

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: Caviness and Cates
Mailing address: 639 Executive Place Ste. 400 City: Fayetteville State: NC Zip: 28305
Phone: 910-709-9801 Email: pam@cavinessandcates.com
Authorized Onsite Wastewater Evaluator Information:
Name: Mike Eaker Certification #: 10013E Mailing address: PO Box 9321 City: Fayetteville State: NC Zip: 28311 Phone: 910-822-4540 Email: Mike@southeasternsoil.com
Mailing address: PO Box 9321 City: Fayetteville State: NC Zip: 28311
Phone: 910-709-9801 Email: pam@cavinessandcates.com Authorized Onsite Wastewater Evaluator Information: Name: Mike Eaker Certification #: 10013E Mailing address: PO Box 9321 City: Fayetteville State: NC Zip: 28311 Phone: 910-822-4540 Email: Mike@southeasternsoil.com
Site Location Information:
Site address: 496 Black Duck Lane, Lillington, NC 27546
Tax parcel identification number or subdivision lot, block number of property: Ducks Landing Lot 74
0527-51-4767.000 County: Harnett
Saprolite System: Yes No Subsurface Operator Required: Yes No Water Supply Type: Private Well Public Water Supply Spring Other: Facility Type: Residential 4 # Bedrooms 8 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 8day of May, 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 8day of May, 2030 Signature of Authorized Onsite Wastewater Evaluator:
Signature of Owner or Legal Representative: Pamela M Geddie
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:

Southeastern Soil & Environmental Associates, Inc.

P.O. Box 9321 Fayetteville, NC 28311 Phone/Fax (910) 822-4540 Email mike@southeasternsoil.com

May 8, 2025

Ms. Pamela Geddie Caviness & Cates 639 Executive Place, Suite 400 Fayetteville, NC 28305

Re: Soil/site evaluation for subsurface waste disposal (GS 130A-336.2) AOWE, Ducks Landing, Lot 74, PIN 0527-51-4767.000, 496 Black Duck Lane, Lillington, Harnett County, North Carolina

Dear Ms. Geddie,

A soil/site evaluation has been conducted on the aforementioned property at your request. The purpose of the investigation was to determine if soils were suitable or provisionally suitable for a subsurface waste disposal system (conventional, accepted and innovative) to serve a proposed single-family residence (4-bedroom home). All ratings and determinations were made in accordance with "Onsite Wastewater Rules, 15A NCAC 18E". This LSS evaluation is being submitted to meet the requirements of GS 130A-336.2 (AOWE).

The soil evaluation was completed on March 13, 2025. Hand auger borings were advanced under moist soil conditions. The site essentially lies on a linear slope landscape (5-7% slope). Soil borings conducted in most of this area consisted of 6 or more inches of loamy sand underlain by sandy loam, sandy clay loam, clay loam and/or sandy clay to 48 or more inches below the soil surface. Soil wetness and/or parent material (greater than 50%) was not observed shallower than 48 inches below the soil surface (initial system) and 27 inches (repair system). All other soil characteristics were suitable to at least 48 inches.

Based on soil borings and site conditions, the site would be designated suitable for a shallow accepted subsurface waste disposal drainfield (0.40 gal/day/ft2 LTAR; initial system). There is enough suitable soil area to allow for a shallow accepted subsurface septic system repair (0.30 gal/day/ft2). A map showing the approximate location of the site and proposed septic layout accompanies this report. [Note: No grading, rutting or other soil disturbance can occur in or near the proposed septic area. Any grading can alter the findings of this report and render the site unusable. As such, we recommend the builder protect the proposed septic areas with rope, flagging, fencing, etc.]

Design Summary

- Accepted product (300', see septic layout)
- 480 gal/day flow rate (4BR)
- 24" maximum trench depth (upslope side)
- 0.40 gpd/ft2 LTAR (initial) and 0.30 gpd/ft2 (repair)
- 1000-gallon septic tank (certified watertight)
- · No grading, rutting or filling in septic areas
- No vertical cuts (greater than 2') within 15' of septic lines/areas
- Keep tanks and drainlines 10' from property lines
- Keep supply line 5 or more feet from property lines
- Install in dry soil conditions
- Maintain natural contours when clearing the lots
- Direct gutter water away from septic system
- AOWE must preapprove Licensed installer
- Preconstruction conference required 2 weeks prior to installation of septic
- Contractor to provide 2 week's notice prior to installation

During site construction, it is important not to impact and suitable or provisionally suitable soil areas with activities such as excavation or filling. Only the vegetation should be removed in the areas of the proposed septic drainfields to prevent any disturbance of naturally occurring soil. We recommend all lot clearing activity be delayed until the local health department issues a permit.

