


*Except for date received, the Section below is to be completed by the Owner.*

The following items are included in this submittal for an Authorization to Operate under an AOWE permit:

- ### Attestation by the Owner for Authorization to Operate

      11/24/25  
Signature of Owner      Date

***This section for LHD Use Only.***

**LHD Review of required information for the ATO**

☐ INCOMPLETE

Based upon review of information submitted in the Section above, the following items are missing from the information required for an Authorization to Operate for an AOWE permit: \_\_\_\_\_

Copies of this signed form were sent to the AOWE and the Owner on \_\_\_\_\_ via \_\_\_\_\_.

Date                      Email, FAX, USPS, Hand-delivered

Print name of authorized Agent of the LHD

Signature of authorized Agent of the LHD

Date \_\_\_\_\_

☐ COMPLETE

Based upon review of information submitted in the Section above, this Authorization to Operate is hereby Issued in accordance with G.S. 130A-336.2(m).

A copy of this complete NOI/ATO with tracking information was sent to the State on \_\_\_\_\_ via \_\_\_\_\_.

Print name of authorized Agent of the LHD

Signature of authorized Agent of the LHD

Date \_\_\_\_\_

**ISSUANCE OF CERTIFICATE OF OCCUPANCY:** Once the LHD determines completeness based upon the ATO submission, the owner may apply to the local permitting agency for permanent electrical service to a residence, place of business or place of public assembly pursuant to G.S. 130A-339.



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

8/29/2025

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  
SIA Group, Inc.  
827 Gum Branch Road  
Jacksonville NC 28540

CONTACT NAME: Certificate Administrator

PHONE (A/C, No, Ext): 910-455-7578

FAX (A/C, No): 910-455-7481

E-MAIL: certs@siagroup.com

## INSURER(S) AFFORDING COVERAGE

NAIC #

INSURER A: Owners Insurance Company

32700

INSURER B: Auto-Owners Insurance Company

18988

INSURER C: FFVA Mutual Insurance Co.

10385

INSURER D:

INSURER E:

INSURER F:

INSURED  
David Brantley & Sons, Inc.  
37 Pine Ridge Road  
Zebulon NC 27597

DAVIBRA-02

## COVERAGES

CERTIFICATE NUMBER: 1213285082

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 INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			35506165	7/2/2025	7/2/2026	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COM/OP AGG \$ 2,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			5391466100	7/2/2025	7/2/2026	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTIONS \$ 10,000 <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE			5391466101	7/2/2025	7/2/2026	EACH OCCURRENCE \$ 3,000,000 AGGREGATE \$ 3,000,000 \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input type="checkbox"/> N/A		WC850-0050098-2025A	7/2/2025	7/2/2026	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	Contractors Equipment			35506165	7/2/2025	7/2/2026	Leased/Rented \$50,000

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

## CERTIFICATE HOLDER

Southeastern Soil & Environmental Assoc., Inc  
PO Box 9321  
Fayetteville NC 28311

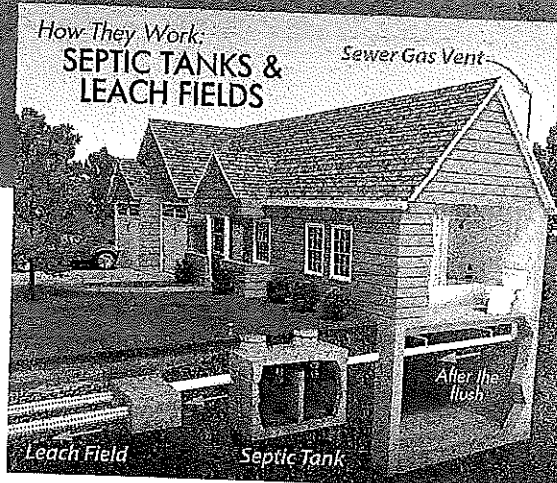
## CANCELLATION

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

# Understanding and Protecting Your Septic System

If you currently discharge wastewater to a septic system, if you are looking to purchase a place of residence, public assembly, or business, or to move to a place that is served by a septic system, this guidance document should be helpful. Contact your local health department for additional assistance and information.



