



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: 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: 4104 Wilson Town Road, Oxford NC 27565

Tax parcel identification number or subdivision lot, block number of property: 193800439409
County: Granville

System Information:

Wastewater System Type: IIIb

Daily Design Flow: 480GPD

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 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: Jeff Vaughan

Signature of Owner or Legal Representative: Jeff Vaughan

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: _____



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
4104 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 4104 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 4-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 1.287 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.

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 four-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 0.275GPD/ft². 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 0.275GPD/ft², 400 linear feet of trench is necessary to support a 4-bedroom home for each the initial and repair systems with the use of a conventional trench product. The maximum slope corrected trench depth is 32 inches. The attached drawings substantiate that the necessary linear footage of trench can be installed on the property for the initial and repair systems.

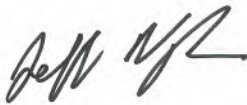
Any logging, disturbances, or grading done in the usable area or within the proposed setbacks will change the potential of using the area designated for a drainfield. Prior to moving forward with the development on the property, Jeff Vaughan of AWT should be contacted to complete the necessary Construction 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,

A handwritten signature in dark ink, appearing to read "Jeff V", is positioned above the printed name.

Jeff Vaughan, NC LSS

Attachment 1: Site Plan/Drawing

Permitting Specifications

Project: Wilson Town Rd Lot1 Date: 8/10/2025
Address: TBD Wilson Town Rd, Stovall, NC
County: Granville PIN# 19380053114 Water Source: Well
of Bedrooms: 4 Design Daily Flow: 480 Waste Strength: Domestic

Initial System

LTAR: 0.275 Trench Width: 3 Trench Depth: 24"
Min. ft of Drainfield: 582 Adjusted ft of Drainfield: 436
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 Road
Oxford, NC

Line #	Use	Layout Line Length (ft)	Utilized System 1 (ft)	Utilized System 2 (ft)	Flag Color
Line 1	Quick4 Plus Standard	53	50		Orange
Line 2	Quick4 Plus Standard	75	66		Yellow
Line 3	Quick4 Plus Standard	96	94		Red
Line 4	Quick4 Plus Standard	120	114		Purple
Line 5	Quick4 Plus Standard	143	114		Orange
Line 6	Quick4 Plus Standard	159		154	Yellow
Line 7	Quick4 Plus Standard	157		154	Red
Line 8	Quick4 Plus Standard	133		130	Purple
Total		936	438	438	

PRESSURE MANIFOLD SEPTIC SYSTEM DESIGN (Initial)

Site Information

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

Design Information

Bedrooms or Design Unit Info.: 4 bedrooms
Flow/Unit: 120 gal/bedroom
Daily Flow: 480 gal/day
Additional Flow: 0
Total Design Flow: 480
L.T.A.R. : 0.275 gal/day/ft²
L.T.A.R. + 5%: 0.28875 gal/day/ft²
Trench Width: 3 ft.
Line Length Required: 581.8 ft.
Line Length w/ 25% Reduction: 436.36364 ft. (for Quick4 Plus Standard)
L.T.A.R. Reduced: 0.3666667 gal/day/ft²
L.T.A.R. Reduced + 5%: 0.385 gal/day/ft²

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	154	1/2in SCH 40	7.11	0.046	0.375
2	Red	154	1/2in SCH 40	7.11	0.046	0.375
3	Purple	130	1/2in SCH 80	5.48	0.042	0.342
TOTAL		438		19.7		0.364

Note: Line lengths are in 5 foot increments to reflect use of EZ Flow products

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

Note: Benchmark is western property corner (iron pin) - assumed elevation = 100'

Total Run Time = 24.37 min.
% of Dose Volume = 74.00%
Dose Volume = 211.7 gal/dose
Run Time/Dose = 10.7 min
Volume/depth = 21.07 gal/in (Dependent upon tank manufacturer, to be field verified)
Estimated Drawdown = 10.0 in.
Number of Taps = 3

PRESSURE MANIFOLD SEPTIC SYSTEM DESIGN (Repair)

