



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: JSJ Builders, Inc.

Mailing address: 1135 Robeson St. City: Fayetteville State: NC Zip: 28305

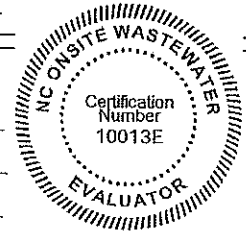
Phone: 910-438-0796 Email: Kevinshortridge@gmail.com

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: 388 Black Duck Lane, Lillington, NC 27546

Tax parcel identification number or subdivision lot, block number of property: 0527-51-6340.000

Ducks Landing, Lot 80 County: Harnett

System Information:

Wastewater System Type: Accepted (25% reduction)

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 18 day of June, 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 18 day of June, 2030.

Signature of Authorized Onsite Wastewater Evaluator: [Signature]

Signature of Owner or Legal Representative: [Signature]

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

June 18, 2025

Mr. Kevin Shortridge
JSJ Builders, Inc.
1135 Robeson St.
Fayetteville, NC 28305

Re: Soil/site evaluation for subsurface waste disposal (GS 130A-336.2) AOWE, Ducks Landing, Lot 80, PIN 0527-51-6340.000, 388 Black Duck Lane, Lillington, Harnett County, North Carolina

Dear Mr. Shortridge,

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 (3-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 June 16, 2025. Hand auger borings were advanced under moist soil conditions. The site essentially lies on a linear slope landscape (4 - 6% slope). Soil borings conducted in most of this area consisted of 12 or more inches of loamy sand underlain by sandy loam, sandy clay loam, clay 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 48 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 (0.30 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)
- 360 gal/day flow rate (3BR)
- 24" maximum trench depth
- 0.30 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 weeks' notice prior to installation**

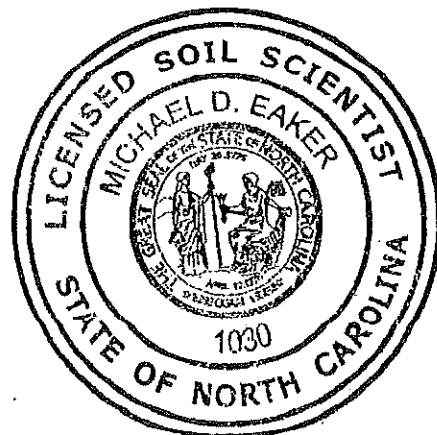
During site construction, it is important not to impact and suitable or provisionally suitable soil areas with activities such as excavation or filling. Only the vegetation should be removed in the areas of the proposed septic drainfields to prevent any disturbance of naturally occurring soil. We recommend 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

SUBDIVISION: Ducks Landing

LOT 80

INITIAL SYSTEM: Accepted 25% Reduction

REPAIR: Accepted 25% Reduction

DISTRIBUTION: Gravity Serial

DISTRIBUTION Gravity Serial

BENCHMARK: 100.0

LOCATION FC 79/80

NO. BEDROOMS: 3

LTAR 0.30 gpd/ft2

SEPTIC TANK SIZE 1000 Gallons

PUMP TANK SIZE N/A

	<u>LINE</u>	<u>FLAG COLOR</u>	<u>ELEVATION</u>	<u>LENGTH</u>
Initial	1	R	96.90	60'
	2	Y	96.40	60'
	3	R	95.70	60'
	4	Y	95.80	60'
	5	R	95.20	60
				TOTAL 300'
Repair	6	Y	94.80	60'
	7	R	94.10	60'
	8	Y	93.50	60'
	9	R	92.80	60'
	10	Y	92.00	60
				TOTAL 300'

BY Mike Eaker

DATE 6/16/25

TYPICAL PROFILE

THERE SHALL BE NO GRADING,

CUTTING, LOGGING OR OTHER SOIL

DISTURBANCE IN SEPTIC AREA

HEALTH DEPARTMENT USE ONLY.

