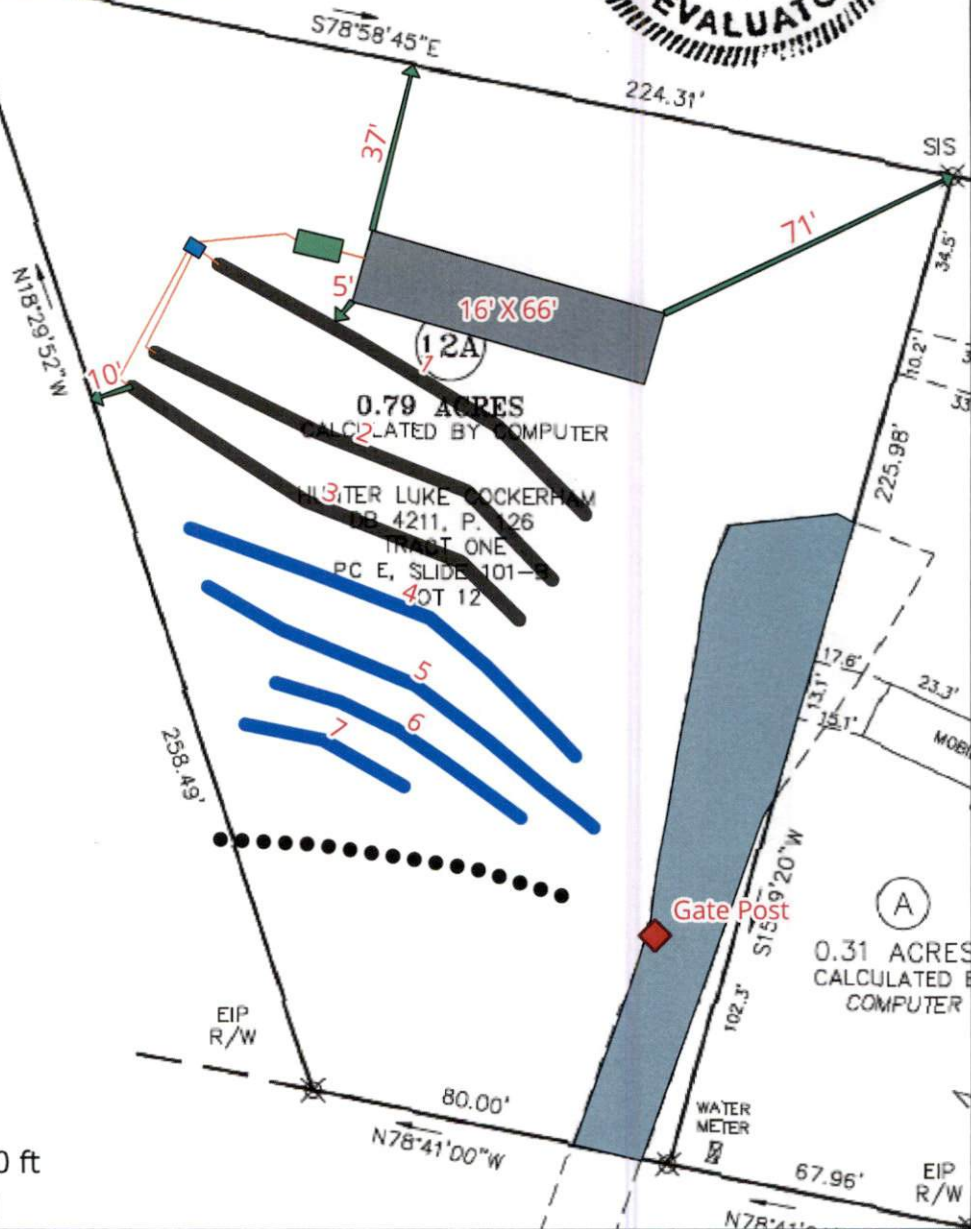
Notes:

- *No grading or removal of soil in initial or repair areas
- *Property lines per owner
- *Trench bottoms shall be level to +/- 1/4" in 10ft



Legend

- House Site
- Driveway
- Distances
- Reference Elevation
- Ditch
- Septic Components
 - Septic Tank
 - Distribution Box
- Drainlines
 - Initial
 - Repair
 - Supply Line



0 40 80 ft

Hal Owen & Associates Inc.
PO Box 400, Lillington, NC 27546
www.halowensoil.com
919-893-8743

1624 Cool Springs Rd
Lillington, NC
Harnett Co.



Septic Layout

For reference only. Not a survey.

AOWE EVALUATION

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INITIAL WASTEWATER SYSTEM

Permit # HOA-AOWE-2508-9

Gravity System Design Criteria

DESIGN DAILY FLOW 360 gallons

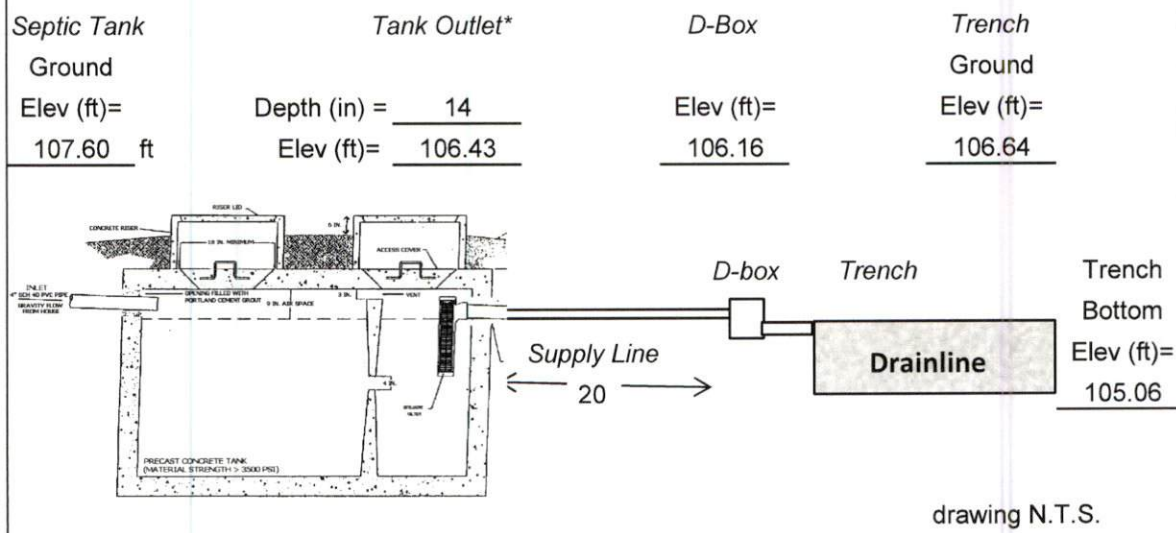
SOIL LTAR: 0.30 gpd/ft²

TANK (minimum) Septic Tank: 1000 gallons

SUPPLY LINE Length (ft): 20 Diameter: 3 " sch 40 pvc
slope = 1.38% *minimum slope of supply line is 1/8" per foot (%1.04)

TRENCHES Drainline Type: Quick4 standard chamber 25% reduction
Maximum Trench Depth of 19 inches, measured on downhill side
Trench height: 12 inches Trench width: 3 ft
Trench Length Factor: 75 % Effective Trench Width: 4 ft
Absorption Area: 900 ft² Minimum Linear Length: 300 ft
Actual Trench Length: 3 X 100 ft = 300 ft

Gravity Distribution Schematic



*Outlet depth of septic tank is dependant upon the depth of the plumbing stub out from the home.
A pump tank should be added if gravity distribution cannot be demonstrated.

