North Carolina Onsite Wastewater Contractor Inspector Certification Board
Authorized Onsite Wastewater Evaluator Permit Option for Non-Engineered Systems
Notice of Intent (NOI) to Construct

__X__ New ____ Expansion ____Repair ____ Relocation ____Relocation of Repair Area

Owner or Legal Representative Information:

Name: Jeff and Christene Vaughan

Mailing address: 18 Jordan Drive City: Pittsboro State: NC Zip: 27312

Phone: (919)349-5218 Email: jvaughan@agriwaste.com

Authorized Onsite Wastewater Evaluator Information:

Name: Jeff Vaughan Certification #: 10003E

Mailing address: 18 Jordan Drive City: Pittsboro State: NC Zip: 27312

Phone: (919)349-5218 Email: jvaughan@agriwaste.com

Site Location Information:

Site address: 4110 Wilson Town Road, Oxford NC 27565

Tax parcel identification number or subdivision lot, block number of property: _____

193800531154 County: Granville

System Information:

Wastewater System Type: IIIb

Daily Design Flow: 600GPD

Saprolite System: _____Yes __X__No Subsurface Operator Required: _____ Yes __X__No

Water Supply Type: __X__Private Well ____Public Water Supply ____ Spring _____Other: _____

Facility Type:

__X__Residential __5__# Bedrooms __10__ Maximum # of Occupants

____Business Type of Business and Basis for Flow: _____

____Public Assembly Type of Public Assembly and Basis for Flow: _____

NC ONSITE WASTEWATER Certification Number 10003E EVALUATOR

Required Attachments:

__X__ Plat or Site Plan

__X__ Evaluation of Soil and Site Features by Licensed Soil Scientist

Attest: On this the 21st day of August, 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 21st day of August, 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: _____

Engineers and Soil Scientists

Agri-Waste Technology, Inc.
501 N Salem Street, Suite 203, Apex, NC 27502
agriwaste.com | 919.859.0669

Soil Suitability for Domestic Sewage Treatment and Disposal Systems
4110 Wilson Town Road, Oxford, NC 27565
(Granville County)
August 21, 2025

Soil suitability for domestic sewage treatment and disposal systems was evaluated on multiple dates from April through June, 2025, for the property located at 4106 Wilson Town Road in Oxford, NC (Granville County). Jeff Vaughan of Agri-Waste Technology, Inc. (AWT) conducted the soil evaluation. This evaluation was done to facilitate permitting for a septic system for a 5-bedroom home. This report and attached documents were prepared *to this application is to be used to issue an Improvement Permit in accordance with G.S. 130A-335(a2) and (a3). The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2).*

A drawing of the site plan, septic layout, septic system design, and soil pit locations is included in Attachment 1. Profile descriptions for each soil boring are included in Attachment 2.

Site Conditions
The total property area is approximately 4.198 acres. The house and septic area are wooded. The proposed septic system for the property is a pressure manifold system for the initial and repair. The home is proposed near the back of the lot and the septic system is proposed to the front of the lot. There is an existing 3 bedroom septic system at the front of the lot that is not being used at this time (Attachment 2).

Soil Suitability for Domestic Sewage Treatment and Disposal Systems
The drawing in Attachment 1 details the property boundaries, soil boring locations, and layout of drain field trenches. Multiple soil borings were advanced within the proposed septic system area on the property. The site has been evaluated and meets the soil and site evaluations criteria set forth in 15A NCAC Subchapter 18E – Wastewater Treatment and Dispersal Systems.. All soil borings were provisionally suitable for a conventional style trench. Soil borings are within the proposed drainfield area.

The layout shown in Attachment 1 indicates there is available space for a five-bedroom pressure manifold system. The initial and repair systems can be installed with the use of a pressure manifold drainfield based on the layout in the field.

The proposed LTAR (Long Term Acceptance Rate) by AWT is 0.3GPD/ft^2. The soils on this property are group IV soils within the distribution and treatment zone as used to define the LTAR. With an LTAR of 0.3GPD/ft^2, 500 linear feet of trench is necessary to support a 5-bedroom home for each the initial and repair systems with the use of a conventional trench product. The maximum slope corrected trench depth is 34 inches. The attached drawings substantiate that the necessary linear footage of trench can be installed on the property for the initial and repair systems.

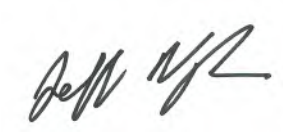
Any logging, disturbances, or grading done in the usable area or within the proposed setbacks will change the potential of using the area designated for a drainfield. Prior to moving forward with the development on the property, Jeff Vaughan of AWT should be contacted to complete the necessary Construction Oversight and to issue an ATO (Authorization to Operate) for the property once the septic system has been installed.

Conclusions

An IP (Improvement Permit) and CA (Construction Authorization) for this property can be issued with the site plan that is in Attachment 1. A CA permit will be required to secure a building permit for the property. The Authorization to Operate after the system has been installed to meet the specifications of the Authorization to Construct. Additional septic layouts have been performed as needed. It will be critical to not disturb any of the proposed septic area or there is a risk that the IP and CA will be revoked. The LSS/AOWE Evaluation and attached documents were prepared *to this application is to be used to issue an Improvement Permit in accordance with G.S. 130A-335(a2) and (a3). The LSS/AOWE evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2) and (a5).*

We appreciate the opportunity to assist you in this matter. Please contact us with any questions, concerns, or comments.

Sincerely,



Jeff Vaughan, NC LSS

Attachment 1: Site Plan/Drawing

Permitting Specifications

Project: Wilson Town Rd Lot 3 Date: 8/10/2025

Address: TBD Wilson Town Rd, Oxford, NC

County: Granville PIN# 19380053114 Water Source: Well

# of Bedrooms: 5 Design Daily Flow: 600 Waste Strength: Domestic

Initial System

LTAR: 0.3 Trench Width: 3 Trench Depth: 24"

Min. ft of Drainfield: 667 Adjusted ft of Drainfield: 500

Septic Tank Size: 1000 Gallons Pump Tank Size: 1000 Gallons

Distribution Method: Pressure Manifold Specified Product: Quick4 Plus Standard

Pretreatment Required? No Amount of Soil Cover Required NA

Notes

1) Install system when site is dry, and rake trench sidewalls if any smearing occurs
2) Maintain all applicable setbacks to septic system components
3) Property Lines/corners shall be clearly marked prior to system installation
4) Owner is responsible for maintaining flagging identifying approved soil area and component location
5) Unapproved grading, filling, or compaction of approved soil may result in permit revocation
6) Keep construction materials and equipment off of approved soils area during all phases of construction

