

DANIEL J. BLILEY

SOIL AND LAND USE CONSULTANT

614 SOUTH SECOND STREET

SMITHFIELD, NORTH CAROLINA 27577

(919) 934-8610

September 14, 2025

Mrs. Leslie Privette
THREE SIX BUILDERS
P.O. Box 113
Zebulon, North Carolina 27597

RE: Soils and site evaluations for single family (4 bedrooms total) 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 21 located at 40 Stream View Way in Tantallon Subdivision in southern Franklin County.

Mrs. Privette:

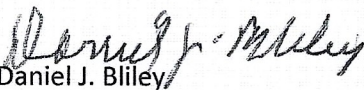
The attached copies of site plans, soil descriptions and drain field specifications for the design of septic systems for the above referenced lots were conducted in accordance with 15A NCAC 18A .1900 (Laws & Rules for Sewage Treatment and Disposal).

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 (0.30) values have been adjusted as prescribed under this rule.

Please call me if you have any questions.

Sincerely


Daniel J. Bliley
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: Three Six Builders, Inc.

Mailing address: P.O. Box 113 City: Zebulon State: NC Zip: 27597

Phone: 919-801-5640 Email: leslie@threesixbuilders.com

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: 40 Stream View Way, Zebulon, NC

Tax parcel identification number or subdivision lot, block number of property: Lot 21 Tantallon

County: Franklin

System Information:

Wastewater System Type: lilb

Daily Design Flow: 480 gal.

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 14 th day of Sept., 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 _____ 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:

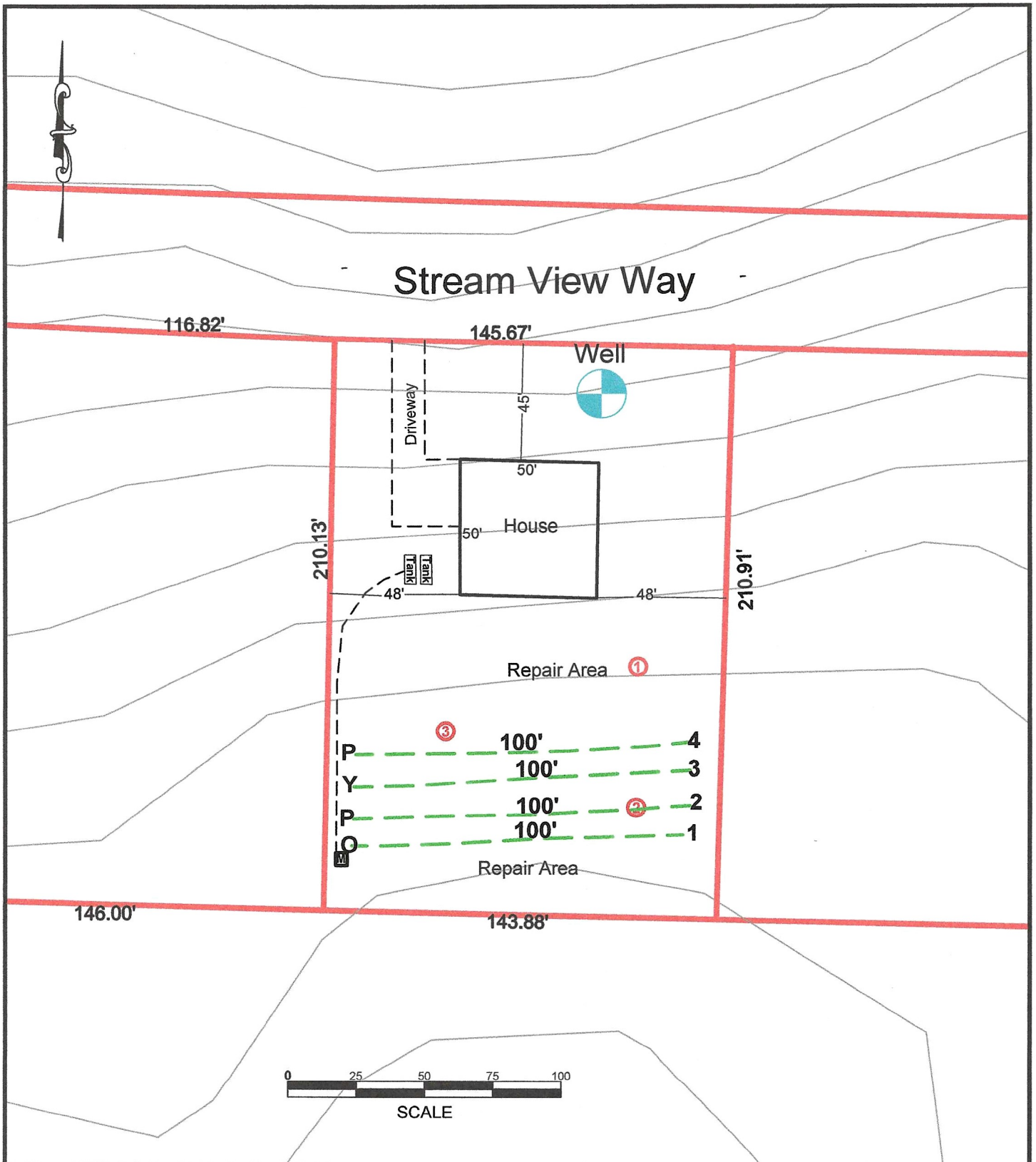
Signature of Local Health Department Representative: _____ Date: _____