DESIGNS DO NOT GURANTEEE FUNCTIONALITY

Initial

0-12 LS/SL VFr/Fr/Gr

12-48 C/SC FI/SBk

CR2 >48"

Repair

0-12 LS/SL VFr/Fr/Gr

12-48 SC/C FI/SBk

CR2 >48"



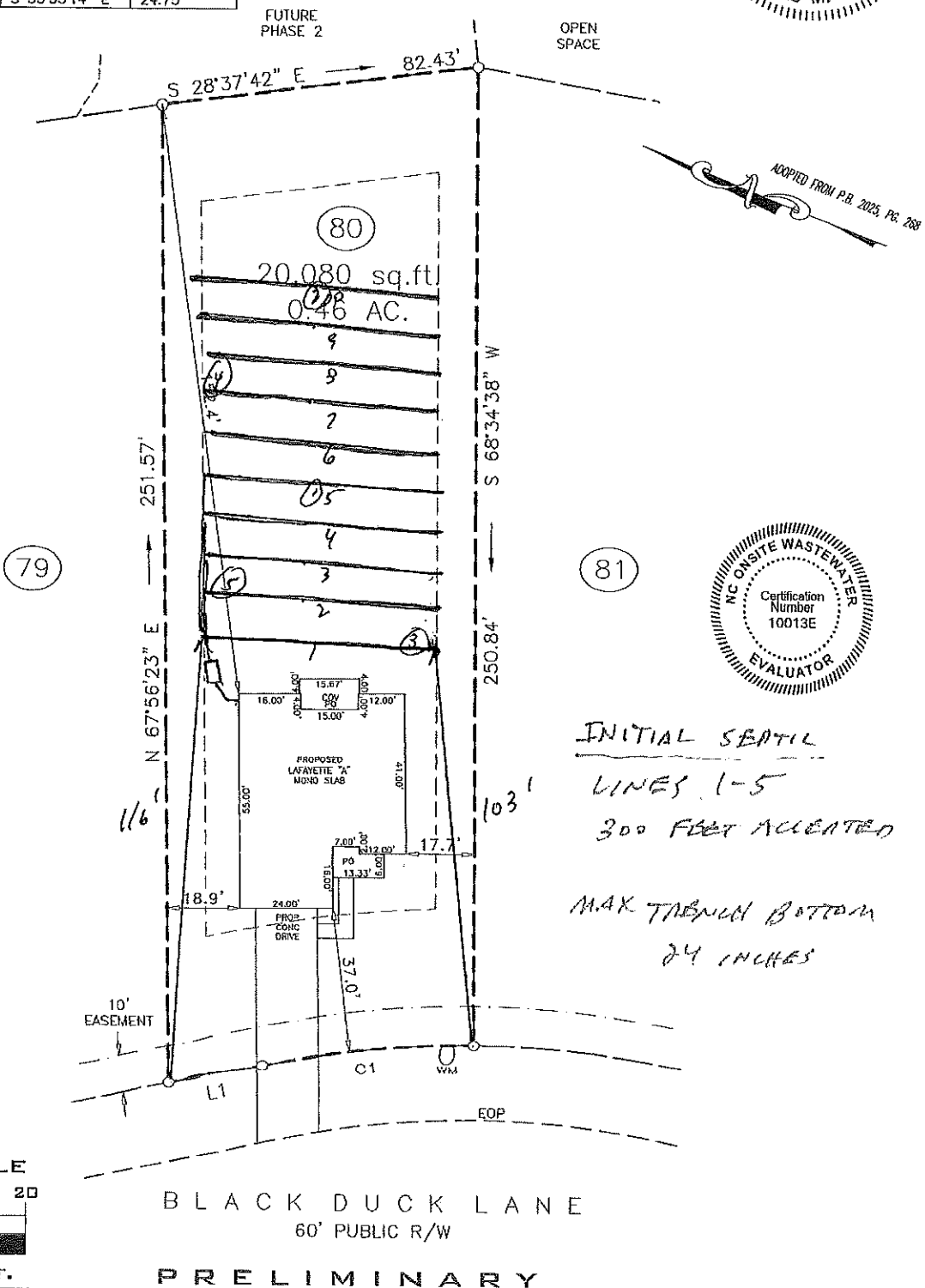
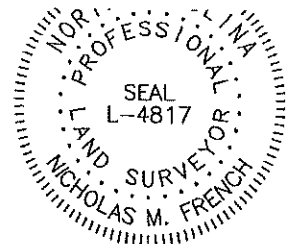
N/P - NEW IRON PIPE SET
 CATV - CABLE TV BOX
 EB - ELECTRIC BOX
 TEL - TELEPHONE PEDESTAL
 PP - POWER POLE
 OHL - OVERHEAD LINE
 LP - LIGHT POLE
 WM - WATER METER
 WV - WATER VALVE
 CO - SEWER CLEAN-OUT
 SW - SIDEWALK
 PO - PORCH
 N/F - NOW OR FORMERLY
 C/RD - COVERED
 CB - CATCH BASIN
 EOP - EDGE OF PAVEMENT
 BOC - BACK OF CURB