Site Information

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

Design Information

Bedrooms or Design Unit Info.: 4 bedrooms
Flow/Unit: 120 gal/bedroom
Daily Flow: 480 gal/day
Additional Flow: 0
Total Design Flow: 480
L.T.A.R. : 0.275 gal/day/ft²
L.T.A.R. + 5%: 0.28875 gal/day/ft²
Trench Width: 3 ft.
Line Length Required: 581.8 ft.
Line Length w/ 25% Reduction: 436.36364 ft. (for Quick4 Plus Standard)
L.T.A.R. Reduced: 0.3666667 gal/day/ft²
L.T.A.R. Reduced + 5%: 0.385 gal/day/ft²

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	Orange	50	1/2in SCH 80	5.48	0.110	0.368
2	Yellow	66	1/2in SCH 40	7.11	0.108	0.361
3	Red	94	3/4in SCH 80	10.1	0.107	0.360
4	Purple	114	3/4in SCH 40	12.5	0.110	0.368
5	Orange	114	3/4in SCH 40 (split)	12.5	0.110	0.368
TOTAL		438		47.69		0.365

Note: Line lengths are in 5 foot increments to reflect use of EZ Flow products

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

Note: Benchmark is western property corner (iron pin) - assumed elevation = 100'

Total Run Time = 10.07 min.
% of Dose Volume = 74.00%
Dose Volume = 211.7 gal/dose
Run Time/Dose = 4.4 min
Volume/depth = 21.07 gal/in (Dependent upon tank manufacturer, to be field verified)
Estimated Drawdown = 10.0 in.
Number of Taps = 5

