

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: Cates Building
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
Site Location Information:
Site address: 465 Black Duck Lane, Lillington, NC 27546
Tax parcel identification number or subdivision lot, block number of property: Ducks Landing Lot 103
0527-51-1538.000 County: <u>Harnett</u>
Daily Design Flow: 480 gpd 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 8 day 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 8 day of May , 2030
Signature of Authorized Onsite Wastewater Evaluator:
Signature of Owner or Legal Representative: Pamela M Goddie
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 9, 2025

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

Re: Soil/site evaluation for subsurface waste disposal (GS 130A-336.2) AOWE, Ducks Landing, Lot 103, PIN 0527-51-1538.000, 465 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 February 27, 2025. Hand auger borings were advanced under moist soil conditions. The site essentially lies on a linear slope landscape (1-3% slope). Soil borings conducted in most of this area consisted of 11 or more inches of loamy sand underlain by sandy loam and/or sandy clay loam to 48 or more inches below the soil surface. Soil wetness and/or parent material (greater than 50%) was not observed shallower than 43 inches below the soil surface (initial system) and 40 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 (0.40 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 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

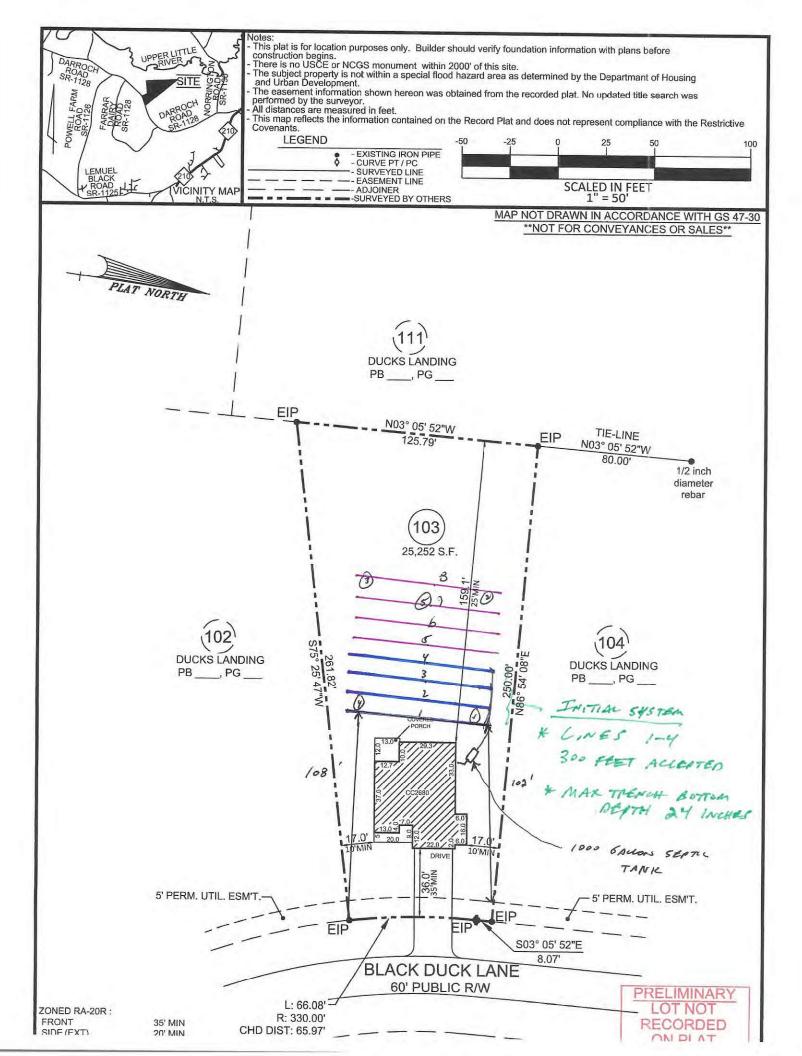
NC Licensed Soil Scientist # 1030

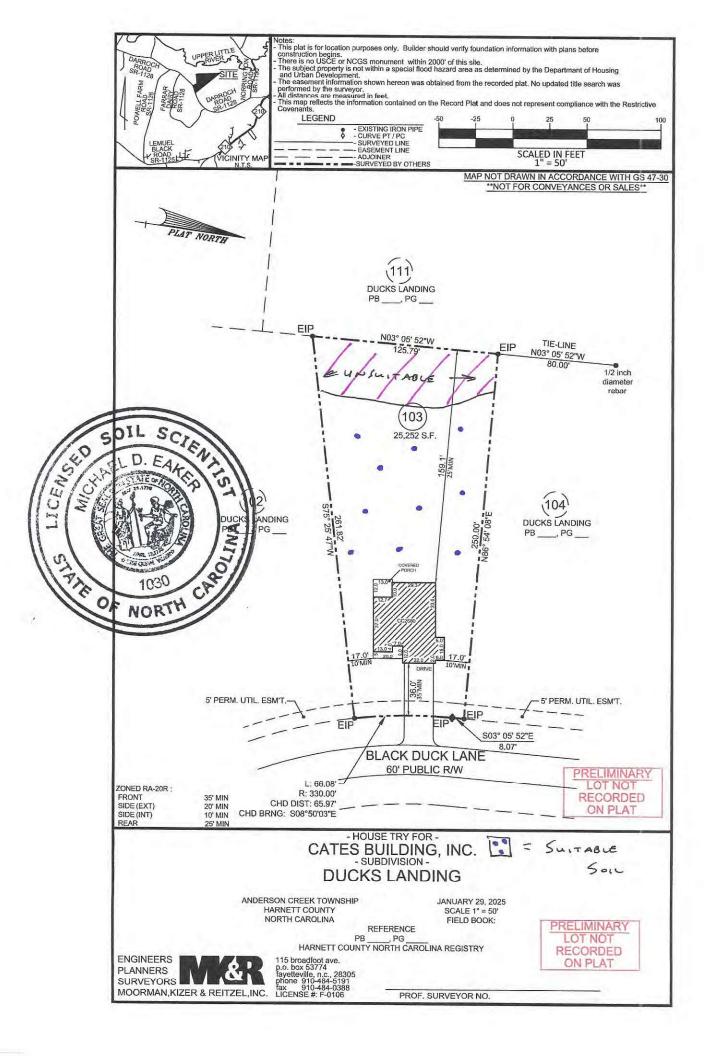
NC Authorized Wastewater Evaluator 10013E

SOUTHEASTERN SOIL & ENVIRONMENTAL ASSOC., INC.

PROPOSED SUBSURFACE WASTE DISPOSAL SYSTEM DETAIL SHEET

	SUBDI	VISION: Du	icks Landing		LOT 103
	INITIA	SYSTEM: A	ccepted 25% Reduction		REPAIR: Accepted 25% Reduction
	DISTRI	BUTION: Gr	avity Serial	<u> </u>	DISTRIBUTION Gravity Serial
	BENCH	MARK:	100.0		LOCATION FC 101/102
	NO. BE	DROOMS:	4		LTAR 0.40 gpd/ft2
	SEPTIC	TANK SIZE	1000 Gallons	_	PUMP TANK SIZE 1000 Gallons
	LINE	FLAC	G COLOR	ELEVATION	LENGTH
	1	W	1	101.80	75
1-11-1	_ 2	R		101.80	75
Initial	3	W		101.70	75
	4	R		101.40	75
					300 TOTAL
Repair	5	W	1	101.00	75
riopan	-6	R		100.70	75
	_7	W		100.20	75
	8	R		99.80	75
					300 TOTAL
	BY Mi	ke Eaker			DATE 2/27/25
	TYPICA	L PROFILE			THERE SHALL BE NO GRADING,
	0-17	LS/SL	VFr/Fr/Gr		CUTTING, LOGGING OR OTHER SOIL
nitial	17-48	SL/SCL	Fi/SBk		DISTURBANCE IN SEPTIC AREA
	CR2	43"			HEALTH DEPARTMENT USE ONLY.
					DESIGNS DO NOT GURANTEE FUNCTIONALITY
	0-19	LS	VFr/Fr/Gr		
Repair	19-48	SL/SCL	Fi/SBk		MINISTE WAS 764
	CR2	40"			Certification Number Number 10013E





Sheet 1 of 2 ID #:

COUNTY: Harnett

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Cates Building

ADDRESS: 639 Executive Place, Suite 400, Fayetteville, NC 28305

PROPOSED FACILITY: SFD PROPOSED DESIGN FLOW (.1949): 480 GPD (4BR)

LOCATION OF SITE: Black Duck Lane, Lillington, NC (Lot 103) Ducks Landing WATER SUPPLY: ☐ Private X Public