## Know Your Septic System

Not all septic systems are the same. It is important to know about your septic system, such as the components that make up the system and their location on the property, the system functioning and maintenance history, as well as what to do and what not to do. Traditional conventional septic systems have a septic tank and a drainfield with gravel-filled trenches or a gravel bed. Newer septic systems may have polypropylene or polyethylene "chambers" or polystyrene aggregate in place of the gravel.

Some systems use advanced technologies that require a higher level of maintenance than traditional conventional septic systems, and state rules have specific maintenance requirements for these systems. Sometimes owners will be required by state rules to hire a state-certified operator to regularly inspect and maintain the system. In addition, state rules require the local health department to inspect these systems on a periodic basis.

Some properties are legally required to have a "repair area or replacement area" in which a second drainfield could be installed if needed. This repair area should have been identified typically by the health department when the site was permitted and should be shown on your septic system permit ("Improvement Permit"). State rules also require you to protect this area from any soil disturbance activities such as excavation; building a house addition, garage, or other structure; swimming pool construction and installation; and grading.

If you are not sure what type of wastewater system you have, contact the local health department to request a copy of the septic system permit and soil evaluation sheet for your property. These forms should indicate the approved design daily flow, type of system, size of each of the system components (septic tank, any other tanks or pretreatment units, the drainfield, and the repair area), and approximate locations of those components. Also, ask the previous owner or the seller for information about the system (e.g., installations, repairs, maintenance).

## Ask Questions

Ensure you have answers to the following questions:

- What type of septic system do you have?
- How old is the system (i.e., when were the system components installed)?
- Where are all the system components located, including the drainfield and repair area? (Note: They may not be at the same location or even on the same lot.)
- How many gallons a day (e.g., number of bedrooms, occupants, seats in the restaurant) is the septic system designed to treat and dispose of?
- What is the volumetric (liquid) capacity of each tank in the septic system?
- Which drainfield option or product was used for your system?
- Is the septic system working properly?
- Does the system require a certified operator?
- What are the legal requirements for long-term maintenance?
- Has the septic system been maintained in the past?

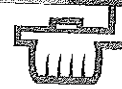
*"Keep this information  
for future reference  
to help you  
properly maintain  
your septic system"*

*"Let your  
Health  
Department  
know the  
problem"*

## Signs of Possible Septic System Failure

- Sewage backing up into your toilets, tubs, or sinks.
- Sewage backing up in the septic and/or pump tank
- Slowly draining plumbing fixtures, particularly during and after it has rained.
- The smell of raw sewage accompanied by soggy soil or sewage discharged over the ground or in nearby ditches or woods.
- Sewage comes to the ground surface when the pump turns on and then disappears after the pump turns off.
- An alarm flashing (red light) and/or blaring horn coming from the pump control panel.

# Understanding and Protecting Your Septic System



## DOs and DON'Ts

### DO

- Do learn the location of the septic tank, drainfield and repair area. Keep a sketch of the system location and layout with your maintenance record for service visits.
- Do keep your septic tank cover accessible for inspections and pumping.
- Do keep suitable vegetation growing over the drainfield and repair area to stabilize the soil and prevent erosion.
- Do have a maintenance plan for your system.
- Do have your septic system inspected in accordance with state regulations.
- Do make sure you have an effluent filter installed on your septic tank to prevent solids from reaching the drainfield and to increase the life of your system.
- Do have solids pumped out of the septic tank by a State-permitted pumper every 3 to 5 years (typical primary residence) or as required per the permit. Do make sure both compartments of the septic tank are pumped out. If the septic system includes a pump tank have it pumped out too.
- Do periodically check to ensure the septic system, pumps and electrical components, continue working properly between scheduled maintenance visits.
- Do call the local health department or an onsite wastewater contractor certified by the North Carolina Onsite Wastewater Contractor Inspector Certification Board (NCOWCICB) whenever you experience problems with your system, or if there are any signs of system failure.
- Do keep a detailed record of installations, repairs, and tank pump outs.
- Do hire a state-certified subsurface system operator when required by the septic system permit.