PUMP DESIGN

System: **Drainfield Dosing Pumps**

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

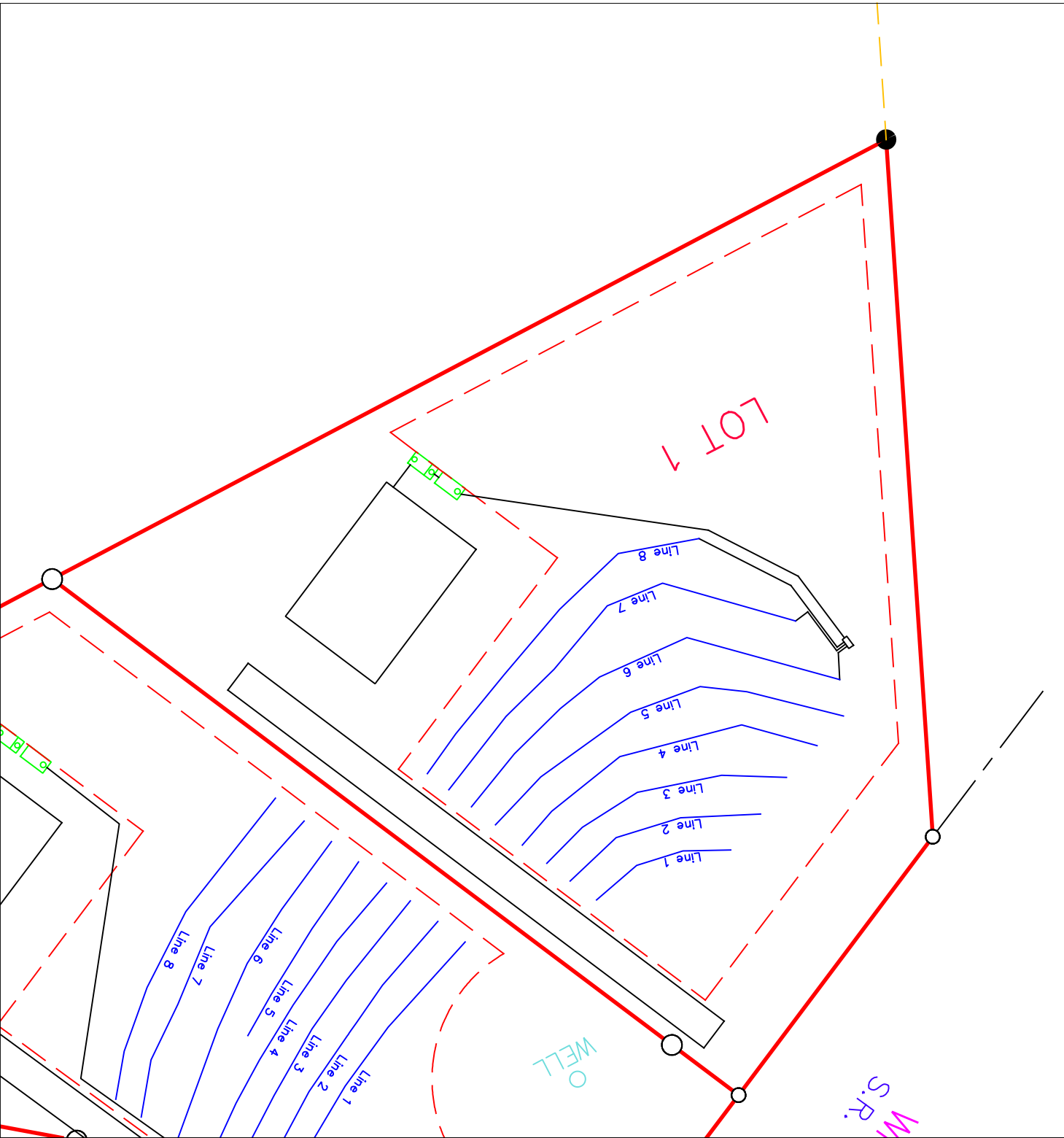
Friction Losses

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 = 19.7 gpm
Pipe Length =	125 ft.	Velocity = 1.92 ft/sec
Pipe Length for Fittings =	70 ft.	
Est. Friction Loss per 100' =	0.75 ft/100 ft.	
Estimated Friction Loss =	1.47 ft.	
Friction Loss - Taps/Special Fittings =	3.5 ft.	
SUB-TOTAL =		21.97 ft.
Friction Loss - Fittings (5%) =		1.10 ft.
TOTAL =		23.06 ft.

Flow for Anti-Siphon Hole

Hole Diameter = 5/32 in.
Hole Flowrate = 1.38 gpm

Pump Efficiency =	0.7 (assumed, typical)
Motor Efficiency =	0.9 (assumed for electric pumps)
Flow =	21.08 gpm
Required Horsepower =	0.19 hp
TDH =	23.06 ft.



Project:

Wilson Town Rd
Oxford, NC

Lot 1

Overall Site

Date:

August 10, 2025

1" = 50'



Project:

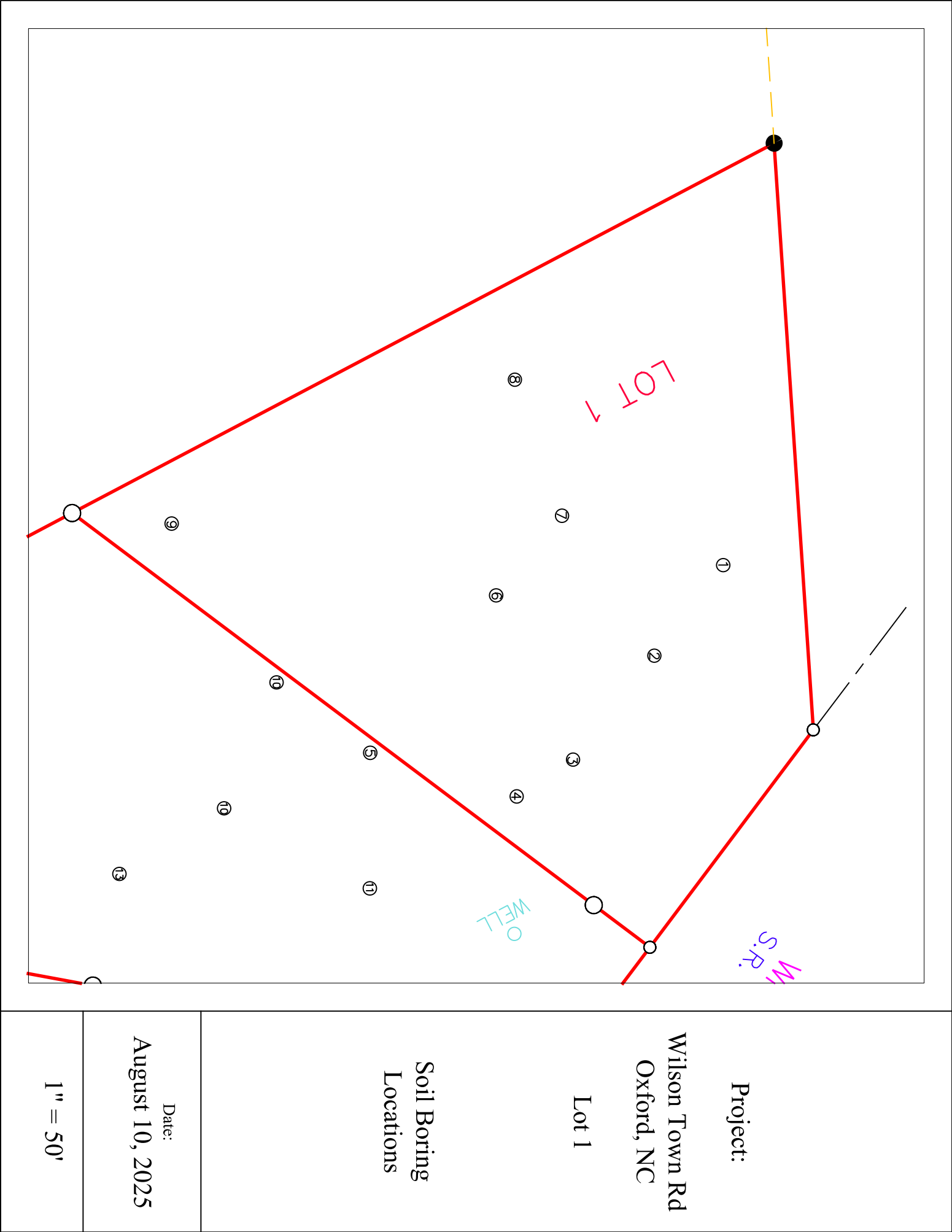
Wilson Town Rd
Oxford, NC

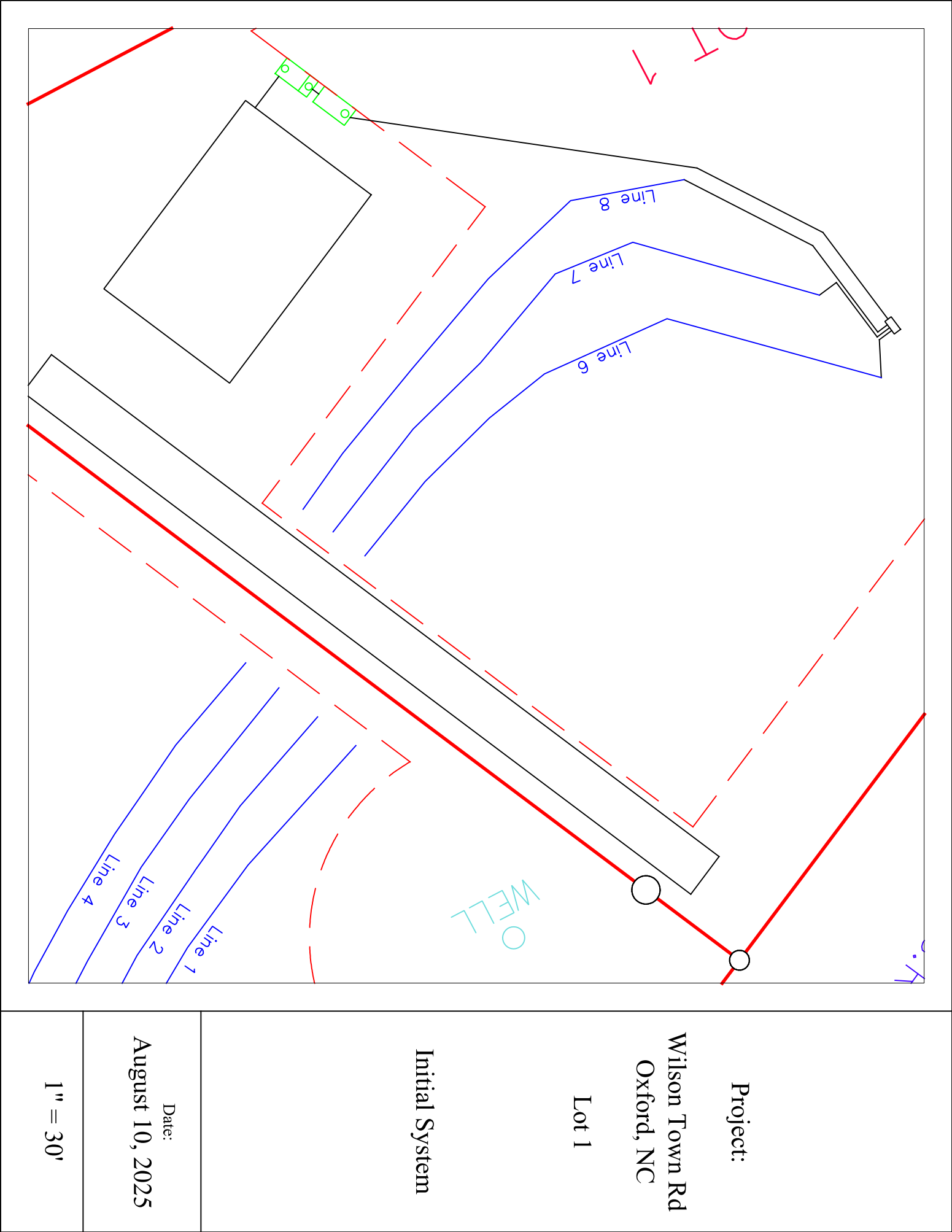
Lot 1

Site Closeup

Date:
August 10, 2025

1" = 40'





Project:

Wilson Town Rd
Oxford, NC

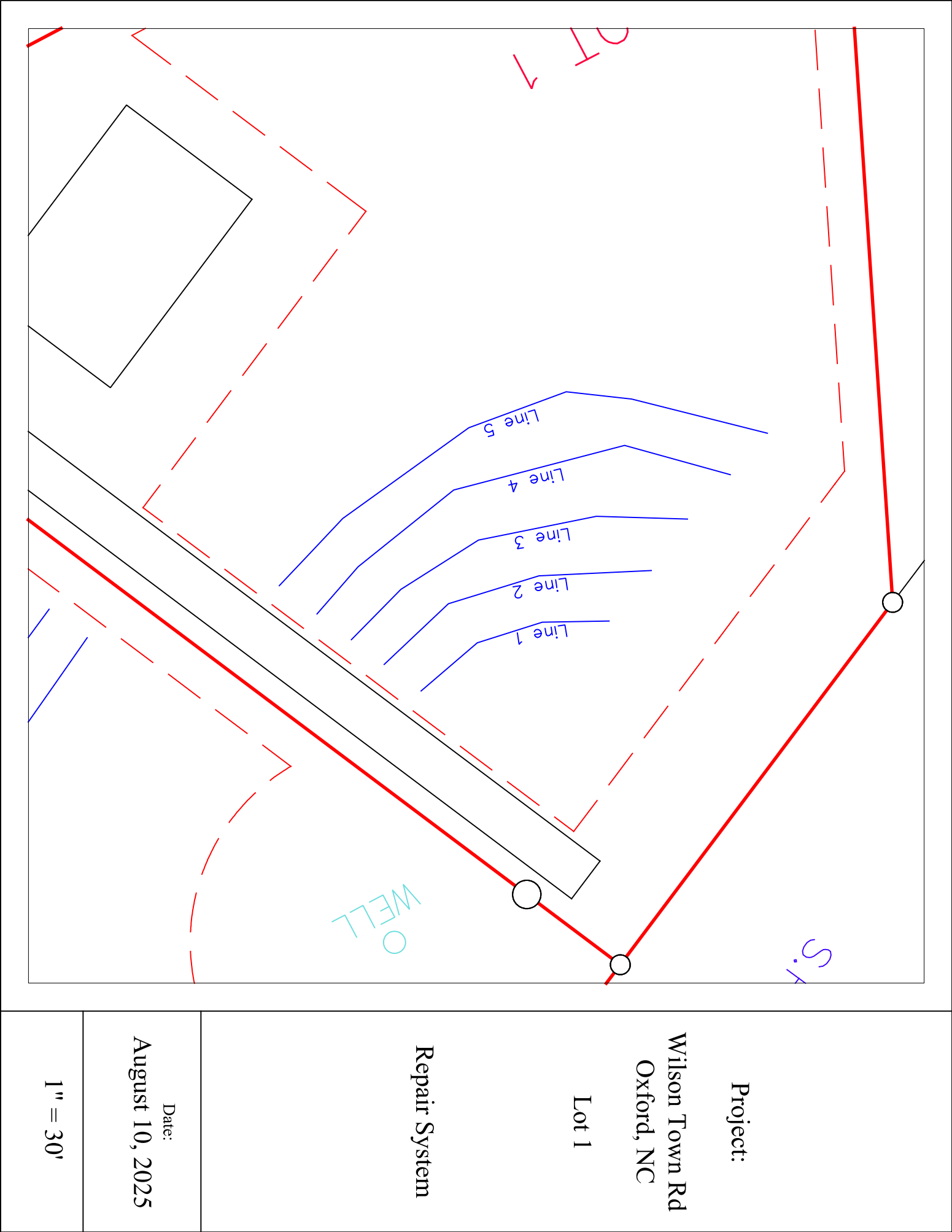
Lot 1

Initial System