Applicant: Jeff Vaughan
Location: Wilson Town Rd
Oxford, NC

Line #	Use	Layout Line Length (ft)	Utilized System 1 (ft)	Utilized System 2 (ft)	Flag Color
Line 1	Quick4 Plus Standard	78	78		Yellow
Line 2	Quick4 Plus Standard	81	78		Purple
Line 3	Quick4 Plus Standard	175	174		Red
Line 4	Quick4 Plus Standard	178	174		Orange
Line 5	Quick4 Plus Standard	199		168	Yellow
Line 6	Quick4 Plus Standard	171		168	Red
Line 7	Quick4 Plus Standard	227		168	Purple
Total		**1109**	**504**	**504**	

PRESSURE MANIFOLD SEPTIC SYSTEM DESIGN (Initial)

Site Information

Applicants:	Jeff Vaughan
Site Address:	Wilson Town Rd
	Oxford, NC

Design Information

# Bedrooms or Design Unit Info.:	5	bedrooms
Flow/Unit:	120	gal/bedroom
Daily Flow:	600	gal/day
Additional Flow:	0	
Total Design Flow:	600	
L.T.A.R. :	0.3	gal/day/ft^2
L.T.A.R. + 5%:	0.315	gal/day/ft^2
Trench Width:	3	ft.
Line Length Required:	666.7	ft.
Line Length w/ 25% Reduction:	500	ft. (for Quick4 Plus Standard)
L.T.A.R. Reduced:	0.4	gal/day/ft^2
L.T.A.R. Reduced + 5%:	0.420	gal/day/ft^2

DRAINFIELD INFO. - **Initial (Primary)**

Proposed Type of System/Distribution: ***Pressure Manifold w/ Approved Chamber***

Line No. (EL in ft)	Flag Color	Line Length (ft.)	Tap Size (in, type)	Flow/Tap (gpm)	Flow/Foot (gpm/ft)	Line L.T.A.R.
1	Yellow	168	1/2in SCH 40	7.11	0.042	0.397
2	Red	168	1/2in SCH 40	7.11	0.042	0.397
3	Purple	168	1/2in SCH 40	7.11	0.042	0.397
TOTAL		**504**		**21.33**		0.397

Note: Flow/tap estimate assumes 2.0 ft. of head.

Total Run Time =	28.13	min.	
% of Dose Volume =	70.50%		
Dose Volume =	232.0	gal/dose	
Run Time/Dose =	**10.9**	**min**	
Volume/depth =	21.07	gal/in	(Dependent upon tank manufacturer, to be field verified)
Estimated Drawdown =	11.0	in.	
Number of Taps =	3		

PRESSURE MANIFOLD SEPTIC SYSTEM DESIGN (Repair)

Site Information

Applicants:	Jeff Vaughan
Site Address:	Wilson Town Rd
	Oxford, NC

Design Information

# Bedrooms or Design Unit Info.:	5	bedrooms
Flow/Unit:	120	gal/bedroom
Daily Flow:	600	gal/day
Additional Flow:	0	
Total Design Flow:	600	
L.T.A.R. :	0.3	gal/day/ft^2
L.T.A.R. + 5%:	0.315	gal/day/ft^2
Trench Width:	3	ft.
Line Length Required:	666.7	ft.
Line Length w/ 25% Reduction:	500	ft. (for Quick4 Plus Standard)
L.T.A.R. Reduced:	0.4	gal/day/ft^2
L.T.A.R. Reduced + 5%:	0.420	gal/day/ft^2

DRAINFIELD INFO. - **Initial (Primary)**

Proposed Type of System/Distribution: ***Pressure Manifold w/ Approved Chamber***

Line No. (EL in ft)	Flag Color	Line Length (ft.)	Tap Size (in, type)	Flow/Tap (gpm)	Flow/Foot (gpm/ft)	Line L.T.A.R.
1	Yellow	78	1/2in SCH 80	5.48	0.070	0.391
2	Purple	78	1/2in SCH 80	5.48	0.070	0.391
3	Red	174	3/4in SCH 40	12.5	0.072	0.400
4	Orange	174	3/4in SCH 40	12.5	0.072	0.400
TOTAL		**504**		**35.96**		0.395

Note: Flow/tap estimate assumes 2.0 ft. of head.

Total Run Time =	16.69	min.	
% of Dose Volume =	70.50%		
Dose Volume =	232.0	gal/dose	
Run Time/Dose =	**6.5**	**min**	
Volume/depth =	21.07	gal/in	(Dependent upon tank manufacturer, to be field verified)
Estimated Drawdown =	11.0	in.	
Number of Taps =	4		

PUMP DESIGN

System: **Drainfield Dosing Pumps**

Applicants: Jeff Vaughan
Site Address: Wilson Town Rd
Oxford, NC

Friction Losses

Suction Head =		0	ft.	*(submersible = 0)*
Elev. Difference (highest point from pump) =		15.00	ft.	
Design Pressure At Outlet =		2	ft.	
Supply Line - *2" Schedule 40 PVC from Pump to Manifold*				
Pipe Diameter (ID) =	2.047 in.	Flow =	35.96	gpm
Pipe Length =	125 ft.	Velocity =	3.51	ft/sec
Pipe Length for Fittings =	70 ft.			
Est. Friction Loss per 100' =		2.29	ft/100 ft.	
Estimated Friction Loss =		4.47	ft.	
Friction Loss - Taps/Special Fittings =		3.5	ft.	
SUB-TOTAL =		24.97	ft.	
Friction Loss - Fittings (5%) =		1.25	ft.	
TOTAL =		**26.22**	**ft.**	

Flow for Anti-Siphon Hole

Hole Diameter =	5/32	in.
Hole Flowrate =	1.47	gpm

Pump Efficiency =	0.7	*(assumed, typical)*
Motor Efficiency =	0.9	*(assumed for electric pumps)*
Flow =	**37.43**	**gpm**
Required Horsepower =	0.39	hp
TDH =	**26.22**	**ft.**

Project:

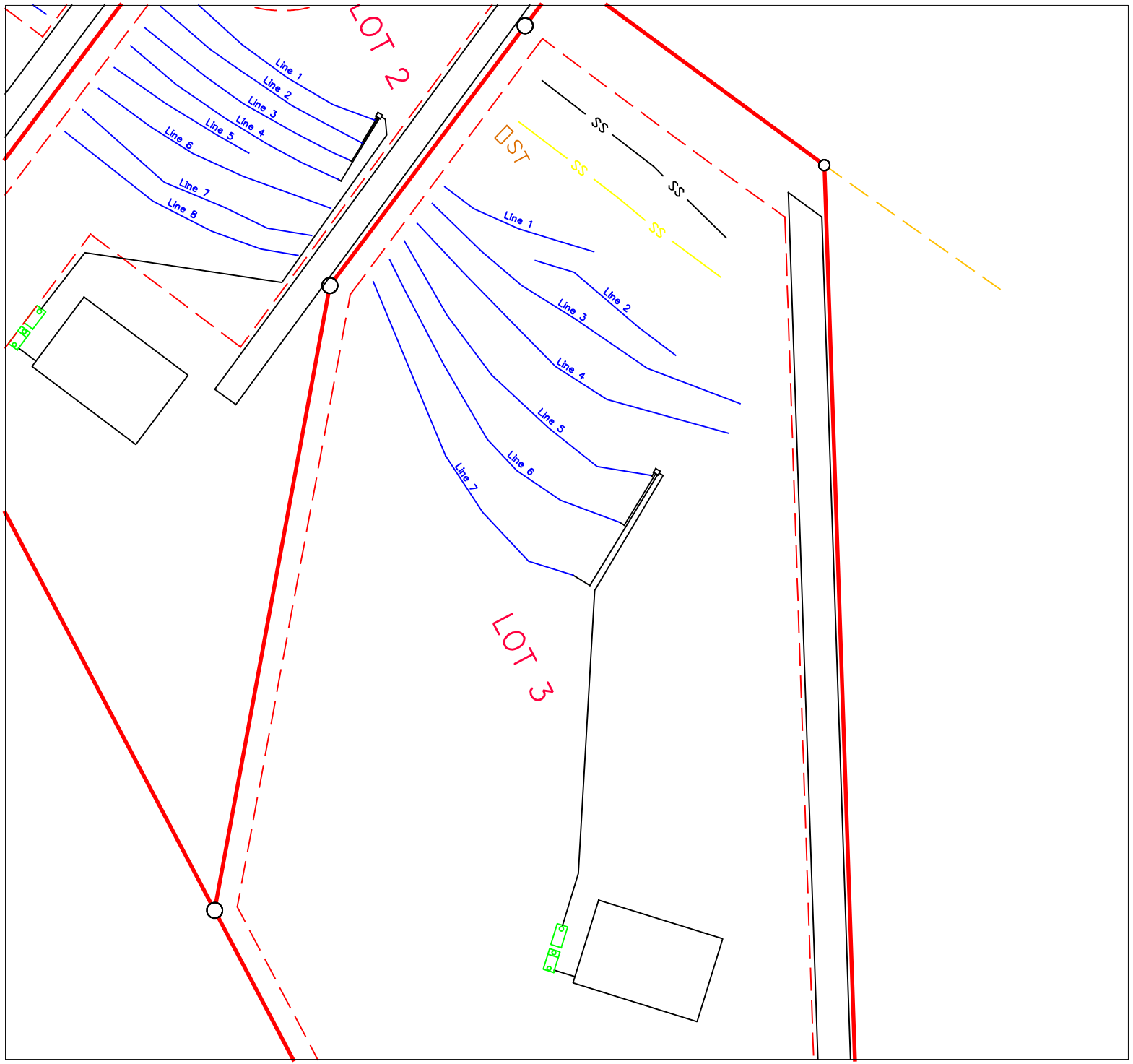
Wilson Town Rd
Oxford, NC

Lot 3

Overall Site

Date:
August 10, 2025

1" = 100'



Project:

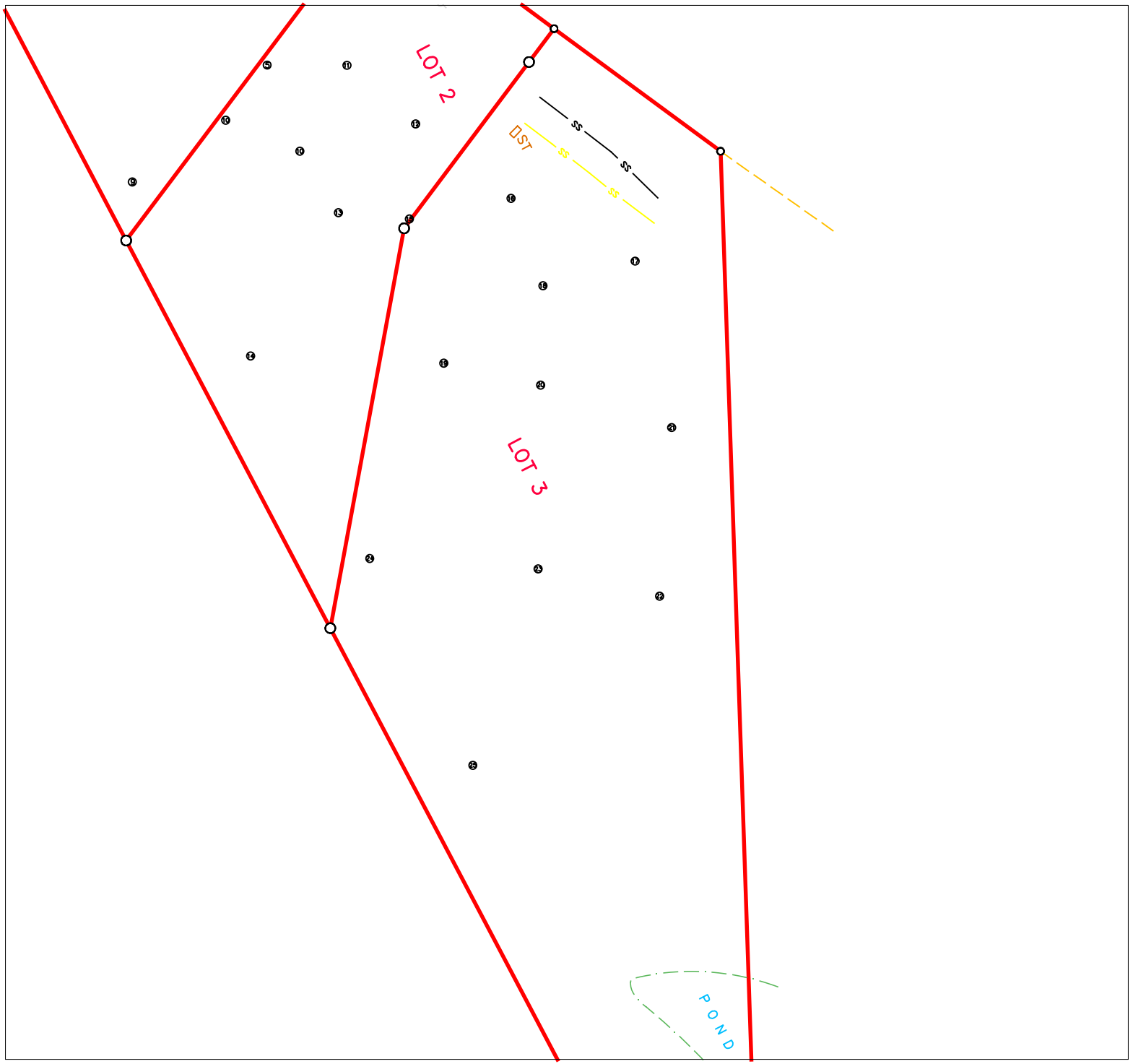
Wilson Town Rd
Oxford, NC

Lot 3

Site Closeup

Date:
August 10, 2025

1" = 40'



Project:

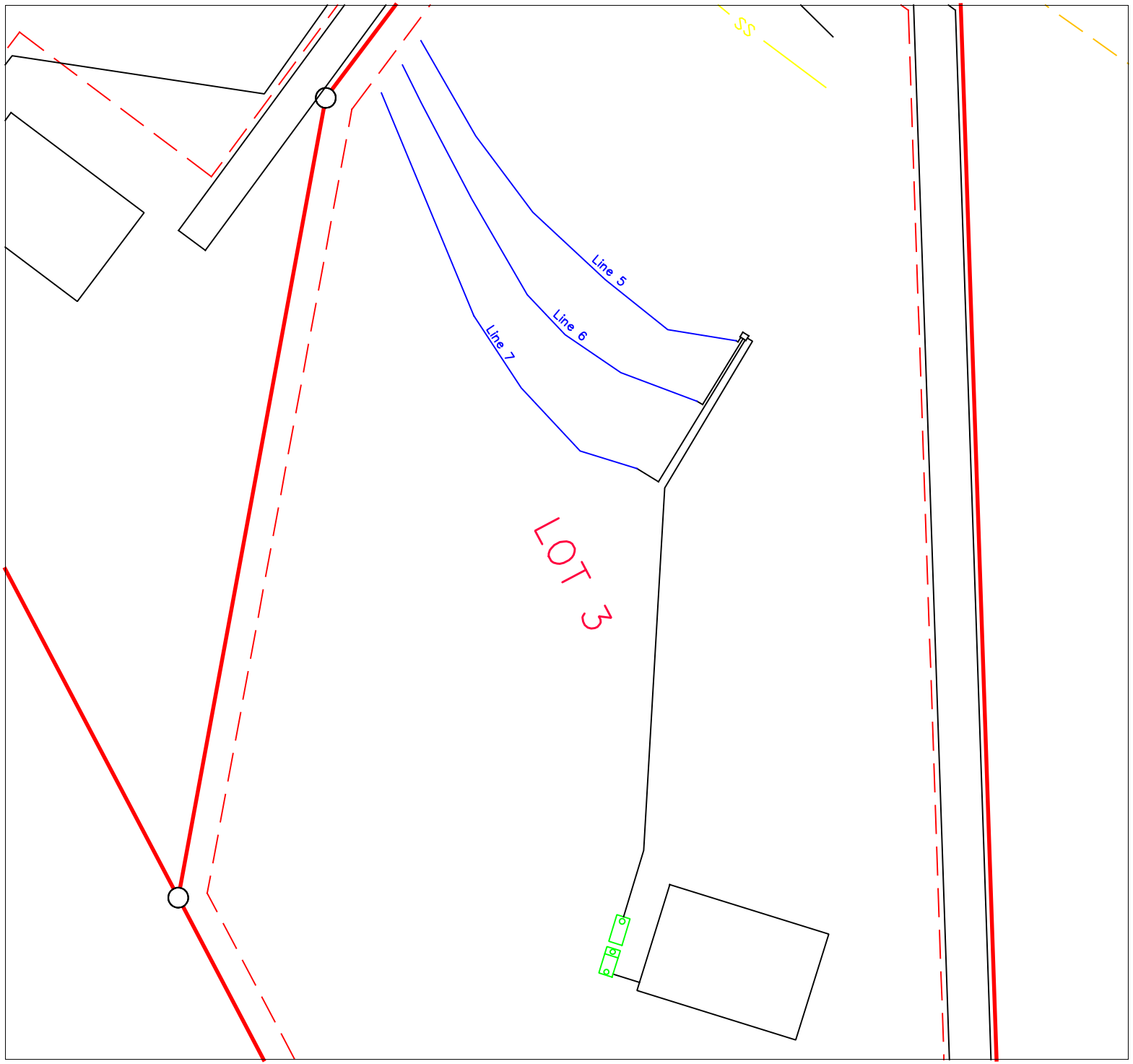
Wilson Town Rd
Oxford, NC

Lot 3

Soil Boring
Locations

Date:
August 10, 2025

1" = 100'



Project:

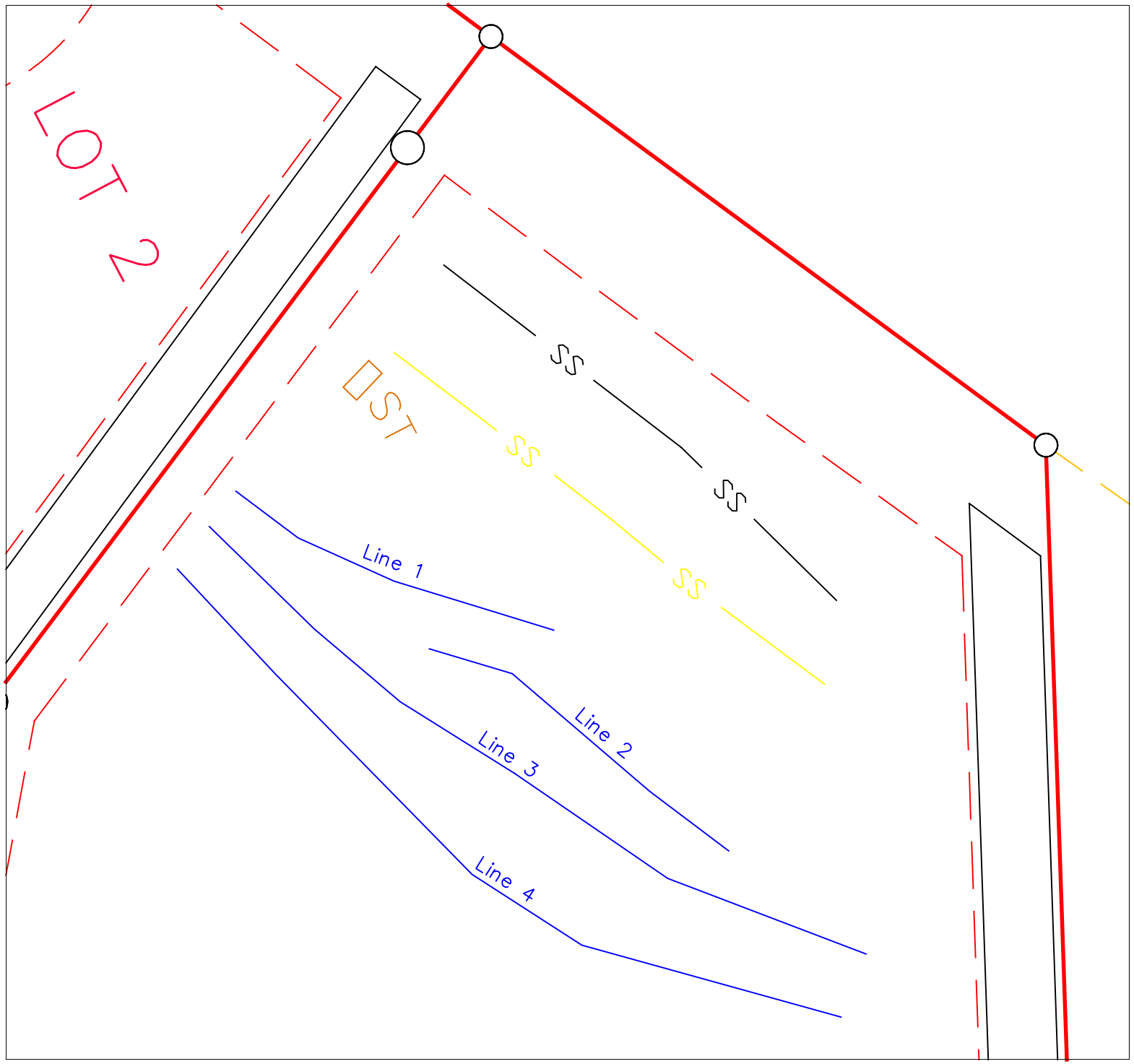
Wilson Town Rd
Oxford, NC

Lot 3

Initial System

Date:
August 10, 2025

1" = 50'



Project:

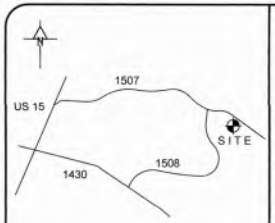
Wilson Town Rd
Oxford, NC

Lot 3

Repair System

Date:
August 10, 2025

1" = 30'