### DON'T

- Don't ignore problems with your septic system hoping they will just go away.
- Don't enter the septic tank.
- Don't wait until the tank overflows, the drainfield fails, or the system backs up to have the tank pumped.
- Don't expand the size of the place of residence, business, or public assembly without obtaining prior written approval to adjust the size of the septic system accordingly.
- Don't make or allow repairs to your septic system without obtaining required permits from the local health department.
- Don't direct downspouts, water softeners, sump pumps, water features, swimming pool, hot tubs, HVAC condensate drains or similar discharges into the septic system or toward the drainfield.
- Don't install sprinkler systems or wells in the septic system and repair areas.
- Don't perform construction of any type over the septic system and repair areas (e.g., decks, patios, sheds).
- Don't cover the septic tank, d-box, or drainfield with structures (e.g., planters, firepits, grills) or hardened surfaces (e.g., asphalt, concrete, stone, brick).
- Don't drive or park vehicles over the septic system.
- Don't put cigarette butts, paper towels, disposable wipes, sanitary napkins/tampons, condoms, cotton swabs, kitty litter, coffee grounds, disposable diapers, plastics or other non-biodegradables into the septic system.
- Don't pour grease or cooking oil down the drain or foul up the septic system with harmful chemicals (e.g., solvents, paint, medications, disinfectants, pesticides) and other hazardous substances.
- Don't install garbage grinders at sinks.

#### State-Certified Septic System Installers and Inspectors

Contact the North Carolina Onsite Wastewater Contractor Inspector Certification Board (NCOWCICB)  
Phone: (336) 202-3126 • Website: <https://ncowcicb.info>

#### State-Certified Subsurface System Operators

Contact the North Carolina Water Pollution Control System Certification Commission (WPCSOCC)  
Phone: (919) 707-9089 • Website: <https://deg.nc.gov/about/divisions/water-resources/operator-certification>



NC Department of Health and Human Services • Division of Public Health • On-Site Water Protection •  
<https://ehs.ncpublichealth.com/oswp> • NCDHHS is an equal opportunity employer and provider. • 9/2020



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: 69 Hookbill Lane, Lillington, NC 27546

Tax parcel identification number or subdivision lot, block number of property: 0527-40-6844.000

Ducks Landing, Lot 9 County: Harnett

System Information:

Wastewater System Type: Pump to 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 17 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 17 day of June, 2030.

Signature of Authorized Onsite Wastewater Evaluator:

Signature of Owner or Legal Representative:

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](mailto:mike@southeasternsoil.com)

June 17, 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 9, PIN 0527-40-6844.000, 69 Hookbill 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 12, 2025. Hand auger borings were advanced under moist soil conditions. The site essentially lies on a linear slope landscape (0 - 1% slope). Soil borings conducted in most of this area consisted of 20 or more inches of loamy sand underlain by sandy loam, sandy 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 28 inches below the soil surface (initial system) and 28 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 pump to a shallow accepted subsurface waste disposal drainfield (0.30 gal/day/ft<sup>2</sup> LTAR; initial system). There is enough suitable soil area to allow for a pump to an accepted subsurface septic system repair (0.30 gal/day/ft<sup>2</sup>). 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

- Pump to Accepted product (300', see septic layout)
- 360 gal/day flow rate (3BR)
- 16" maximum trench depth
- 0.30 gpd/ft<sup>2</sup> LTAR (initial and repair)
- 1000-gallon septic and pump tank (certified watertight)
- Pump to produce 21.33 gal/min @ 11.98 feet TDH
- Pump dose 146 gallons (7.3-inch drawdown)
- 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**

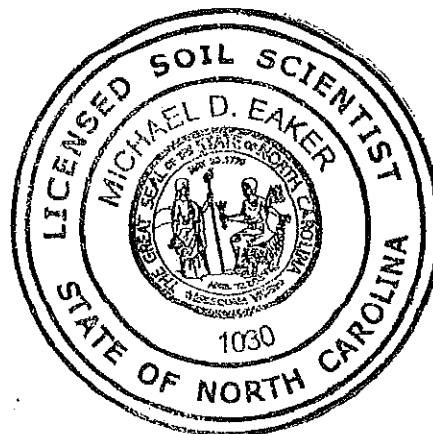
During site construction, it is important not to impact and suitable or provisionally suitable soil areas with activities such as excavation or filling. Only the vegetation should be removed in the areas of the proposed septic drainfields to prevent any disturbance of naturally occurring soil. We recommend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