Date:

August 10, 2025

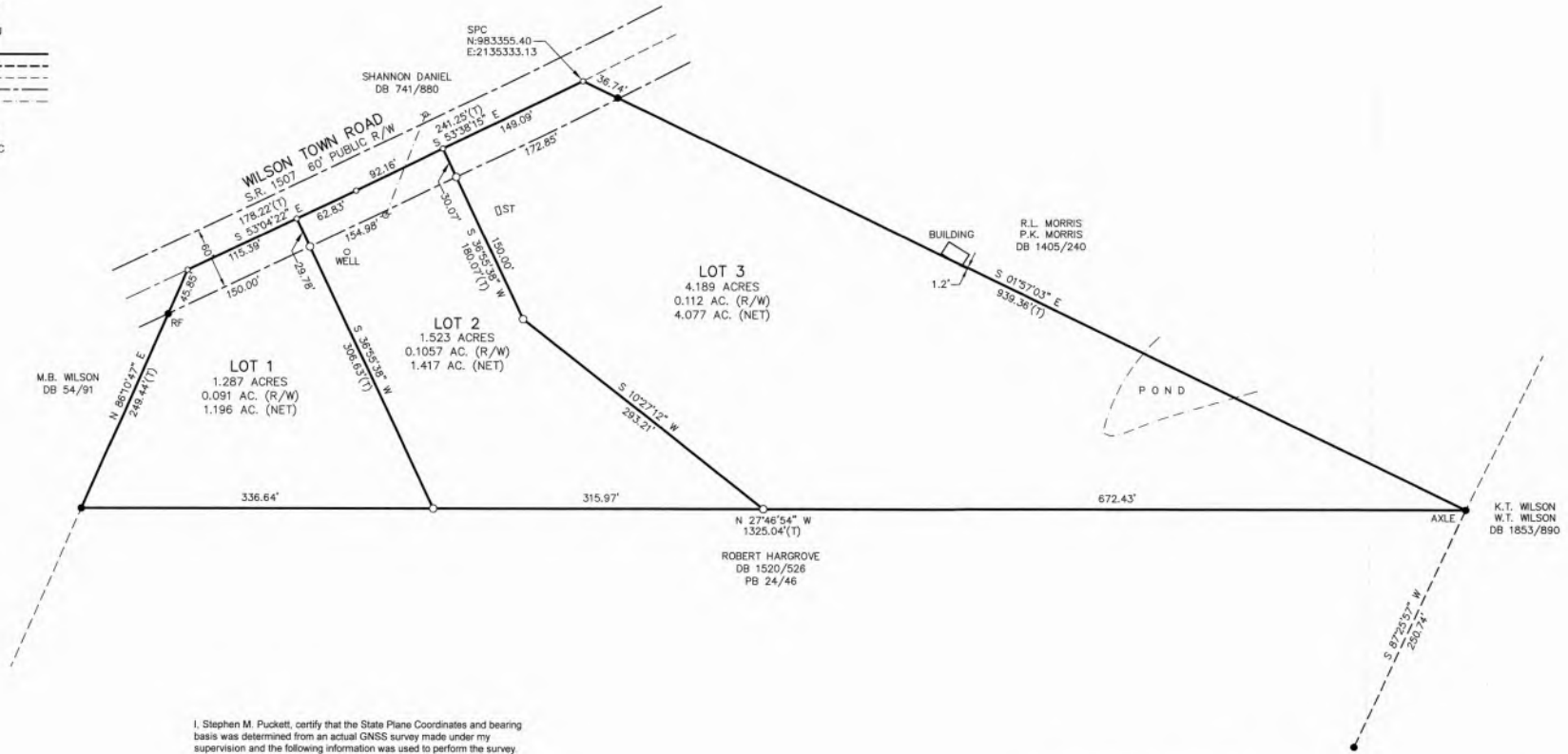
1" = 30'