To the extent possible, we have identified the soil types that will impact the flow of wastewater on this site and have provided a professional opinion as to the best septic system layout. This report does not guarantee that the proposed septic system will properly function for any specific length of time.

Sincerely,

Mike Eaker

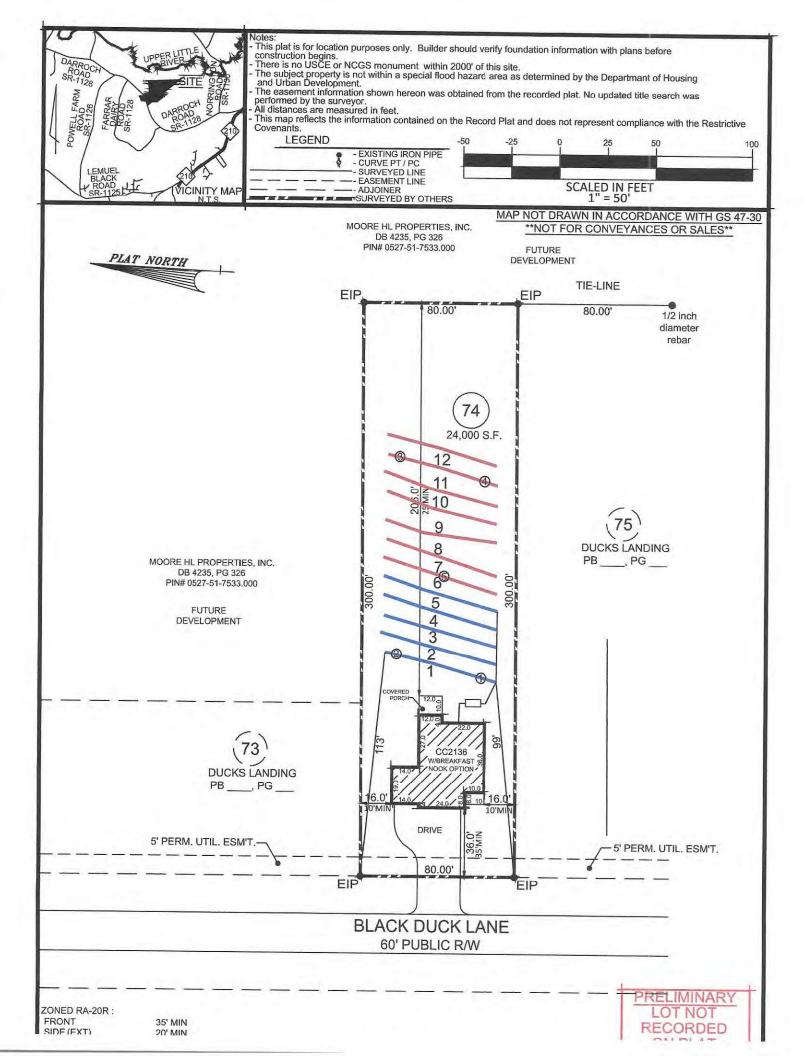
NC Licensed Soil Scientist # 1030

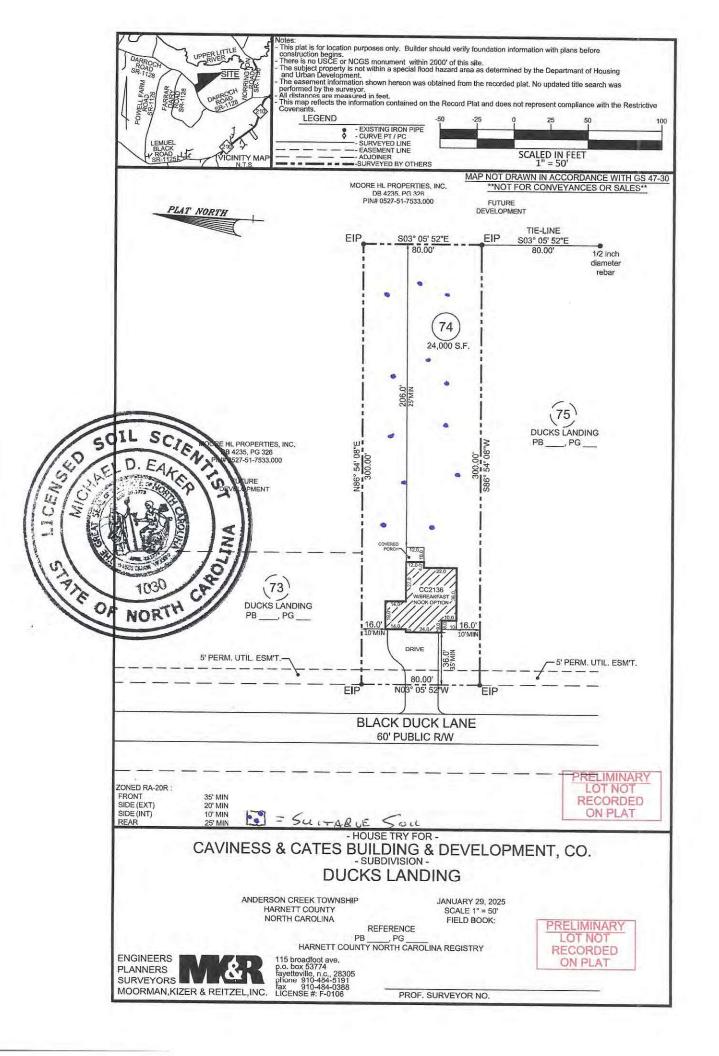
NC Authorized Wastewater Evaluator 10013E