**SUBDIVISION:** Ducks Landing

**LOT** 9

**INITIAL SYSTEM:** Accepted 25% Reduction

**REPAIR:** Accepted 25% Reduction

**DISTRIBUTION:** Pressure Manifold

**DISTRIBUTION** Pressure Manifold

**BENCHMARK:** 100.0

**LOCATION** RC 8/9

**NO. BEDROOMS:** 3

**LTAR** 0.30 gpd/ft2

**SEPTIC TANK SIZE** 1000 Gallons

**PUMP TANK SIZE** 1000 Gallons

	<u>LINE</u>	<u>FLAG COLOR</u>	<u>ELEVATION</u>	<u>LENGTH</u>
Initial	1A	Y	99.70	35
	1	O	99.70	71
	2	Y	99.60	103
	3	O	99.40	111
				320 TOTAL
Repair	1B	Y	99.50	40
	1AB	O	99.30	40
	4	Y	99.10	130
	5	O		130
				340 TOTAL

**BY** Mike Eaker

**DATE** Revised 9/23/25

**TYPICAL PROFILE**

**THERE SHALL BE NO GRADING,  
CUTTING, LOGGING OR OTHER SOIL  
DISTURBANCE IN SEPTIC AREA**

Initial  
0-23 LS/SL VFr/Fr/Gr  
23-48 SL/SCL FI/SBk  
CR2 28"

HEALTH DEPARTMENT USE ONLY.

DESIGNS DO NOT GURANTEE FUNCTIONALITY

Repair  
0-20 LS/SL VFr/Fr/Gr  
20-48 SL/SCL FI/SBk  
CR2 28"