AOWE EVALUATION

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REPAIR WASTEWATER SYSTEM

Permit # HOA-AOWE-2508-9

Gravity System Design Criteria

DESIGN DAILY FLOW 360 gallons

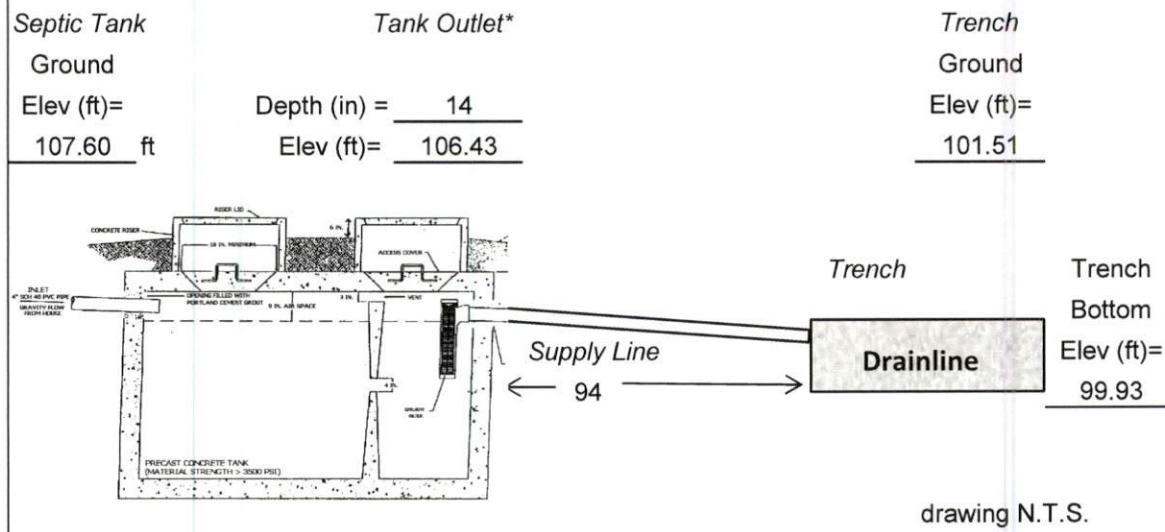
SOIL LTAR: 0.30 gpd/ft²

TANK (minimum) Septic Tank: 1000 gallons

SUPPLY LINE Length (ft): 94 Diameter: 3 " sch 40 pvc
slope = 5.86% *minimum slope of supply line is 1/8" per foot (%1.04)

TRENCHES Drainline Type: Quick4 standard chamber 25% reduction
Maximum Trench Depth of 19 inches, measured on downhill side
Trench height: 12 inches Trench width: 3 ft
Trench Length Factor: 75 % Effective Trench Width: 4 ft
Absorption Area: 900 ft² Minimum Linear Length: 300 ft
Actual Trench Length: 1 X 300 ft = 300 ft

Gravity Distribution Schematic



*Outlet depth of septic tank is dependant upon the depth of the plumbing stub out from the home.
A pump tank should be added if gravity distribution cannot be demonstrated.