HOUSE	2,242 S.F.
DRIVEWAY	592 S.F.
SIDEWALKS	86 S.F.
TOTAL IMPERVIOUS AREA	2,920 S.F.

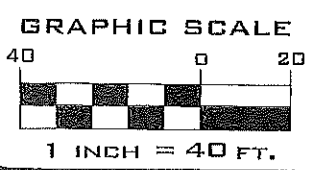
FRONT	35'
SIDE	10'
REAR	25'
SIDE STREET	20'

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	260.00'	55.20'	55.10'	S 27°30'18" E

LINE	BEARING	DISTANCE
L1	S 33°35'14" E	24.75'



INITIAL SEPTIL
 LINES 1-5
 300 FEET ALIGNED
 MAX TABULAR BOTTOM
 24 INCHES

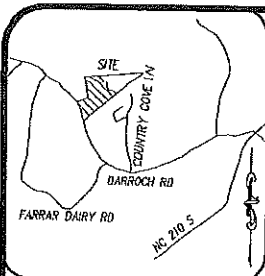


BLACK DUCK LANE
 60' PUBLIC R/W
 PRELIMINARY

PROJECT:	DUCKS LANDING
DRAWN BY:	VIH
SURVEYED BY:	
FIELD WORK:	

PLOT PLAN
 FOR
 JSJ BUILDERS
 BLACK DUCK LANE
 LOT 80, DUCKS LANDING SUBDIVISION

ECLS
 GLOBAL, INC.
 U.S. VETERAN-OWNED
 19 N MCKINLEY ST
 GOATS, NC 27521



VICINITY MAP (NTS)

LEGEND:

EP - EXISTING IRON PIPE
 ED - EXISTING IRON BAR
 BOP - BENT IRON PIPE
 BOB - BENT IRON BAR
 CM - CONCRETE MONUMENT
 NP - NEW IRON PIPE SET
 CATV - CABLE TV BOX
 EB - ELECTRIC BOX
 TEL - TELEPHONE PEDESTAL
 PP - POWER POLE
 CHL - OVERHEAD LINE
 UP - LIGHT POLE
 WM - WATER METER
 WV - WATER VALVE
 CO - SEWER CLEAN-OUT
 SW - SIDEWALK
 PO - PORCH
 N/F - NOW OR FORMERLY
 CWD - COVERED
 CS - CATCH BASIN
 EOP - EDGE OF PAVEMENT
 BCC - BACK OF CURB

NOTES:

1. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES IN U.S. SURVEY FEET UNLESS OTHERWISE NOTED.
2. AREAS SHOWN HEREON WERE COMPUTED USING THE COORDINATE METHOD.
3. LINES NOT SURVEYED ARE SHOWN AS DASHED LINES FROM INFORMATION REFERENCED ON THE FACE OF THIS PLAT.
4. PROPERTY MAY BE SUBJECT TO ANY/ALL EASEMENTS AND RESTRICTIONS OF RECORD. THIS SURVEY IS A CORRECT REPRESENTATION OF THE LAND PLATTED AND OR DEEDED AND HAS BEEN PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. A NORTH CAROLINA LICENSED ATTORNEY-AT-LAW SHOULD BE CONSULTED REGARDING CORRECT OWNERSHIP, WIDTH AND LOCATION OF EASEMENTS, AND OTHER TITLE QUESTIONS REVEALED BY TITLE EXAMINATION.