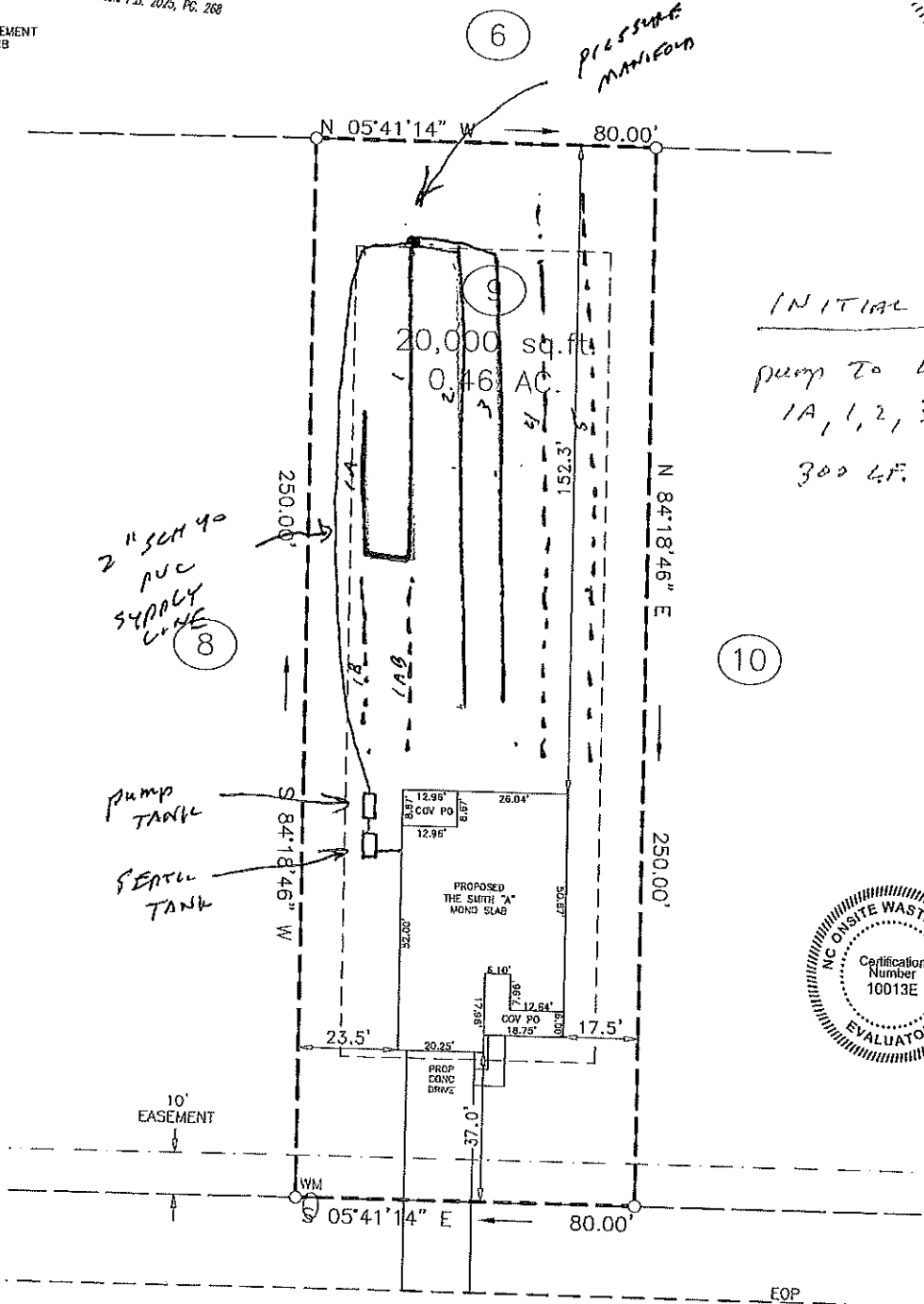




PU - PUNCH  
 N/F - NOW OR FORMERLY  
 CVRD - COVERED  
 CB - CATCH BASIN  
 EDP - EDGE OF PAVEMENT  
 BOC - BACK OF CURB

ADOPTED FROM P.B. 2025, PG. 268

CHOLAS M. FRENC  
 (Seal)



INITIAL SEATTLE

pump TO LINES  
 1A, 1, 2, 3

300 LF. ACCEPTED

NC ON-SITE WASTEWATER  
 Certification  
 Number  
 10013E  
 EVALUATOR

REVISION: HOUSE UPDATED PER REQUEST 07-14-2025

GRAPHIC SCALE

1" = 40'

# RESIDENTIAL PRESSURE MANIFOLD DESIGN

Permit # Ducks Landing Lot 9

# of BDR: 3 Daily Flow: 360 gal/day L.T.A.R.: 0.3000 gal/day/sq.ft

Septic Tank: 1000 gals Pump Tank: 1000 gals Sq. Foot: 960 System Type: Accepted

Number of Taps: 3      Length of Trenches: 320 ft(See Tap Chart for Details)

Depth of Trenches:                      in                      Manifold Length:    36    in

Manifold Diameter: 4in sch 80pvc Tap Configuration: 6 in spacing 1 side(s) of manifold

[illegible]

Friction Loss + Fitting Loss: 2.28 ft(supply line length + 70' for fittings in pump tank)

Design Head: 2 ft      Elevation Head: 7.70 ft

Total Head:      11.98    ft                          Pump to Deliver:   21.33   gals/min at         11.98    ft head

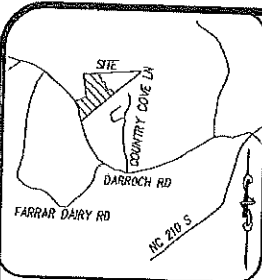
Dosing Volume: 146 gals,

Drawdown: 146 gals divided by 20 gals/in = 7.3 inches

Simplex Control Panel required; elapsed time meter and cycle counter required; Floats to be determined by type of pump tank used. A septic tank filter is required.

## TAP CHART

[illegible]



VICINITY MAP (NTS)

LEGEND:

- EP - EXISTING IRON PIPE
- EB - EXISTING IRON BAR
- BD - BENT IRON PIPE
- BB - BENT IRON BAR
- CM - CONCRETE MONUMENT
- NP - NEW IRON PIPE SET
- CTV - CABLE TV BOX
- EB - ELECTRIC BOX
- TBL - 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
- COVD - COVERED
- CB - CATCH BASIN
- ED - EDGE OF PAVEMENT
- BOC - BACK OF CURB

ACCEPTED FROM P.B. 2025, PG. 268

- 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	2,291 S.F.
DRIVEWAY	592 S.F.
SIDEWALKS	61 S.F.
TOTAL IMPERVIOUS AREA	2,944 S.F.