Legend

House Site

Driveway

Ditch

Soil Units

Suitable

Unsuitable

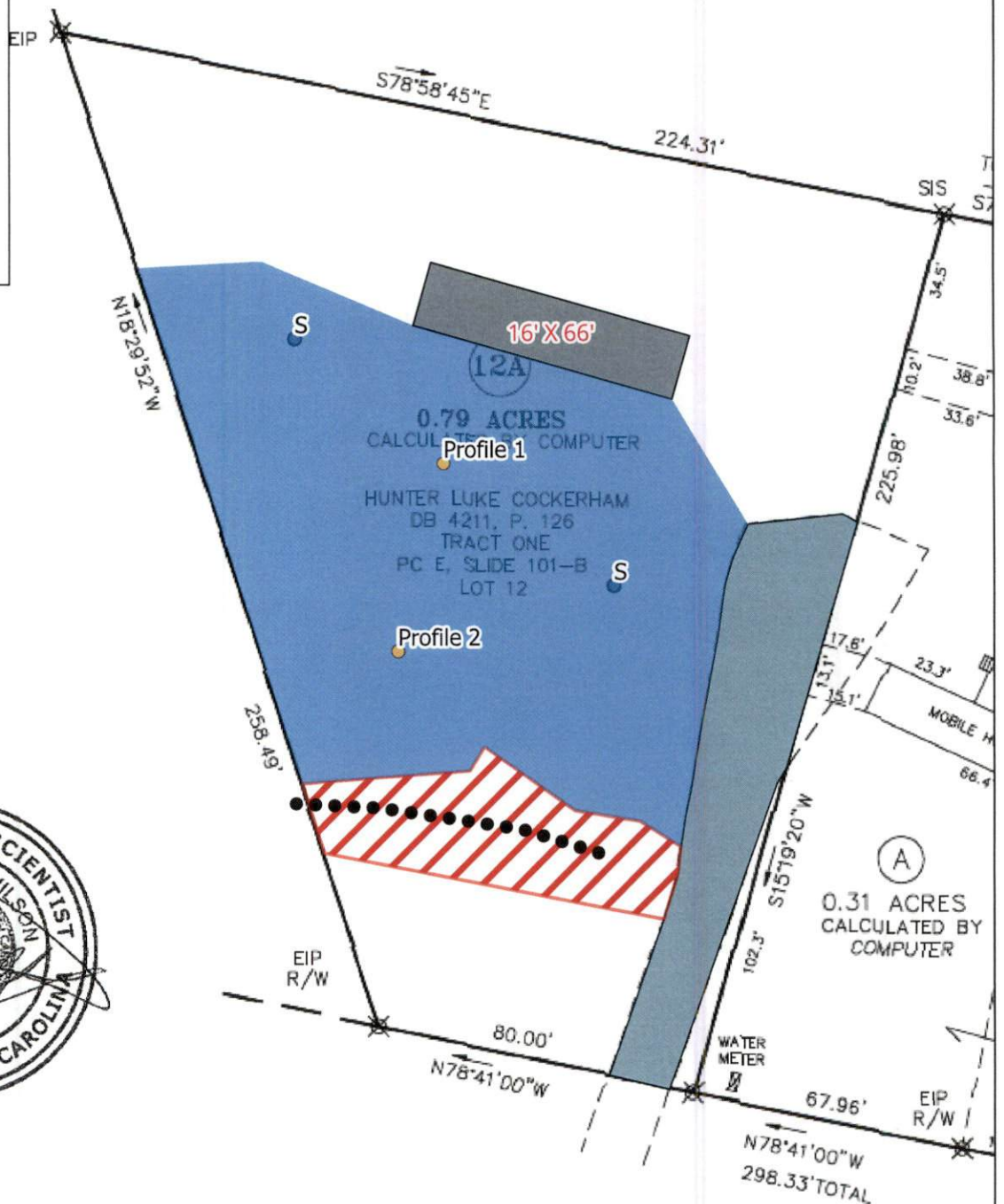
Soil Borings

Soil Profiles

Suitable Soils



0 40 80 ft



Hal Owen & Associates Inc.
PO Box 400, Lillington, NC 27546
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919-893-8743



1624 Cool Springs Rd
Lillington, NC
Harnett Co.

Soil Map for Septic Suitability

For reference only. Not a survey.