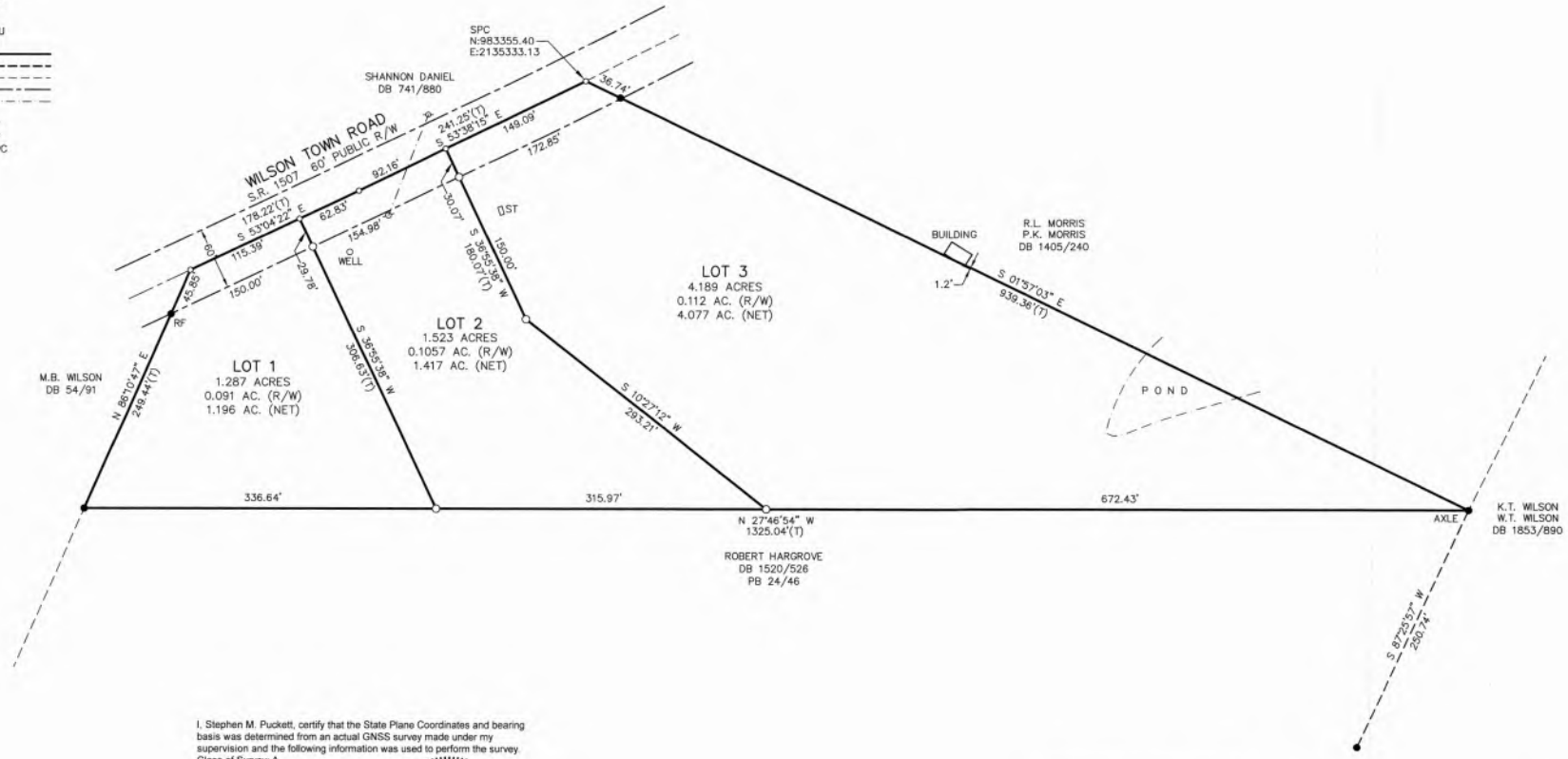
Location Map

Notes
1) Area by Coordinate Method.
2) Distances are horizontal ground in U.S. Survey Feet.
3) All buildings, surface, subsurface improvements and utilities are not necessarily depicted hereon.
4) No title reported provided. This property may be subject to easements and rights of others not shown hereon.
5) Environmental conditions, wetlands, jurisdictional waters or other conditions which may be regulated by Federal, State or local authorities were not investigated. Riparian buffers and other restrictions may be applicable.
6) Utilities depicted hereon are based on visible evidence only. Contact Utility Companies for information regarding utilities and any associated easements.
7) S.R. 1507 60' right of way reference: PB 24/47

N.C. State Plane Coordinate System NAD 83(2011)

Legend (unless otherwise noted)

3/4" Pipe Found	●
#4 Rebar Set	○
Nail Set	△
Calculated Point	○
Concrete Monument	■
Right of Way	R/W
Centerline	C/L
Property Line	P/L
Overhead Utilities	OHU
Total Distance	(T)
Property Line Surveyed	———
Property Line Tie	– – – –
Deed or Plat Line	– – – –
Right of Way Line	——·——
Overhead Utility Line	——·——
Utility Pole	
Septic Tank	ST
Rebar Found	RF
State Plane Coordinates	SPC



I, Stephen M. Puckett, certify that the State Plane Coordinates and bearing basis was determined from an actual GNSS survey made under my supervision and the following information was used to perform the survey.
Class of Survey: A
Positional accuracy: 0.10'
Type of GNSS field procedure: RTK
Date of survey: 5/19/2025
Datum/Epoch: NAD 83(2011)/2010.00
Published/fixed control: CORS(NC RTN)
Geoid Model: GEOID18
Units:U.S. Survey Feet

NORTH CAROLINA PROFESSIONAL SEAL L-3991 LAND SURVEYOR STEPHEN M. PUCKETT

Surveyor's Certificate
I, Stephen M. Puckett, hereby certify that this survey is of another category, such as a recombination of existing parcels, a court-ordered survey, or other exemption or exception to the definition of subdivision.
I, Stephen M. Puckett, certify that this plat was drawn under my supervision from an actual survey made under my supervision (deed description recorded in (references)); that the positional accuracy is ≤ 0.15' plus 150 ppm; that this plat was prepared in accordance with G.S. 47-30 as amended. Witness my original signature, license number and seal this 22nd day of June,A.D., 2025.

Professional Land Surveyor, License Number L-3991

State of North Carolina, County of Granville
I, Angela D. Blount, Review Officer of Granville County, certify that the map or plat to which this certification is affixed meets all statutory requirements for recording.

Review Officer 6-24-2025 Date

I hereby certify that the property shown and described on this subdivision plat for recordation, qualifies as an exception to the provisions of the Subdivision Regulations of Granville County, North Carolina under Section 32-582(c).

Land Development Administrator 6-24-2025 Date

Doc ID: 003938260001 Type: CRP
Recorded: 06/24/2025 at 12:16:52 PM
Fee Amt: $21.00 Page 1 of 1
Granville County, NC
Kathy M. Taylor Reg of Deeds
BK 55 PG 37

References
DB 2022/27
PB 24/47

Site Data
1) PIN 193800531154
Record No.25202
2) Zone: AR-40
5) Setbacks: Street 50', Side 15', Rear 25'

Owner
Jeffrey D. Vaughan
Christene M. Vaughan
18 Jordan Dr
Pittsboro NC 27312

Exempt Division Plat
Survey for:
Jeffrey D. Vaughan and Christene M. Vaughan
May 19, 2025
Sassafras Fork Twp., Granville Co., N.C.

80 0 40 80 160
Graphic Scale (1"=80')

Puckett Surveyors, PLLC
Professional Land Surveyors
FIRM LICENSE NO. (P-1168)
PO Box 2351
Oxford, NC 27565
P. 919.528.8900

File:25031

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 1/20/2025

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
Hartsfield & Nash Agency, Inc.
10405 Ligon Mill Rd., Ste H
Wake Forest NC 27587

License#: 1000009111 AGRITEC-01

CONTACT NAME: Connie Garkalns
PHONE (A/C, No, Ext): 984-235-4273 **FAX (A/C, No):** 919-556-8758
E-MAIL ADDRESS: connie@hartsfield-nash.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Selective Insurance Company of	39926
INSURER B : Accident Fund	10166
INSURER C : Evanston Insurance Company	35378
INSURER D :	
INSURER E :	
INSURER F :	

INSURED
Agri-Waste Technology Inc
501 N. Salem St Ste 203
Apex NC 27502

COVERAGES **CERTIFICATE NUMBER:** 1304989694 **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	X **COMMERCIAL GENERAL LIABILITY** CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC OTHER:			S 2253659	1/18/2025	1/18/2026	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG 	$ 2,000,000 $ 300,000 $ 10,000 $ 2,000,000 $ 4,000,000 $ 4,000,000 $
A	**AUTOMOBILE LIABILITY** X ANY AUTO OWNED AUTOS ONLY SCHEDULED AUTOS X HIRED AUTOS ONLY X NON-OWNED AUTOS ONLY			S 2253659	1/18/2025	1/18/2026	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) 	$ 1,000,000 $ $ $ $
A	X **UMBRELLA LIAB** X OCCUR **EXCESS LIAB** CLAIMS-MADE DED RETENTION $			S 2253659	1/18/2025	1/18/2026	EACH OCCURRENCE AGGREGATE 	$ 2,000,000 $ 2,000,000 $
B	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N: N **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		100003072	1/18/2025	1/18/2026	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
C A	Prof & Pollution Liability Leased & Rented			MKLV3ENV104794 S 2253659	8/22/2024 1/18/2025	8/22/2025 1/18/2026	Each Claim Equipment	5,000,000 25,000