SEPTIC SYSTEM DESIGN

LOT 21 TANTALLION SUBDIVISION

40 STREAM VIEW WAY

- Dwelling** - Four bedroom constructed home.
- Initial System** - 400 linear ft. of conventional (accepted) drain field trenches. Trenches. Use trenches 1, 2, 3 & 4 with a pump system and pressure manifold for effluent distribution. Site LTAR = 0.30gal./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** - 400 linear ft. of conventional (accepted) drain field trenches. Use trench 3 and an additional trench installed in areas designated "Repair Area" on the attached site plan. Site LTAR = 0.30 gal./sq. ft. of trench bottom. Use proprietary measures (Easy Flow or Chambers) for the 25 percent reduction in trench requirements.
- Waste Water Flow** - 480 gallons/day
- Septic Tank** – Volume = 1000 gallons
Setback – 10 ft. from dwelling
20 ft. from property lines
- Pump Tank** – Volume = 1,000 gallons
Draw Down – 8.35 inches
Gallons/Minute – 21.92
Total Dynamic Head – 15.16
- Drain Field** - Trench Depth – 24 inches
Setbacks – 10 ft. from lot line
70 ft. from house
- Water Supply** – Individual well



Project: Lot 221Tantallon

Client: Three Six Builders

CAD File: Tantallon

Scale: 1' = 50'

Date: September 14, 2025

Daniel J. Bliley

Soils and Land Use Consultant

614 South Second Street - Smithfield NC 27577
Phone/Fax: (919) 934-8610 - Email: dbliley1@nc.rr.com

Legend

Flagged Drain
Field trenches

Soil Borings

DANIEL J. BILEY – SOIL CONSULTANT

LOT NUMBER 21 Tan-@16n

[illegible]

PRELIMINARY PLOT PLAN FOR
THREE SIX BUILDERS

LOT 21, TANTALLON SUBDIVISION

140 TEAM VIEW WAY

REF: P.B. 2024, PAGE 347

DUNN TOWNSHIP

FRANKLIN COUNTY, NORTH CAROLINA

APRIL 1, 2025

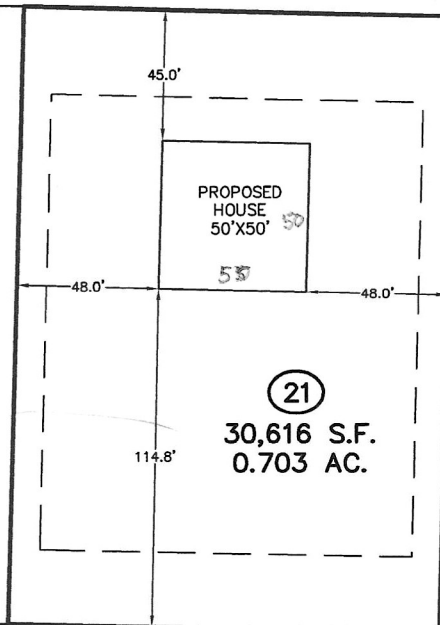
ZONED R-30

50 25 0 50 100

SCALE 1"=50'

STREAM VIEW WAY 50' PUBLIC R/W

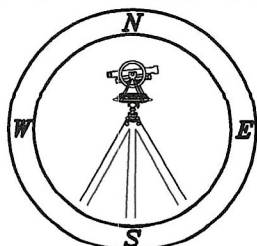
(22)
TANTALLON
SUBDIVISION
B.M. 2024, PG. 347



(20)
TANTALLON
SUBDIVISION
B.M. 2024, PG. 347

N/F
DOUGLAS RAY BRYANT
& LINDA M. BRYANT
D.B. 784 PG. 408
PRF 1 SLIDE 144
PIN 2729-99-6800
ZONED R-30

THIS SURVEYOR DOES NOT
WARRANTY THE ACCURACY
OF ARCHITECTURAL DIMENSIONS.
THEY ARE TO BE VERIFIED BY
THE CONTRACTOR.



CMP

Professional Land Surveyors
C-1525

333 S. White Street
Post Office Box 1253
Wake Forest, N.C. 27588
(919)556-3148

NOTES:
-THIS PLAN DOES NOT REFLECT AN
ACTUAL SURVEY. IT IS A PRELIMINARY
PLAN AND SHOULD BE USED FOR ITS
INTENDED PURPOSE ONLY.
-NOT FOR RECORDATION, CONVEYANCES,
OR SALES.

Bench Mark	is = 100.00	set at				Design Head:	2		
Pump tank elev.		100.00	Pump elev.	95.00		Manifold elev.	101.00		
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	O		100.00	100	SCH80 1/2	5.48	120.00	300	0.4000
2	P		100.00	100	SCH80 1/2	5.48	120.00	300	0.4000
3	Y		100.00	100	SCH80 1/2	5.48	120.00	300	0.4000
4	P		100.00	100	SCH80 1/2	5.48	120.00	300	0.4000
5			100.00		NA		0.00	0	#DIV/0!
6			100.00		NA		0.00	0	#DIV/0!
7			100.00		NA		0.00	0	#DIV/0!
8			100.00		NA		0.00	0	#DIV/0!
		total	feet =	400	gal/min =	21.92		<u>LTAR =</u>	0.30
% of Pipe Vol.	65			<u>Des. Flow</u>	480			(ltar + 5%)	0.32
Dose Volume	169.00			Pump Run=	21.90			(ltar W/ INOV)	0.40
Dose Pump Time	7.71			Tank Gal/IN	20.25			(ltar + 5%)	0.42
Drawdown in Inches	8.35			Elev. Head	6.00				
Supply Line Length	115								
Comments:									