SOUTHEASTERN SOIL & ENVIRONMENTAL ASSOC., INC.

PROPOSED SUBSURFACE WASTE DISPOSAL SYSTEM DETAIL SHEET

		IVISION: Ducks Landing		LOT 74
	INITIA	AL SYSTEM: Accepted 25% Reduction		REPAIR: Accepted 25% Reduction
	DISTR	IBUTION: Gravity Parallel	<u></u>	DISTRIBUTION Gravity Serial
	BENCI	HMARK: 100.0		LOCATION TS back left cor 73/pl 74
	NO. B	EDROOMS: 4	<u>L</u> T	LTAR 1) 0.4 R) 0.3
	SEPTIO	C TANK SIZE 1000 Gallons	_	PUMP TANK SIZE N/A
	LINE	FLAG COLOR	ELEVATION	LENGTH
	_ 1	P	94.70	60
Initial	_ 2	0	94.00	60
Initial	_ 3	Р	93.60	60
	4	0	93.00	60
	_ 5	Р	92.40	60
				300
	6	В	91.40	60
Repair	7	P	90.60	60
· p - · · ·	- 8	В	89.70	60
	9	Р	88.60	60
	10	В	88.10	60
		<u>P</u>	86.50	60
	12	В	85.20	60
				420' Avail
	ву Са	ameron Raynor		DATE 03/17/2025
	TYPICA	L PROFILE		THERE SHALL BE NO GRADING,
	0-13	LS VFR GR		CUTTING, LOGGING OR OTHER SOIL
Initial	13-48	SCL FI SBK NS/NP		DISTURBANCE IN SEPTIC AREA
		CR2>48"		HEALTH DEPARTMENT USE ONLY.
	0-17	LS VIED OD		DESIGNS DO NOT GURANTEE FUNCTIONALITY
	0-17	LS VFR GR		
25.00 M.				
Repair	17-48	SC F SBK		





DEPARTMENT OF HEALTH AND HUMAN SERVICES DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION ON-SITE WATER PROTECTION BRANCH

Sheet 1 of 2
PROPERTY ID #: 0527-51-7533.000
COUNTY: Harnett

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

ADDRESS: 639 Executive PI Ste 400 Fayetteville, NC 28305 PROPOSED FACILITY: SFD PROPOSED DESIGN FLOW (.1949): 480 LOCATION OF SITE: Black Duck Lane (Ducks Landing SD Lot 74) WATER SUPPLY: Private Public Well Spring Other								PROPERTY RECORDED: 3/13/as-			
			ger Boring \Box P	, 0	YPE OF WAST	EWATER:	⊠ Sewa	ge 🗌 Industri	al Process		
P R O F I L E	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS						
		DEPTH (IN.)	.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPR O CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR		
	L 7%	0-4	GR/LS	FR/NEXP	CR2>48" 2.5Y 6/4 10YR 5/8	N/A	N/A	N/A	S		
1	1 70	4-35	GR/LS	FR/NEXP					0.5		
1		35-48	SBK/SCL	FI/SEXP							
	L.	0-5	GR/LS	FR/NEXP	CR2>48"	N/A	N/A	N/A			
	7%	5-36	GR/LS	FR/NEXP	2.5Y 6/4 10YR 6/6 SAME 3-5% 7.5YR 5/8				S 0.4		
2		36-43	SBK/SCL	FI/SEXP					0.4		
		43-48	SBK/SCL	FI/SEXP							
	L	0-6	GR/LS	FR/NEXP	CR@33"	N/A	N/A	N/A			
_	7%	6-33	SBK/SCL	FI/SEXP	10YR 6/6				S 0.3		
3		33-48	SBK/SC	FI/SEXP	10YR 6/8 20% 5YR 5/8 5% 10YR 7/1				0.0		
	7%	0-5	GR/LS	FR/NEXP	CR2@27"	N/A	N/A	N/A			
		5-17	GR/LS	FR/NEXP	10YR 6/6 10YR 5/8	IN/A	IN/A	INA	S		
4		17-27	SBK/SC	FI/SEXP					0.3		
		27-48	SBK/SC	FI/SEXP	SAME 7.5YR 5/8 20% 10YR 7/1 20%						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (.1946): N/A
Available Space (.1945)	YES	YES	SITE CLASSIFICATION (.1948): SUITABLE
System Type(s)	ACCEPTED	ACCEPTED	EVALUATED BY: M. EAKER OTHER(S) PRESENT: B.C. RAYNOR
Site LTAR	0.4	0.3	