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

CERTIFICATE HOLDER

Artisan Custom Homes
21016 Catawba Avenue
Cornelius NC 28031
USA

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
Connie Garkalns

Attachment 2: Soil Boring Description Sheets

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

PROPERTY ID #: 4110 Wilson Town Rd
COUNTY: _Granville__

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

CLIENT: _____Jeff and Christene Vaughan_____ _ APPLICATION DATE_____
ADDRESS: 18 Jordan Drive, Pittsboro, NC 27312_____ DATES EVALUATED: _Multiple from April through June 2025_____
PROPOSED FACILITY: _Single Family Residence___ PROPOSED DESIGN FLOW (.1949): _____600GPD___ PROPERTY SIZE: __4.189ac_____
LOCATION OF SITE: __4110 Wilson Town Road, Oxford, NC 27565_____ PROPERTY RECORDED: __Yes_____
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
16, 17, 18	0-2%	A 0-6”	SL; Gr	NS; NP; VFr	10YR 4/3	36”			Suitable
		E 6-11”	SL; Gr	NS; NP; VFr	10YR 7/4				0.3GPD/ft2
		Bt1 11-36”	C; SBK	S; P; Fi	2.5YR 5/8				
19, 20, 21, 22, 23	0-4%	A 0-5”	SL; Gr	NS; NP; VFr	10YR 4/3	36”			Suitable
		Bt1 5-36”	C; SBK	S; P; Fi	10R 4/8				0.3GPD/ft2

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	Suitable	Suitable
System Type(s)	Pressure manifold, accepted	Pressure manifold, accepted
Site LTAR	0.3GPD/Ft^2	0.3GPD/ Ft^2

OTHER FACTORS (.1946): _some rock in subsoil__
SITE CLASSIFICATION (.1948): _Suitable
EVALUATED BY: Jeff Vaughan

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			EXP (Expansive)	M (Massive)
D (Drainage Way)						CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

NOTES

HORIZON DEPTH In inches below natural soil surface

DEPTH OF FILL In inches from land surface

RESTRICTIVE HORIZON Thickness and depth from land surface

SAPROLITE S(suitable) or U(unsuitable)

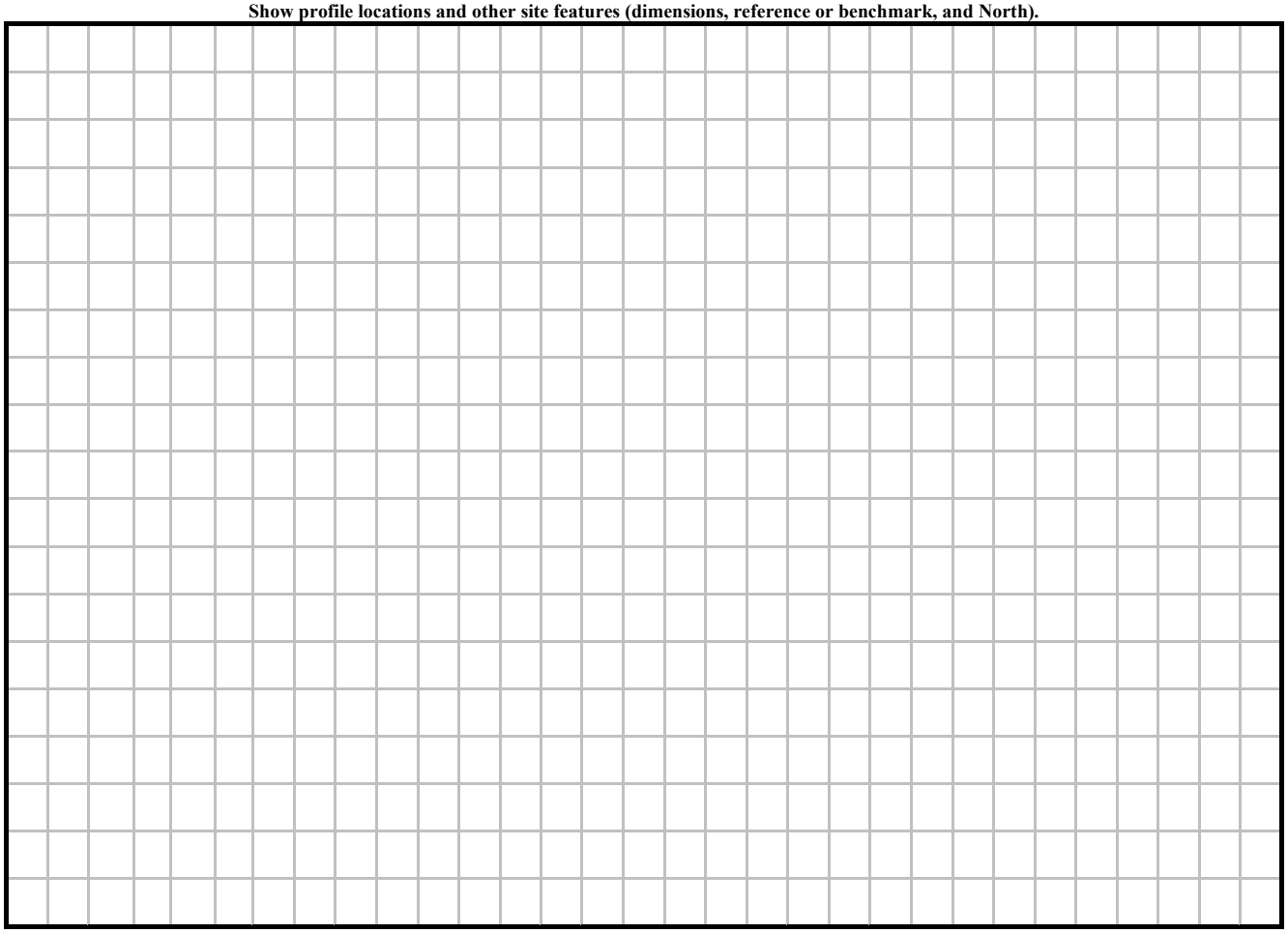
SOIL WETNESS Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation

CLASSIFICATION S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).