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SOIL/SITE EVALUATION FORM FOR ON-SITE WASTEWATER SYSTEM

OWNER NAME:	Luke Cockerham		
PROPOSED FACILITY:	Residential	DESIGN DAILY FLOW: 360	WATER SUPPLY Public Water
LOCATION OF SITE:	1624 Cool Springs Rd, Lillington, NC 27546		PIN: 0611-65-7331.000
WASTEWATER TYPE:	Domestic	COUNTY: Harnett	
EVALUATION METHOD:	AUGER BORING ☒	PIT ☐	CUT ☐
EVALUATED BY:	Britt Wilson, LSS#1351		DATE EVALUATED: 8/27/25

	INITIAL SYSTEM	REPAIR SYSTEM
AVAILABLE SPACE	900 ft ² trench bottom	900 ft ² trench bottom
SYSTEM TYPE	Quick4 standard chamber 25% reduction	Quick4 standard chamber 25% reduction
SITE LTAR	0.30 gpd/ft ²	0.30 gpd/ft ²
MAX TRENCH DEPTH	19 inches (measured on downhill side)	19 inches (measured on downhill side)
SITE CLASSIFICATION	Suitable	OTHER FACTORS

PROFILE 1

HORIZON DEPTH	COLOR	CONSISTENCE	TEXTURE	STRUCTURE	MINERALOGY	OTHER PROFILE FACTORS	
0-3	10YR 4/3	FR	SL	GR	SEXP	LANDSCAPE POSITION	L
3-7	5YR 4/6	FI	C	SBK	SEXP	SOIL WETNESS DEPTH	>49"
7-17	2.5YR 11/8	FI	C	SBK	SEXP	SOIL WETNESS COLOR	
17-32	2.5YR 4/8	FR	SCL	SBK	SEXP	SOIL DEPTH	38"
32-38	2.5YR 4/6	FR	SCL	SBK	SEXP	SAPROLITE CLASS	S
38-49+	5YR 5/4	VFR	SL	SBK	SEXP	RESTRICTIVE HORIZON	NA
						SLOPE %	19
PROFILE CLASSIFICATION			Suitable	LTAR gpd/ft ²	0.3	SLOPE CORRECTION (IN)	6.8
COMMENT							

HORIZON DEPTH	COLOR	CONSISTENCE	TEXTURE	STRUCTURE	MINERALOGY	OTHER PROFILE FACTORS	
0-7	10YR 4/2	VFR	LS	GR	SEXP	LANDSCAPE POSITION	CC
7-18	5YR 4/6	FI	C	SBK	SEXP	SOIL WETNESS DEPTH	>48"
18-37	5YR 4/6	FI	SC	SBK	SEXP	SOIL WETNESS COLOR	
37-43	5YR 4/6	FI	SC	SBK	SEXP	SOIL DEPTH	43"
43-48+	5YR 4/4	VFR	SL	SBK	SEXP	SAPROLITE CLASS	S
						RESTRICTIVE HORIZON	NA
						SLOPE %	22
PROFILE CLASSIFICATION			Suitable	LTAR gpd/ft ²	0.3	SLOPE CORRECTION (IN)	
COMMENT							

AOWE EVALUATION

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SOIL/SITE EVALUATION FORM FOR ON-SITE WASTEWATER SYSTEM

LEGEND OF ABBREVIATIONS

LANDSCAPE <u>POSITION</u>	TEXTURE <u>GROUP</u>	TEXTURE <u>CLASS</u>	<u>LTAR</u> (gal/day/sqft)
CC - Concave Slope CV - Convex Slope DS - Debris Slump D - Depression DW - Drainage Way FP - Flood Plain FS - Foot Slope H - Head Slope L - Linear Slope N - Nose Slope R - Ridge S - Shoulder Slope T - Terrace TS - Toe Slope	I	S - Sand LS - Loamy Sand	1.2-0.8
		SL - Sandy Loam L - Loam	
	II	SL - Sandy Loam L - Loam	0.8 – 0.6
		SCL - Sandy Clay Loam CL - Clay Loam	
	III	SiL - Silt Loam	0.6 – 0.3
		Si - Silt	
		SiCL - Silt Clay Loam	
	IV	SC - Sandy Clay	0.4 – 0.1
		C - Clay	
		SiC - Silty Clay	
		O - Organic	none
<u>STRUCTURE</u>	<u>MOIST CONSISTENCE</u>	<u>WET CONSISTENCE</u>	
G - Single Grain M - Massive CR - Crumb GR - Granular SBK - Subangular Blocky ABK - Angular Blocky PL - Platy PR - Prismatic	VFR - Very Friable FR - Friable FI - Firm VFI - Very Firm EFI - Extremely Firm	NS - Non Stick	
		SS - Slightly Sticky	
		MS - Moderately Stick	
		VS - Very Sticky	
	<u>MINERALOGY</u>	NP - Non Plastic	
		SP - Slightly Plastic	
		MP - Moderately Plastic	
		VP - Very Plastic	
<u>MOTTLES</u>	f – few	1 - fine	F - Faint
	c – common	2 - medium	D - Distinct
	m – many	3 - coarse	P - Prominent