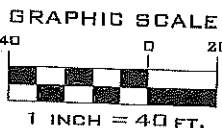
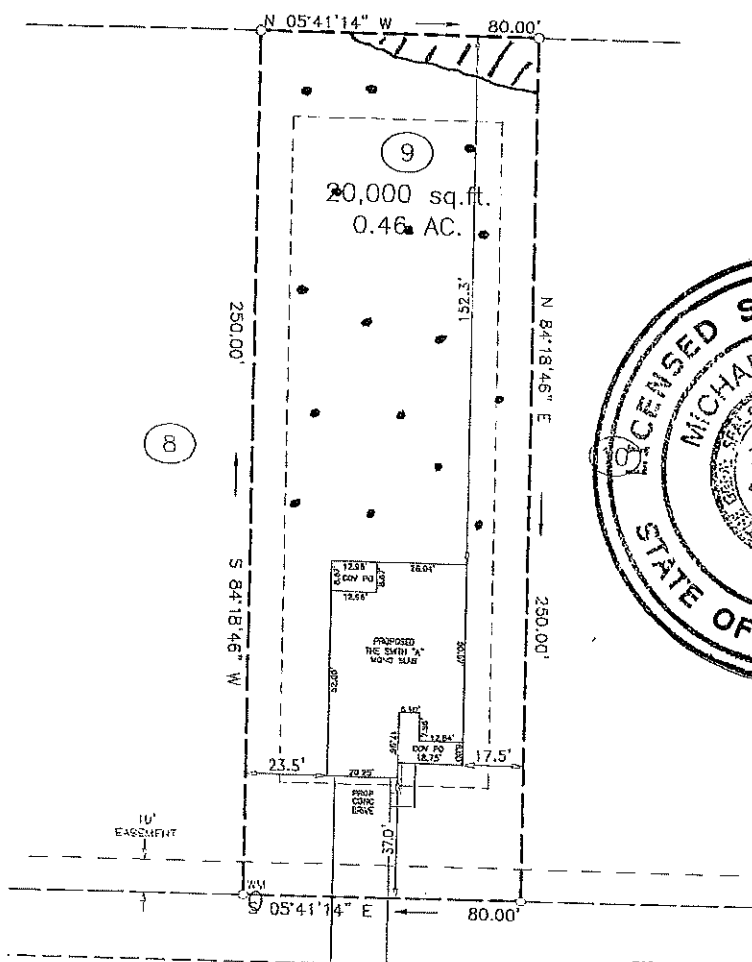
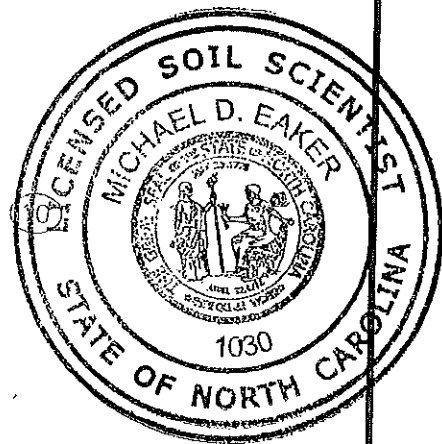
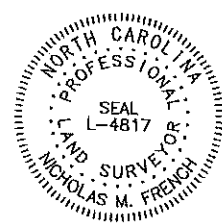
CERTIFICATE OF ACCURACY & MAPPING  
 I, NICHOLAS M. FRENCH, PLS L-4817, CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL FIELD SURVEY DONE UNDER MY SUPERVISION, AND THAT THE ERROR OF CLOSURE AS COMPUTED BY CO-ORDINATES IS LESS THAN 1:10,000.