OWNER New Branch Homes / Boyd Owen PERMIT NUMBER 1649

DATE 8-16-99 CONTRACTOR Cole's Backhoe Service

WEATHER CONDITIONS Sunny Hot SOIL WETNESS CONDITIONS Dry

SEPTIC AND PUMP TANK INSPECTION

SEPTIC TANK		INITIAL	DATE
MANUFACTURER	Ellis	MKZ	8-16-99
DATE OF MANUFACTURE	7-7-99		
STAMP	yes		
CAPACITY	1000		
TEE	yes		
BAFFLE	yes		
SEALANT	yes		
	Air Gap yes, Filter yes, Marker yes		
PUMP TANK			
MANUFACTURER			
DATE OF MANUFACTURE			
STAMP			
CAPACITY			
SEALANT			
MANHOLE			
DRAW DOWN TEST			

MECHANICAL INSPECTION

PUMP			
MANUFACTURER AND MODEL NUMBER			
CONTROL PANEL			
ALARM			
ELECTRICAL CONNECTION			

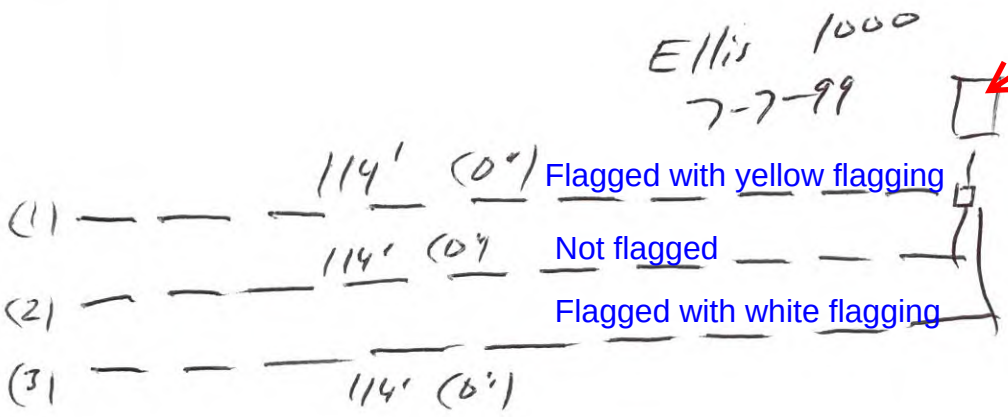
NITRIFICATION DISTRIBUTION AND DRAINFIELD INSPECTION

DISTRIBUTION BOX			
LEVEL	yes	MKZ	8-16-99
EQUAL DISTRIBUTION	yes		
OTHER			
DISTRIBUTION MANIFOLD			
PIPE SIZE			
GATE VALVES			
OTHER			
OTHER DISTRIBUTION			
TYPE			

NITRIFICATION LINES	LINE 1	LINE 2	LINE 3		
TRENCH WIDTH	3'	3'	3'	MKZ	8-16-99
TRENCH LENGTH	114'	114'	114'		
TRENCH GRADE	0'	0'	0'		
STONE DEPTH	12"	12"	12"		

COMMENTS:

GVDHD/92



Flagged with pink flagging

Outlet pipe to septic from house flagged with red caution tape

Flagged with yellow flagging

Not flagged

Flagged with white flagging

Well flagged with red caution tape

SR 1507 Wilson Town Rd

Stovall

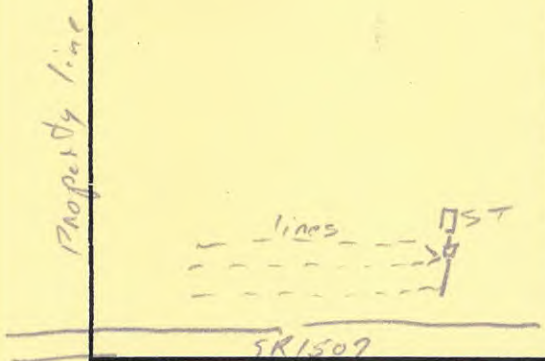
2:00 P.M. Monday Aug. 16th

~~Held for zoning~~ 8-11-99 afp

PERMIT NUMBER № 1649

GRANVILLE - VANCE DISTRICT HEALTH DEPARTMENT
IMPROVEMENT AND OPERATION PERMITS

COUNTY: Granville	TAX NO. 193800531154	TYPE OF ESTABLISHMENT		*THIS PERMIT SHALL BE ACCOMPANIED BY A LAYOUT SHOWN ON A PLAT, INCLUDING SYSTEM REQUIREMENTS.
	SR NO. 1507	RESIDENCE ✓ BUSINESS ___ OTHER ___	NUMBER OF BEDROOMS: 3	NUMBER OF OCCUPANTS: For sale
OWNER: ~~New Branch Homes~~ Richard & Sue Wilkerson				
APPLICANT: for Boyd Owens Jamie		WATER SUPPLY		
APPLICANT'S ADDRESS: 6698 Hunt Farms Rd - Oxford NC		PUBLIC ___	WELL ✓	OTHER ___
PROPERTY ADDRESS/LOCATION: 4108 Wilson Town Rd Oxford, NC		TYPE OF WASTEWATER SYSTEM		*THE IMPROVEMENTS PERMIT MUST BE ATTACHED TO A CONSTRUCTION AUTHORIZATION BEFORE OBTAINING BUILDING PERMIT OR OTHER CONSTRUCTION PERMITS AND BEFORE A WASTEWATER SYSTEM IS INSTALLED.
		DESCRIPTION	INITIAL INSTALLATION	REPAIR
SUBDIVISION: Unit #2		DESIGN FLOW:	120 x 3 = 360	
LOT NUMBER: 7 acre		LTAR:	.35	
REFERENCE SKETCH (SEE PLAT FOR DETAILS)		ABSORPTION AREA:	1020 ft²	
		TRENCH WIDTH:	3'	
		TRENCH SPACING:	9' OC	
		TOTAL TRENCH LENGTH:	340'	
		NUMBER OF TRENCHES:	3	
		GRAVEL DEPTH:	12"	
		TANK SIZE:	1000 gal Distr. box +	
		CONDITIONS:	may need pump unless home is close to the road	



*THIS IMPROVEMENT PERMIT IS SUBJECT TO REVOCATION IF THE INTENDED USE CHANGE FROM THOSE SHOWN ON THE IMPROVEMENT PERMIT. CHANGES SHALL REQUIRE HEALTH DEPARTMENT APPROVAL.

IMPROVEMENT PERMIT

FOR: ~~Richard & Sue Wilkerson~~ NewBranch & Boyd Owens

ISSUED BY: Charles R Nobles

DATE: 8-11-99 ~~8-25-99~~

OPERATION PERMIT

SYSTEM INSTALLED BY: Coley's Backhoe Service

ISSUED BY: M. E. Bryant

DATE: 8-16-99