

DANIEL J. BLILEY

SOIL AND LAND USE CONSULTANT

614 SOUTH SECOND STREET

SMITHFIELD, NORTH CAROLINA 27577

(919) 934-8610

December 10, 2024

Mr. Fred Privette
ON-SITE RESOURCES, INC.
P.O. Box 1250
Knightdale, North Carolina 27545

RE: Soils and site evaluations for single family (3 bedroom) residential waste water approval. This LSS Evaluation is being submitted as required for AOWE Option Permits as defined by G.S. 130A-336.2. A LSS Evaluation was performed on the lot 6 in Tantallon Subdivision located on Livingston Lane in Nash County. .

Mr. Privette:

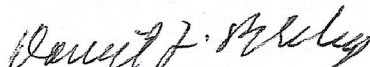
The attached copies of site plans, soil descriptions and drain field specifications for the design of septic systems for the above referenced lots were conducted in accordance with 15A NCAC 18A .1900 (Laws & Rules for Sewage Treatment and Disposal).

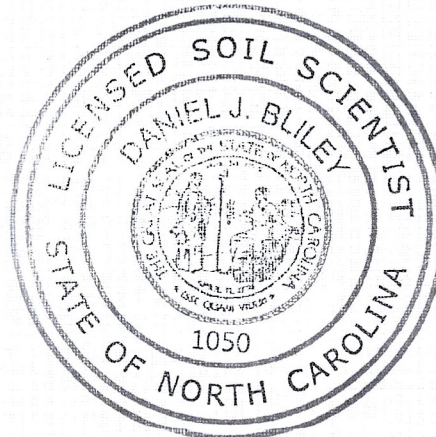
During construction it is important that the proposed septic drain field areas (including identified repair area) not be subject to any disturbances of the soils that would result in compaction and destruction of soil structure. Construction traffic should be restricted to the proposed driveway and front yard areas of the lot. Any additional clearing of site vegetation should be conducted during relatively dry periods to avoid compaction.

The proposed design for drain fields using gravel-less trenches with Easy Flow or Infiltrator chambers as allowed under the regulations. The LTAR (0.33) values have been adjusted as prescribed under this rule.

Please call me if you have any questions.

Sincerely


Daniel J. Bliley
Licensed Soil Scientist



SOIL MAPPING • SITE INVESTIGATION • LAND RESOURCE DATA EVALUATION

Licensed Soil Scientist



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: ON-SITE RESOURCES, INC.

Mailing address: P.O. Box 1250 City: Knightdale State: NC Zip: 27545

Phone: 919-427-5536

Email: fred@onsiteresources.net

Authorized Onsite Wastewater Evaluator Information:

Name: Daniel J. Bliley Certification #: 10041E

Mailing address: 614 S. Second St. City: Smithfield State: NC Zip: 27577

Phone: 919-612-3539

Email: dbliley1@nc.rr.com

Site Location Information:

Site address: 55 Livingston Lane

Tax parcel identification number or subdivision lot, block number of property: Lot 6 Tantallon Subdivision

County: Franklin

System Information:

Wastewater System Type: 1lb

Daily Design Flow: 360 gal.

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 10th day of Dec., 2024 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 _____ day of _____, _____.

Signature of Authorized Onsite Wastewater Evaluator: Daniel J. Bliley

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:

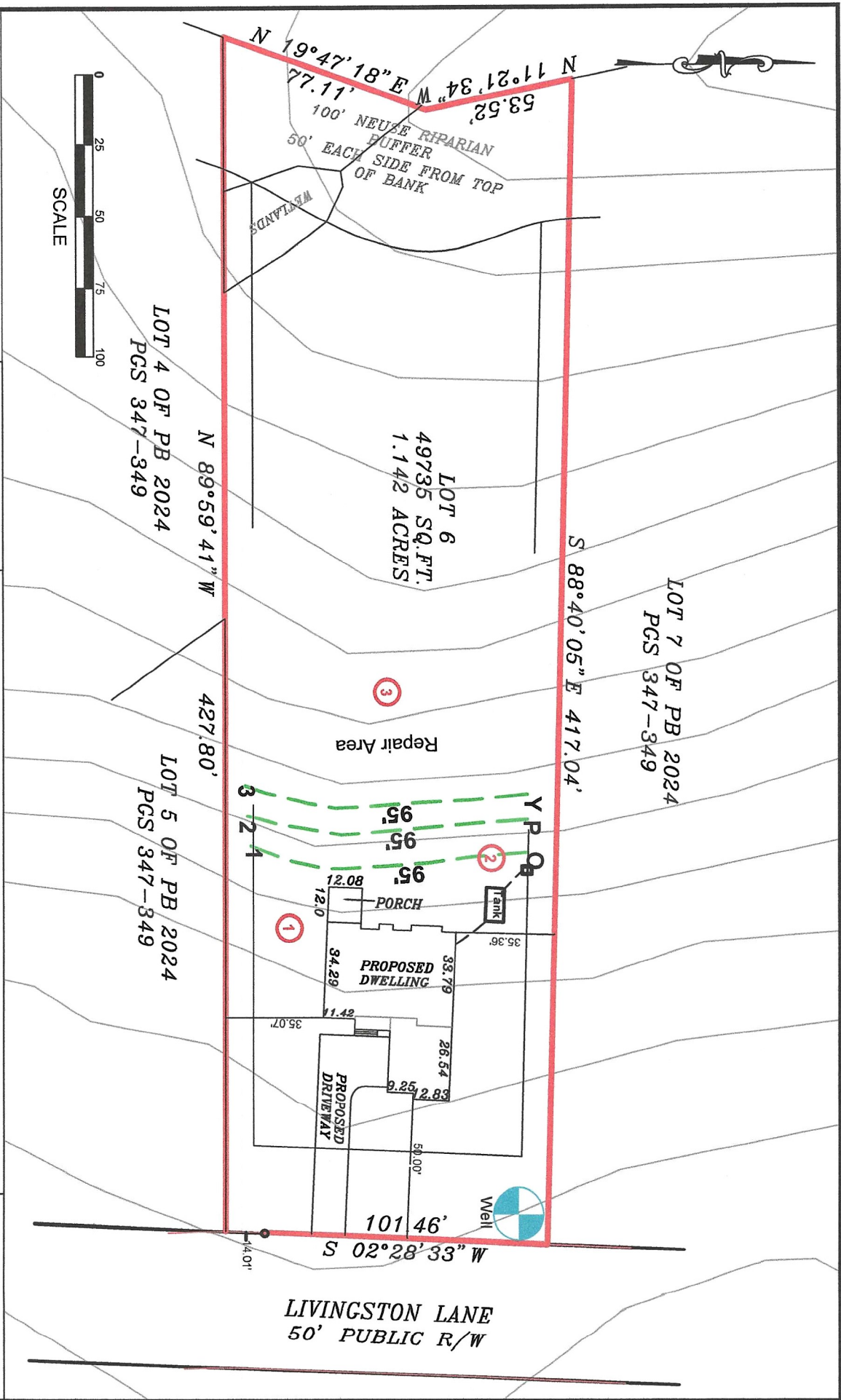
Signature of Local Health Department Representative: _____ Date: _____

SEPTIC SYSTEM DESIGN

LOT 6 – TANTALLON SUBDIVISION

FRED PRIVETTE-ON-SITE RESOURCES

- Dwelling** - Three bedroom double-wide duplex mobile home.
- Initial System** - 2785 linear ft. of conventional (accepted) drain field trenches. Trenches. Use trenches 1, 2 & 3 with a pump system and pressure manifold for effluent distribution. Site LTAR = 0.33 gal./sq. ft. of trench bottom. Use proprietary measures (Easy Flow or Chambers) for the 25 percent reduction in trench requirements. See attached site plan
- Repair System** - 285 linear ft. of conventional (accepted) drain field trenches. Install trenches in areas designated "Repair Area" on the attached site plan. Site LTAR = 0.35 gal./sq. ft. of trench bottom. Use proprietary measures (Easy Flow or Chambers) for the 25 percent reduction in trench requirements.
- Waste Water Flow** - 360 gallons/day
- Septic Tank** – Volume = 1000 gallons
Setback – 10 ft. from dwelling
15 ft. from property lines
- Drain Field** - Trench Depth – 24 inches
Setbacks – 10 ft. from lot line
120 ft. from house
- Water Supply** – Individual Well



Legend

Flagged Drain
Field trenches

Soil Borings

Project:

Lot 6

Client:

Fred Privette

CAD File:

Tantallon

Scale:

1" = 50'

Date:
December 10, 2024

Daniel J. Biley

Soils and Land Use Consultant

614 South Second Street - Smithfield NC 27577

Phone/Fax: (919) 934-8610 - Email: dbiley1@nc.rr.com

DANIEL J. BILEY – SOIL CONSULTANT

LOT NUMBER 6 Tanta 11077

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