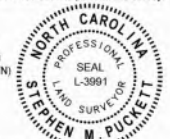
Location Map

- Legend (unless otherwise noted)
- 3/4" Pipe Found
 - #4 Rebar Set
 - Nail Set
 - Calculated Point
 - Concrete Monument
 - Right of Way
 - Centerline
 - Property Line
 - Overhead Utilities
 - Total Distance
 - Property Line Surveyed
 - Property Line Tie
 - Deed or Plat Line
 - Right of Way Line
 - Overhead Utility Line
 - Utility Pole
 - Septic Tank
 - Rebar Found
 - 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



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 $\pm 0.15'$ 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, Amber D. Bount, Review Officer of Granville County, certify that the map or plat to which this certification is attached meets all statutory requirements for recording.

Review Officer: Amber D. Bount Date: 6-24-2025

I hereby certify that the property shown and described on this subdivision plat for recording, qualified as an exception to the provisions of the Subdivision Regulations of Granville County, North Carolina under Section 30-682(c).

Land Development Administrator: [Signature] Date: 6-24-2025

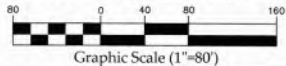
Doc ID: 003938260001 Type: CRP
 Recorded: 06/24/2025 at 12:18:52 PM
 Fee Amt: \$21.50 Page 1 of 1
 Granville County, NC
 Kathy M. Taylor, Reg. of Deeds
 BK 55 Pg 37

References
 DB 2022/27
 PB 24/47

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.



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	CONTACT NAME: Connie Garkalns PHONE (A/C, No, Ext): 984-235-4273 E-MAIL ADDRESS: connie@hartsfield-nash.com FAX (A/C, No): 919-556-8758
License#: 100009111 AGRITEC-01	INSURER(S) AFFORDING COVERAGE INSURER A : Selective Insurance Company of INSURER B : Accident Fund INSURER C : Evanston Insurance Company INSURER D : INSURER E : INSURER F :
INSURED Agri-Waste Technology Inc 501 N. Salem St Ste 203 Apex NC 27502	NAIC # 39926 10166 35378