5. THIS PARCEL IS NOT LOCATED WITHIN A FLOOD HAZARD ZONE AS INDICATED ON CIO NO. 370328 PANEL 0526, SUFFIX J. HARNETT COUNTY WITH AN EFFECTIVE DATE OF 10/03/2025.

IMPERVIOUS SURFACE TABLE

HOUSE	2,242 S.F.
DRIVEWAY	592 S.F.
SIDEWALKS	86 S.F.
TOTAL IMPERVIOUS AREA	2,920 S.F.

CERTIFICATE OF ACCURACY & MAPPING

I, NICHOLAS M. FRENCH, PLS, CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL FIELD SURVEY DONE UNDER MY SUPERVISION, AND THAT THE ERROR OF CLOSURE AS COMPUTED BY CO-ORDINATES IS LESS THAN 1:10,000.

PRELIMINARY

NICHOLAS M. FRENCH, PLS L-4817

DATE

THIS MAP IS ONLY INTENDED FOR THE PARTIES AND PURPOSES SHOWN. THIS MAP IS NOT FOR RECORDATION. NO TITLE REPORT PROVIDED. ANY VISIBLE ENCROACHMENTS ARE SHOWN HEREON.

THIS MAP MAY NOT BE A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS AND HAS NOT BEEN REVIEWED FOR COMPLIANCE WITH RECORDING REQUIREMENTS FOR PLATS.

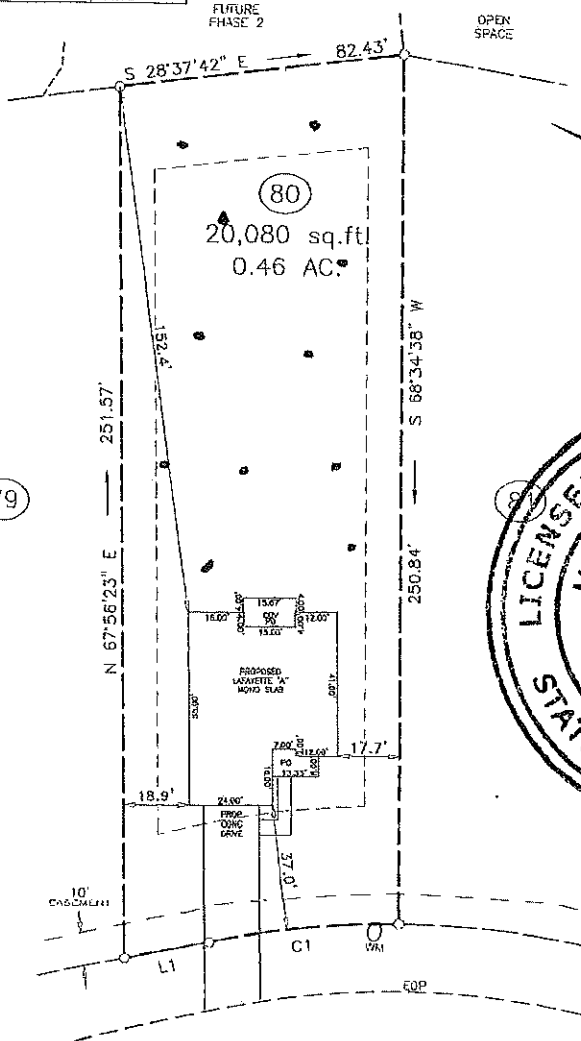
SETBACKS:

P.B. 2025, PG. 268

FRONT	35'
SIDE	10'
REAR	25'
SIDE STREET	20'

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	260.00'	55.20'	55.10'	S 27°30'18" E

LINE	BEARING	DISTANCE
L1	S 33°35'14" E	24.75'



GRAPHIC SCALE



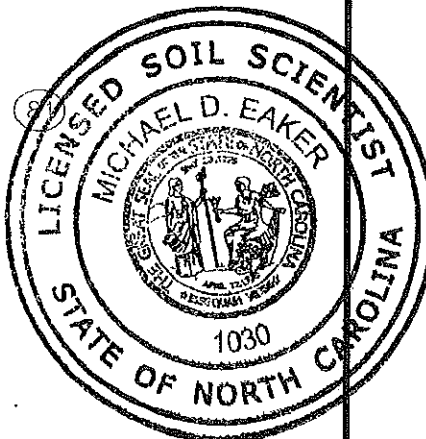
1 INCH = 40 FT.