Give Horizon Depth in inches below natural soil surface and Fill Depth in inches above land surface.

Depth to Soil Wetness: inches below land surface to free water or to soil colors with chroma 2 or less.

Classification: S – Suitable U – Unsuitable

All soil characteristics were described in accordance with the USDA Field Book for Describing and Sampling Soils. The soils were evaluated under moist soil conditions. This evaluation included observations of topography and landscape position, soil morphology (texture, structure, clay mineralogy, organics), soil wetness, soil depth, and restrictive horizons.

TERMS AND CONDITIONS

This AOWE Evaluation is intended to file a Notice of Intent to construct a wastewater system with the Local Health Department and shall expire in five years. This evaluation is not a permit to develop. The owner and subcontractors will need to abide by all state and local rules and regulations pertaining to planning, zoning, and land use development.

Notice of Intent to Construct – Prior to commencing or assisting in the construction, siting, relocation, or repair of a wastewater system, a complete Notice of Intent (NOI) to Construct a wastewater system using an AOWE must be submitted to the Local Health Department (LHD). The owner may apply for a building permit for the project upon submitting a complete NOI and the required fee.

Plan Alterations – If there are any changes in the site plan that can impact the wastewater system, such as moving the house or driveway, site alterations, or if the applicant chooses to change the design daily flow prior to wastewater system construction, a new NOI shall be submitted to the LHD. The applicant shall request in writing that the PE or AOWE invalidate the prior NOI with a signed and sealed letter sent to the applicant and LHD.

Site Alterations – The applicant shall be responsible for preventing modifications or alterations of the site for the wastewater system and the system repair area before, during, and after any construction activities for the facility, unless approved by the AOWE.

On-Site Wastewater System Contractor – The AOWE shall assist the owner in the selection of a certified on-site wastewater system contractor who shall be under contractual obligation to the owner and have sufficient errors and omissions, liability, or other insurance for the system constructed.

Inspections, Construction Observations, and Reports – The AOWE shall make periodic visits to the site to observe the progress and quality of the construction of the wastewater system.

Authorization to Operate (ATO) – Upon determining that the wastewater system has been properly installed and is capable of being operated in accordance with the conditions of the permit, the AOWE shall provide the owner with a report that includes inspection reports, a written operation and management program, any special reports, and an Authorization to Operate. The owner shall sign confirming acceptance and receipt of the report, and then provide a copy to the LHD who will issue the certificate of occupancy for the facility.

Operation and Management – The owner shall be responsible for continued adherence to the operations and management program established by the AOWE. This permit shall in no way be taken as a guarantee or implied warranty that the septic system will function satisfactorily for any given period of time.

Change in System Ownership – An authorized wastewater system shall be transferrable to a new owner with the consent of the AOWE. The new owner and the AOWE shall enter a contract for the wastewater system.

Revocation – The AOWE permit is subject to revocation if the site plan, plat, or the intended use changes. This permit is subject to compliance with the provisions of the laws and Rules for Wastewater Treatment and Dispersal Systems and to the conditions of this permit.