SOIL/SITE EVALUATION

Sheet 2 of 2

(Continuation Sheet-Complete all field in full)

DEPARTMENT OF HEALTH AND HUMAN SERVICES DIVISION OF PUBLIC HEALTH ENVIRONMENTAL HEALTH SECTION ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 0527-51-7533.000

DATE OF EVALUATION: 03/13/2025

COUNTY: Harnett

R O F I	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZ ON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE				
L E #			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILI CLASS & LTAR
	L 7%	0-5	GR/LS	FR/NEXP	CR2>48" 2.5Y 6/4 10YR 6/6 10YR 5/8 7.5YR 5/8 MIX	N/A	N/A	N/A	S 0.4
		5-13	GR/LS	FR/NEXP		×			
		13-40	SBK/SCL	FI/SEXP					
		40-48	SBK/SCL	FI/SBK					
	THE CONTRACTOR OF THE CONTRACT								
	I Select								
					1				

Travelers 1st Choice+®

DESIGN PROFESSIONALS LIABILITY COVERAGE DECLARATIONS

POLICY NO. 108040737

Travelers Casualty and Surety Company of America Hartford, Connecticut

(A Stock Insurance Company, herein called the Company)

Important note: This is a claims-made policy. To be covered, a claim must be first made against an insured during the policy period or any applicable extended reporting period.

This policy is composed of the Declarations, the Professional Liability Coverage, the Professional Liability Terms and Conditions, and any endorsements attached thereto.

ITEM 1	NAMED INSURED:					
	SOUTHEASTERN SOIL AND ENVIRONMENTAL ASSOCIATES					
	DBA:					
	Principal Address: PO BOX 9321 FAYETTEVILLE, NC 28311-9084					
ITEM 2	POLICY PERIOD: Inception Date: May 1, 2025 Expiration Date: May 1, 2026					
	Inception Date: May 1, 2025 Expiration Date: May 1, 2026 12:01 A.M. standard time both dates at the Principal Address stated in ITEM 1.					
ITEM 3	ALL NOTICES PURSUANT TO THE POLICY MUST BE SENT TO THE COMPANY BY EMAIL, FACSIMILE, OR MAIL AS SET FORTH BELOW: Email: BSIclaims@travelers.com					
	Fax: 1-888-460-6622					
	Mail: Travelers Bond & Specialty Insurance Claim P.O. Box 2989 Hartford, CT 06104-2989					
	Overnight Mail: Travelers Bond & Specialty Insurance Claim One Tower Square, MN06 Hartford, CT 06183					
	For questions related to claim reporting or handling, please call 1-800-842-8496.					

ITEM 4	COVERAGE INCLUDED AS OF THE INCEPTION DATE IN ITEM 2:						
	Design Professionals Liability Coverage						
ITEM 5							
	PROFESSIONAL LIABILITY COVERAGE LIMITS						
	Professional Services and Network and Information Security Offenses Coverage Limits: \$2,000,000 for each Claim; r \$2,000,000 for all Claims	not to exceed					
	Deductible: \$2,500 each Claim						
	\$7,500 all Claims						
	Retroactive Date: July 27, 2005						
	Knowledge Date: May 1, 2024						
ITEM 6	ADDITIONAL BENEFITS LIMITS:						
	Crisis Event Expenses Limits: \$10,000 for each Crisis Event \$30,000 for all Crisis Events						
	Disciplinary or Regulatory Proceeding Expenses Limits: \$25,000 for each Disciplinary or Regulators \$50,000 for all Disciplinary or Regulators	latory Proceeding ory Proceedings					
TEM 7	PREMIUM FOR THE POLICY PERIOD: \$8,423.00 Policy Premium						
TEM 8	OPTIONAL EXTENDED REPORTING PERIODS:						
	Additional Premium Percentage: Additional Months:						
	125%						
	185% 24 200% 36						