APPLICATION DATE DATE EVALUATED:02/27/25

PROPERTY SIZE: 0.579 Ac PROPERTY RECORDED

P R O F I L	.1940 LANDSCAPE	HORIZON	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				
#	POSITION/ SLOPE %	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
	LS 1-3%	0-11	LS/Gr	VFr/Nexp	43" 10YR 7/3 7.5YR 5/8 7.5YR 6/8 10YR 7/1 mot	NA	NA	NA	Suitable 0.40
4		11-31	SCL/mm sbk	Fi/SExp					
1		31-43	SCL/wf sbk	Fi/SExp					
		43-48	SCL/mm sbk	Fi, SExp					
	LS 1-3%	0-13	LS/Gr	VFr/Nexp	45" 10YR 6/6 10YR 6/6 7.5YR 6/8 7.5YR 6/8 10YR 7/1 mot	NA	NA	NA	Suitable 0.40
		13-23	LS/Gr	VFr/Nexp					
2		23-29	SL/wf sbk	Fr/SExp					
		29-45	SL/wf sbk	Fi/SExp					
		45-48	SCL/wf sbk	Fi/SExp					
	LS 1-3%	0-6	LS/Gr	VFr/Nexp	41"	NA	NA	NA	Suitable 0.40
		6-19	LS/Gr	VFr/NExp	10YR 6/6				
3		19-29	SL/wf sbk	Fr/SExp	10YR 6/8				
		29-41	SCL/wfsbk	Fi/SExp	7.5YR 6/8 7.5YR 6/8				
~~		41-48	SCL/wf sbk	Fi/SExp	10YR 7/1 mot				
	LS 1-3%	0-9	LS/Gr	Fr/Nexp	44" 10YR 6/4 7.5YR 6/6	NA	NA	NA	Suitable
		9-17	LS/Gr	Fr/Sexp					0.40
4		17-29	SL/wf sbk	Fr/SExp					1
		29-44	SCL/mm sbk	Fi/SExp	7.5YR 6/8 7.5YR 6/8				
		44-48	SCL/wf sbk	Fi/SExp	10YR 7/1 mot				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (.1946):
Available Space (.1945)	Yes	Yes	SITE CLASSIFICATION (.1948): Suitable
System Type(s)	Accepted	Accepted	EVALUATED BY: M. Eaker OTHER(S) PRESENT: D. Eaker
Site LTAR	0.40	0.40	Janes

SOIL/SITE EVALUATION

(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 #: Ducks Landing Lot 103 DATE OF EVALUATION: 02/27/25

COUNTY: Harnett

P R O F	10.40		SOIL MORPHOLOGY (.1941)		OTHER PROFILE				
I L E	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZ ON DEPTH (IN.)	.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILI CLASS & LTAR
	LS 1-3%	0-10	LS/Gr	VFr/NExp	40" 2.5Y 6/4 10YR 5/8	NA	NA	NA	Suitable 0.40
_		10-29	LS/Gr	VFr/NExp					
5		29-40	SCL/mm sbk	Fi/SExp					
		40-48	SCL/wf sbk	Fi/SExp	10YR 5/8 7.5YR 5/8m 10YR 7/1m				
				1					
			1000						
		1 4540							
					-				
_									
			17.00		-				

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 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 Lia	bility Coverage				
TEM 5						
	PROFESSIONAL LIABI	LITY COVERAGE LIMITS				
	Professional Services a Network and Information Security Offenses					
	Coverage Limits:	\$2,000,000 for each Claim ; not to exceed \$2,000,000 for all Claims				
	Deductible:	\$2,500 each Claim \$7,500 all Claims				
	Retroactive Date: July 2	7, 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				
TEM 7	Expenses Limits: Disciplinary or Regulatory Proceeding Expenses Limits: PREMIUM FOR THE PO	\$30,000 for all Crisis Events \$25,000 for each Disciplinary or Regulatory Proceeding \$50,000 for all Disciplinary or Regulatory Proceedings				
	Expenses Limits: Disciplinary or Regulatory Proceeding Expenses Limits: PREMIUM FOR THE PO	\$25,000 for each Disciplinary or Regulatory Proceeding \$50,000 for all Disciplinary or Regulatory Proceedings LICY PERIOD: Policy Premium				
	Disciplinary or Regulatory Proceeding Expenses Limits: PREMIUM FOR THE POI \$8,423.00 F	\$25,000 for each Disciplinary or Regulatory Proceeding \$50,000 for all Disciplinary or Regulatory Proceedings LICY PERIOD: Policy Premium REPORTING PERIODS:				
ITEM 7	Disciplinary or Regulatory Proceeding Expenses Limits: PREMIUM FOR THE POI \$8,423.00 F OPTIONAL EXTENDED I Additional Premium Perce 125%	\$25,000 for each Disciplinary or Regulatory Proceeding \$50,000 for all Disciplinary or Regulatory Proceedings LICY PERIOD: Policy Premium REPORTING PERIODS: entage: Additional Months:				
	Disciplinary or Regulatory Proceeding Expenses Limits: PREMIUM FOR THE POI \$8,423.00 F OPTIONAL EXTENDED I	\$25,000 for each Disciplinary or Regulatory Proceeding \$50,000 for all Disciplinary or Regulatory Proceedings LICY PERIOD: Policy Premium REPORTING PERIODS: entage: Additional Months:				