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	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☐ LOC OTHER:			S 2253659	1/18/2025	1/18/2026	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$300,000 MED EXP (Any one person) \$10,000 PERSONAL & ADV INJURY \$2,000,000 GENERAL AGGREGATE \$4,000,000 PRODUCTS - COMP/OP AGG \$4,000,000 \$
A	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☒ HIRED AUTOS ONLY ☒ NON-OWNED AUTOS ONLY			S 2253659	1/18/2025	1/18/2026	COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE DED RETENTION \$			S 2253659	1/18/2025	1/18/2026	EACH OCCURRENCE \$2,000,000 AGGREGATE \$2,000,000 \$
B	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 N	N / A	100003072	1/18/2025	1/18/2026	☒ PER STATUTE ☐ 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
C A	Prof & Pollution Liability Leased & Rented			MKLV3ENV104794 S 2253659	8/22/2024 1/18/2025	8/22/2025 1/18/2026	Each Claim 5,000,000 Equipment 25,000

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

CERTIFICATE HOLDER**CANCELLATION**

Artisan Custom Homes
21016 Catawba Avenue
Cornelius NC 28031
USA

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

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Attachment 2: Soil Boring Description Sheets

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): 480GPD PROPERTY SIZE: 1.287ac
LOCATION OF SITE: 4104 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

P R O F I L E #	.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 SAPR O CLASS	.1944 RESTR HORIZ	
1, 2, 3, 4, 5	0-4%	A 0-6"	SL; Gr	NS; NP; VFr	10YR 4/3	35"			Suitable
		E 6-11"	SL; Gr	NS; NP; VFr	10YR 7/4				0.3GPD/ft2
		Bt1 11-36"	C; SBK	S; P; Fi	5YR 5/8				
6, 7	0-4%	A 0-5"	SL; Gr	NS; NP; VFr	10YR 4/3	32"			Suitable
		E 5-10"	SL; Gr	NS; NP; VFr	10YR 7/4				0.275GPD/ft2
		Bt1 10-32"	C; SBK	S; P; Fi	5YR 5/8				
		Bt2 32-36"	C; SBK	S; P; Fi	5YR 5/8; mottles 2, m, D				
					10 YR 6/3				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (.1946): some rock in subsoil SITE CLASSIFICATION (.1948): Suitable EVALUATED BY: Jeff Vaughan
Available Space (.1945)	Suitable	Suitable	
System Type(s)	Pressure manifold, accepted	Pressure manifold, accepted	
Site LTAR	0.275GPD/Ft²	0.275GPD/ Ft²	

COMMENTS: Borings 6 and 7 on border of proposed drainfield

LEGEND

use the following standard abbreviations

<u>LANDSCAPE POSITION</u>	<u>GROUP</u>	<u>SOIL TEXTURE</u>	<u>CONVENTIONAL _1955 LTAR*</u>	<u>LPP _1957 LTAR*</u>	<u>MINERALOGY/ CONSISTENCE</u>	<u>STRUCTURE</u>
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)				M (Massive)
D (Drainage Way)	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		CR (Crumb)
DS (Debris Slump)						GR (Granular)
FP (Flood Plain)						SBK (Subangular Blocky)
FS (Foot Slope)	III	Si (Silt) SiCL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SiL (Silt Loam)	0.6 - 0.3	0.3 - 0.15		ABK (Angular Blocky)
H (Head Slope)						PL (Platy)
L (Linear Slope)						PR (Prismatic)
N (Nose Slope)						
R (Ridge)						
S (Shoulder Slope)						
T (Terrace)						
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay) O (Organic)	0.4 - 0.1	0.2 - 0.05	VFR (Very Friable) FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky) EFI (Extremely Firm)	NS (Non-sticky)
						SS (Slightly Sticky)
						S (Sticky)
						VS (Very Sticky)
						NP (Non-plastic)
			None	None		SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

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

NOTES

NOTES

HORIZON DEPTH

DEPTH OF FILL

RESTRICTIVE HORIZON

SAPROLITE

SOIL WETNESS

CLASSIFICATION

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft²

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

A full-page sheet of white graph paper with a light gray grid. The grid consists of small squares, approximately 1 cm by 1 cm each. There are 20 columns and 20 rows of squares. A thick black border surrounds the entire grid area.