BLACK DUCK LANE

60' PUBLIC R/W

PRELIMINARY

SUITABLE SOIL



PROJECT:	DUCKS LANDING
DRAWN BY:	VIR
SURVEYED BY:	
FIELD WORK:	
DWG DATE:	05-16-2026

FOR
JSJ BUILDERS
 BLACK DUCK LANE
 LOT 80 DUCKS LANDING SUBDIVISION
 ANDERSON CREEK TWP., HARNETT CO., NC
 P.B. 2025, PG. 268

ECLS
 GLOBAL INC.
 U.S. VETERAN-OWNED
 19 N. MCKINLEY ST.
 DEDDS, NC 27521
 910.897.3257 ECLS@GLOBALEINC.COM
 910.897.2329 (FAX) 0090-4175

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER: JSJ Builders, Inc.

ADDRESS: 1135 Robeson St., Fayetteville, NC 28305

DATE EVALUATED: 6/16/25

PROPOSED FACILITY: SFD

PROPOSED DESIGN FLOW (.0400): 360 GPD

PROPERTY SIZE: 0.46 ac

LOCATION OF SITE: 388 Black Duck Lane, Lillington, NC 27546

PROPERTY RECORDED:

WATER SUPPLY: ☒ Public ☐ Single Family Well ☐ Shared Well ☐ Spring ☐ Other

WATER SUPPLY SETBACK: N/A: No Set

EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut

TYPE OF WASTEWATER: ☒ Domestic ☐ High Strength ☐ IPWW

P R O F I L E #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY		OTHER PROFILE FACTORS				.0509 PROFILE CLASS & LTAR*	.0502(d) SLOPE CORRE CTION
			.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ		
1	LS 4-6%	0-3	LS/GR	VFR/NEXP	>48"	NA	NA	NA	Suitable 0.30	
		3-17	LS/GR	VFR/NEXP	10YR 5/4					
		17-36	C/MM SBK	FI/SEXP	7.5YR 5/8					
		36-48	C/CL/WF SBK	FR/SEXP	7.5YR 5/8 2.5YR 4/8 molt					
2	LS 4-6%	0-3	LS/GR	VFR/NEXP	>48"	NA	NA	NA	Suitable 0.30	
		3-12	LS/GR	VFR/NEXP	10YR 5/4					
		12-48	C/MM SBK	FI/SEXP	7.5YR 5/8					
3	LS 4-6%	0-6	LS/GR	VFR/NEXP	>48"	NA	NA	NA	Suitable 0.30	
		6-27	LS/GR	VFR/NEXP	10YR 7/3					
		27-40	C/MM SBK	FI/SEXP	10YR 5/8					
		40-48	C/CL/WF SBK	FI/SEXP	10YR 5/8 2.5YR 4/8 molt					
4	LS 4-6%	0-6	LS/GR	VFR/NEXP	>48"	NA	NA	NA	Suitable 0.30	
		6-16	LS/GR	VFR/NEXP	10YR 6/4					
		16-48	C/MM SBK	FI/SEXP	7.5YR 5/8					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): <u>Suitable</u> EVALUATED BY: <u>M. Eaker</u> OTHER(S) PRESENT: <u>D. Eaker</u>
Available Space (.0508)	YES	YES	
System Type(s)	Accepted	Accepted	
Site LTAR	0.30 gpd/ft ²	0.30 gpd/ft ²	
Maximum Trench Depth	24"	24"	

Comments:

(Continuation Sheet-Complete all field in full)

Page 2 of 2

DEPARTMENT OF HEALTH AND HUMAN SERVICES

DIVISION OF PUBLIC HEALTH

ENVIRONMENTAL HEALTH SECTION

ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: Ducks Landing Lot 80

DATE OF EVALUATION: 6/16/25

COUNTY: Harnett

[illegible]

COMMENTS:



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.