Repair of Malfunctioning Systems – The owner may apply for an Improvement Permit and a Construction Authorization from the LHD or obtain a NOI from an AOWE to repair a malfunctioning wastewater system.

HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

P.O. Box 400, Lillington NC 27546-0400

Phone (910) 893-8743 / Fax (910) 893-3594

www.halowensoil.com

4 September 2025

Luke Cockerham
4168 Saint Andrews Church Rd
Sanford, NC 27332

Reference: Applicant Instructions for Private Septic Permit
1624 Cool Springs Rd, Lillington, NC 27546

Dear Mr. Cockerham,

A soil and site evaluation has been conducted for the above referenced property for the purpose of permitting a subsurface sewage waste disposal system. The wastewater system may not be installed until Notice of Intent (NOI) is filed with the Local Health Department (LHD). You will need to file a septic application with the LHD, pay the filing fee, and provide a signed copy of the AOWE permit package. After filing a complete NOI, you may apply for building permits.

The AOWE permit package includes:

- Notice of Intent (NOI) to Construct Form (**owner must sign NOI**)
- Certificate of Insurance for Hal Owen & Associates, Inc.
- A plat or site plan
- AOWE Evaluation for the subject property

If you file application using the permit portal, please add Hal Owen & Associates (hal@halowensoil.com) as a contact to allow us access to the project.

WATER SUPPLY

You will need to file an application with the County for a public water connection.

REGULATORY COMPLIANCE

Before installing a wastewater dispersal system or making any improvements to the property, it is the landowner's responsibility to verify that any proposed improvements comply with all applicable federal, state and local laws, rules, and regulations concerning land use, zoning, subdivision, erosion control, flood damage prevention, wetland regulations and any other land development restrictions.

CLEARING AND SEPTIC AREA PREPARATION

It is important that you do not disturb the septic areas during site construction. A staked line or protective fence should be placed around the system areas prior to construction to eliminate any potential damage to the soil or the layout of the system. Septic areas should not be used for staging construction materials or subjected to vehicular traffic. Do not cut, grade, fill, install utilities, or otherwise alter the designated septic areas.

Care should be taken when clearing vegetation from the septic area. Work should only occur when the soil is at the appropriate moisture content to limit the impact to the soil structure in the soil treatment area. Do not scrape the ground inside the drainfield. **Any clearing or preparation of the septic areas shall be done without removal, disturbance, or compaction of the soil.**

SEPTIC SYSTEM INSTALLATION

Hal Owen & Associates Inc. is responsible for inspecting and approving the septic system installation; therefore, it is important for you to coordinate with us in choosing an installer to ensure a quality installation and to avoid project delays, cost overrun, or permit revocation. The septic system installer shall hold a current certification from the North Carolina Onsite Wastewater Contractor Inspector Certification Board as a **Level II installer or higher**. The installer shall **provide proof of liability insurance** with effective dates of coverage. The installer shall submit a **signed and dated statement of responsibility** to the owner, prior to commencement of work, that contains acknowledgement of the requirements of the onsite wastewater system specified by the AOWE (a sample form is attached). A courtesy list of installers we often work with is attached.

Hal Owen & Associates Inc should be **contacted at least five days** prior to the anticipated septic installation date in order to schedule a **pre-construction conference and site visit**. We will observe and note current site conditions and verify the locations of the structure, driveway, parking, and septic system layout. If any features are found to be out of compliance with the AOWE Permit, the inspector may delay the start of installation until issues are resolved.

AUTHORIZATION TO OPERATE (ATO)

Hal Owen & Associates Inc. will inspect the septic system prior to the system being covered. A Post-Construction Conference with the installer, owner (or agent), and Hal Owen & Associates staff is required. The conference shall include start-up and any required verification of the system components. Upon determining that the system is properly installed, we will issue an Authorization to Operate (ATO) and include an inspection report, as-built sketch, and system operation and management program. The applicant shall provide a copy of these documents along with the filing fee to the LHD, who will issue the certificate of occupancy for the facility.

Our services associated with the ATO permit will be billed at an hourly rate at the time the system is installed. You should budget \$500 for a gravity system and \$1000 for a pump system for these services.

I appreciate the opportunity to provide this service. If you have any questions or need additional information, please contact me at your convenience.

Sincerely,

A handwritten signature in black ink, appearing to read "Hal Owen". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Hal Owen
Licensed Soil Scientist
Authorized Onsite Wastewater Evaluator

Local Septic System Installers

Name	Telephone	Level & Cert#	County
Jason Matthews Matthews Backhoe Service Fuquay-Varina, NC	(919) 552-2669	Level IV #1228	Harnett
Don Gaddy Don Gaddy Septic Cameron, NC	(910) 245-3066	Level IV #2706	Moore
Jay Adcock Adcock Excavating LLC Fuquay-Varina, NC	(919) 552-6724	Level IV #1902	Wake
Edward Faison Quality Septic Services Inc Wendell, NC	(919) 365-9823	Level IV # 4530	Wake
Shane MacDonald Eastern Septic and Inspections Erwin, NC	(910) 580-1500	Level IV # 5572	Harnett
John Jones Jones Septic Tank Service Raeford, NC	(910) 875-7616	Level IV #4948	Hoke
Clint Adams Clint Adams Hauling and Grading Angier, NC	(919) 868-1674	Level IV #1205	Harnett
Tyler A Nordan Gene's Backhoe Services Willow Spring, NC	(919) 868-2754	Level IV #3795	Johnston
John Allen Scott Scott Septic Service Robbins, NC	(910) 783-5688	Level II #6891	Moore
Christian Blake Boswell Boswell And Son Septic Tank Sharpsburg, NC	(252) 977-9384	Level IV #1254	Nash
Bobby Winn Thomas State Mobile Home Movers Benson, NC	(919) 422-8623	Level IV #4813	Johnston
Arturo Cardenas Cardenas Construction Angier, NC	(919) 291-9555	Level II #2455	Harnett

For a complete list of certified subsurface operators in NC go to <https://ncowcib.info/>

INFORMATION FOR THE INSTALLER

- Current certification from the NCOWCICB as a Level II installer or higher is required.
- Read the permit carefully prior to bidding.
- Note whether tanks must be water tested and a certificate provided prior to installation.
- Submit a signed and dated statement of responsibility to the owner, prior to commencement of work, that contains acknowledgement of the requirements of the onsite wastewater system specified by the AOWE. A sample form is attached. Email a copy of the signed statement to hal@halowensoil.com for our records.
- Provide proof of liability insurance with effective dates of coverage to:
Hal Owen & Associates, Inc.
PO Box 400
Lillington, NC 27546
- Call Hal Owen & Associates at least **5 days** in advance for a pre-construction conference and to schedule the installation date.
- Install system during dry conditions in order to protect the soil structure.
- Elevations at pin flag locations should be checked by installer prior to digging trenches. Hal Owen & Associates sets pin flags at the center of the trench.

On-Site Wastewater System Contractor

Statement of Responsibility

Project Name (site identifiers): _____

County: _____ LHD Reference: _____

AOWE: Hal Owen, LSS #1102 and AOWE #10036E HOA Permit#: _____

Wastewater System Owner:

Name: _____

Mailing Address: _____

I, _____, am a certified on-site wastewater system contractor licensed in the State of North Carolina pursuant to article 5 of Chapter 90A of the General Statutes. I acknowledge the requirements of the on-site wastewater system specified by the Authorized On-Site Wastewater Evaluator (AOWE) and agree to be responsible for all aspects of the construction and installation of the wastewater system and its components, including adherence to specifications and any special inspections that are prepared, signed, and sealed by the AOWE. I have sufficient errors and omissions, liability, or other insurance for the system to be constructed.

Signature of Installer

Certification #

Date