**PRELIMINARY**

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'



HOOKBILL LANE

60' PUBLIC R/W

22' = SUITABLE SOIL      11' = UNSUITABLE SOIL

PRELIMINARY

PROJECT:	DUCKS LANDING
DRAWN BY:	VIII
SURVEYED BY:	
FIELD WORK:	
DWG DATE:	05-18-2026

**PLOT PLAN**  
 FOR  
**JSJ BUILDERS**  
 HOOKBILL LANE  
 LOT 9 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  
 COATS, NC 27521  
 910.897.3257 (TEL) 910.897.2329 (FAX) CO#0-4176

REVISION: HOUSE UPDATED PER REQUEST 07-14-2025

**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: 6/12/25

PROPOSED FACILITY: SFD

PROPOSED DESIGN FLOW (.0400): 360 GPD

PROPERTY SIZE: 0.46 ac

LOCATION OF SITE: 69 Hookbill 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 0-1%	0-2	LS/GR	VFR/NEXP	31"	31"	NA	NA	Suitable 0.30	
		2-26	LS/GR	VFR/NEXP	10YR 6/4					
		26-31	SCL/SC/WF SBK	FI/SEXP	10YR 5/8					
		31-48	SCL/MASS	FI/SEXP	10YR 5/8 5YR 5/4 10YR 7/1 mott					
2	LS 0-1%	0-4	LS/GR	VFR/NEXP	29"	36"	NA	NA	Suitable 0.30	
		4-29	LS/GR	VFR/NEXP	10YR 6/4					
		29-36	SCL/SC/WF SBK	FI/SEXP	10YR 5/8 10YR 7/1 mott					
		36-48	SCL/SC/MASS	FI/SEXP	10YR 5/8 5YR 5/4 10YR 7/1 mott					
3	LS 0-1%	0-5	LS/GR	VFR/NEXP	28"	31"	NA	NA	Suitable 0.30	
		5-28	LS/GR	VFR/NEXP	10YR 6/4					
		28-31	SCL/SC/MM SBK	FI/SEXP	10YR 6/8 10YR 7/1 mott					
		31-48	SCL/SC/MASS	FI/SEXP	10YR 6/8 5YR 5/8 10YR 7/1 mott					
4	LS 0-1%	0-6	LS/GR	VFR/NEXP	28"	31"	NA	NA	Suitable 0.30	
		6-28	LS/GR	VFR/NEXP	10YR 7/3					
		28-31	SCL/SC/MM SBK	FI/SEXP	10YR 5/8 10YR 7/1 mott					
		31-48	SCL/SC/MASS	FI/SEXP	10YR 5/8 7.5YR 5/8 10YR 7/1 mott					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): Suitable EVALUATED BY: M. Eaker OTHER(S) PRESENT: D. Eaker
Available Space (.0508)	YES	YES	
System Type(s)	Pump to Accepted	Pump to Accepted	
Site LTAR	0.30 gpd/ft2	0.30 gpd/ft2	
Maximum Trench Depth	16"	16"	

Comments:

Add 2" cover after installation

(Continuation Sheet-Complete all field in full)

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

PROPERTY ID #: Ducks Landing Lot 9  
DATE OF EVALUATION: 6/12/25  
COUNTY: Hamett

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 CORRECTION
			.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ		
5	LS 0-1%	0-6	LS/GR	VFR/NEXP	38"	38"	NA	NA	Suitable 0.30	
		6-20	LS/GR	VFR/NEXP	10YR 6/4					
		20-25	SCL/SC/MM SBK	FI/SEXP	10YR 5/8					
		25-38	SCL/SC/WF SBK	FI/SEXP	10YR 5/8 7.5YR 5/8 mix 10YR 8/1 few					
		38-48	SCL/MASS	FI/SEXP	mix above with 10YR 7/1 molt					
6	LS 0-1%	0-6	LS/GR	VFR/NEXP	31"	36"	NA	NA	Suitable 0.30	
		6-23	LS/GR	VFR/NEXP	10YR 6/4					
		23-31	SC/MM SBK	FI/SEXP	10YR 5/8					
		31-36	SIC/MASS	FI/SEXP	10YR 5/8 10YR 7/1 molt					
		36-48	SCL/SC/MASS	FI/SEXP	10YR 5/8 7.5YR 5/8 10YR 7/1 mix					

COMMENTS: