



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: 1556 Dogwood Drive, Oxford NC 27565

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

0983353099 County: Granville

System Information:

Wastewater System Type: IIIb

Daily Design Flow: 600GPD

Saprolite System: ☐ Yes ☒ No Subsurface Operator Required: ☐ Yes ☒ No

Water Supply Type: ☒ Private Well ☐ Public Water Supply ☐ Spring ☐ Other: _____

Facility Type:

☒ 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: _____



Required Attachments:

☒ Plat or Site Plan

☒ Evaluation of Soil and Site Features by Licensed Soil Scientist

Attest: On this the 11th day of September 2026 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 11th day of September 2031

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.
1225 Crescent Green, Suite 250, Cary NC 27518
agriwaste.com | 919.859.0669



Soil Suitability for Domestic Sewage Treatment and Disposal Systems
1556 Dogwood Drive, Oxford, NC 27565
(Granville County)
September 11, 2026

Soil suitability for domestic sewage treatment and disposal systems was evaluated on multiple dates from July through August, 2026, for the property located at 1556 Dogwood Drive 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 boring locations is included in Attachment 1. This site has a previously issued 4-bedroom septic system permit, but the permit has since expired (Attachment 1). Profile descriptions for each soil boring are included in Attachment 2.

Site Conditions

The total property area is approximately 2.70 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 front of the lot and the septic system is proposed for the back 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 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/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 0.3GPD/ft², 500 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 36 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 black ink, appearing to read "Jeff V", is positioned above the typed name.

Jeff Vaughan, NC LSS

Attachment 1: Site Plan/Drawing

Permitting Specifications

Project: Dogwood Drive Date: 9/8/2026
Address: Dogwood Drive, Oxford, NC
County: Granville PIN# 0983-35-3099 Water Source: Well
of Bedrooms: 5 Design Daily Flow: 600 Waste Strength: Residential

Initial and Repair System

LTAR: 0.3 Trench Width: 3 Trench Depth: 24"
Min. ft of Drainfield: 667 Adjusted ft of Drainfield: 500
Septic Tank Size: 1500 Gallons Pump Tank Size: 1500 Gallons
Distribution Method: Serial 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
- 7) If gravity fall can be achieved, pump system is not required.
- 8) If pump system is required, 1.5" pvc supply line to be used at 13 gpm

Applicant: Jeff Vaughan
Location: Dogwood Drive
Oxford NC

Line #	Use	Layout Line Length (ft)	Utilized System 1 (ft)	Utilized System 2 (ft)	Flag Color
Line 1	Quick4 Plus Standard	197	150		Yellow
Line 2	Quick4 Plus Standard	73	66		White
Line 3	Quick4 Plus Standard	215	202		Orange
Line 4	Quick4 Plus Standard	97	86		White
Line 5	Quick4 Plus Standard	268		246	Purple
Line 6	Quick4 Plus Standard	138		122	Red
Line 7	Quick4 Plus Standard	78		66	Yellow
Line 8	Quick4 Plus Standard	72		66	Orange
Total		1138	504	500	

PRESSURE MANIFOLD SEPTIC SYSTEM DESIGN (Initial)

Site Information

Applicants: Jeff Vaughan
Site Address: Dogwood Drive
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/ft²
L.T.A.R. + 5%: 0.315 gal/day/ft²
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/ft²
L.T.A.R. Reduced + 5%: 0.420 gal/day/ft²

DRAINFIELD INFO. - Initial (Primary)

Proposed Type of System/Distribution: **Pressure Manifold w/ Accepted 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	150				
2	White	66				
3	Orange	202				
4	White	86				
TOTAL		504				

Note: Line lengths are in 4 foot increments to reflect use of approved chamber

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

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

PRESSURE MANIFOLD SEPTIC SYSTEM DESIGN (Repair)

Site Information

Applicants: Jeff Vaughan
 Site Address: Dogwood Drive
 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/ft²
 L.T.A.R. + 5%: 0.315 gal/day/ft²
 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/ft²
 L.T.A.R. Reduced + 5%: 0.420 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	Purple	246				
2	Red	122				
3	Yellow	66				
4	Orange	66				
TOTAL		500				

Note: Line lengths are in 4 foot increments to reflect use of approved chamber

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

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

PUMP DESIGN

System: **Drainfield Dosing Pumps**

Applicants: Jeff Vaughan
Site Address: Dogwood Drive
Oxford, NC

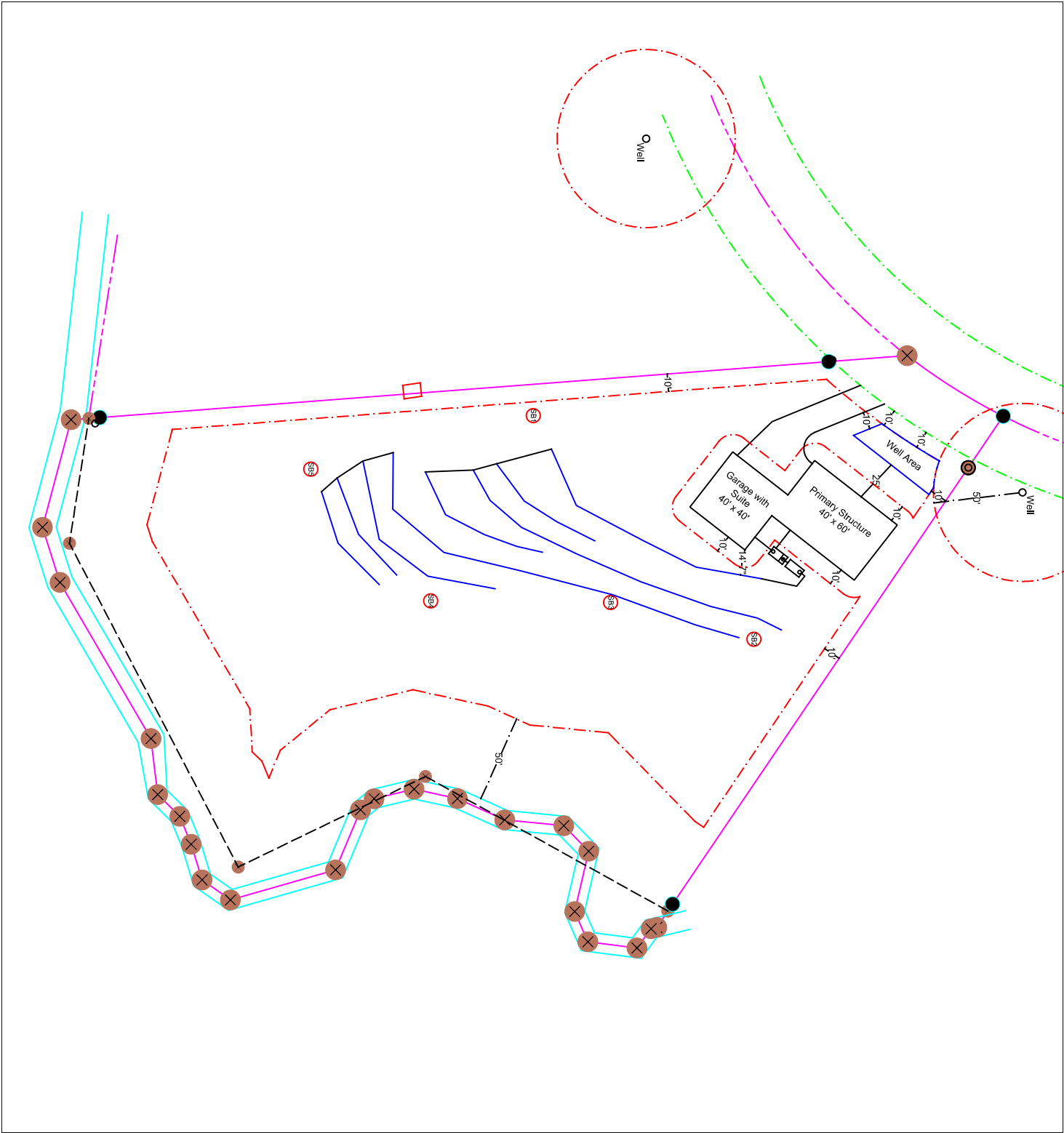
Friction Losses

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) =	1.61 in.	Flow = 13 gpm
Pipe Length =	100 ft.	Velocity = 2.05 ft/sec
Pipe Length for Fittings =	70 ft.	
Est. Friction Loss per 100' =	1.12 ft/100 ft.	
Estimated Friction Loss =	1.90 ft.	
Friction Loss - Taps/Special Fittings =	3.5 ft.	
SUB-TOTAL =		22.40 ft.
Friction Loss - Fittings (5%) =		1.12 ft.
TOTAL =		23.52 ft.

Flow for Anti-Siphon Hole

Hole Diameter = 5/32 in.
Hole Flowrate = 1.40 gpm

Pump Efficiency =	0.7 (assumed, typical)
Motor Efficiency =	0.9 (assumed for electric pumps)
Flow =	14.40 gpm
Required Horsepower =	0.14 hp
TDH =	23.52 ft.

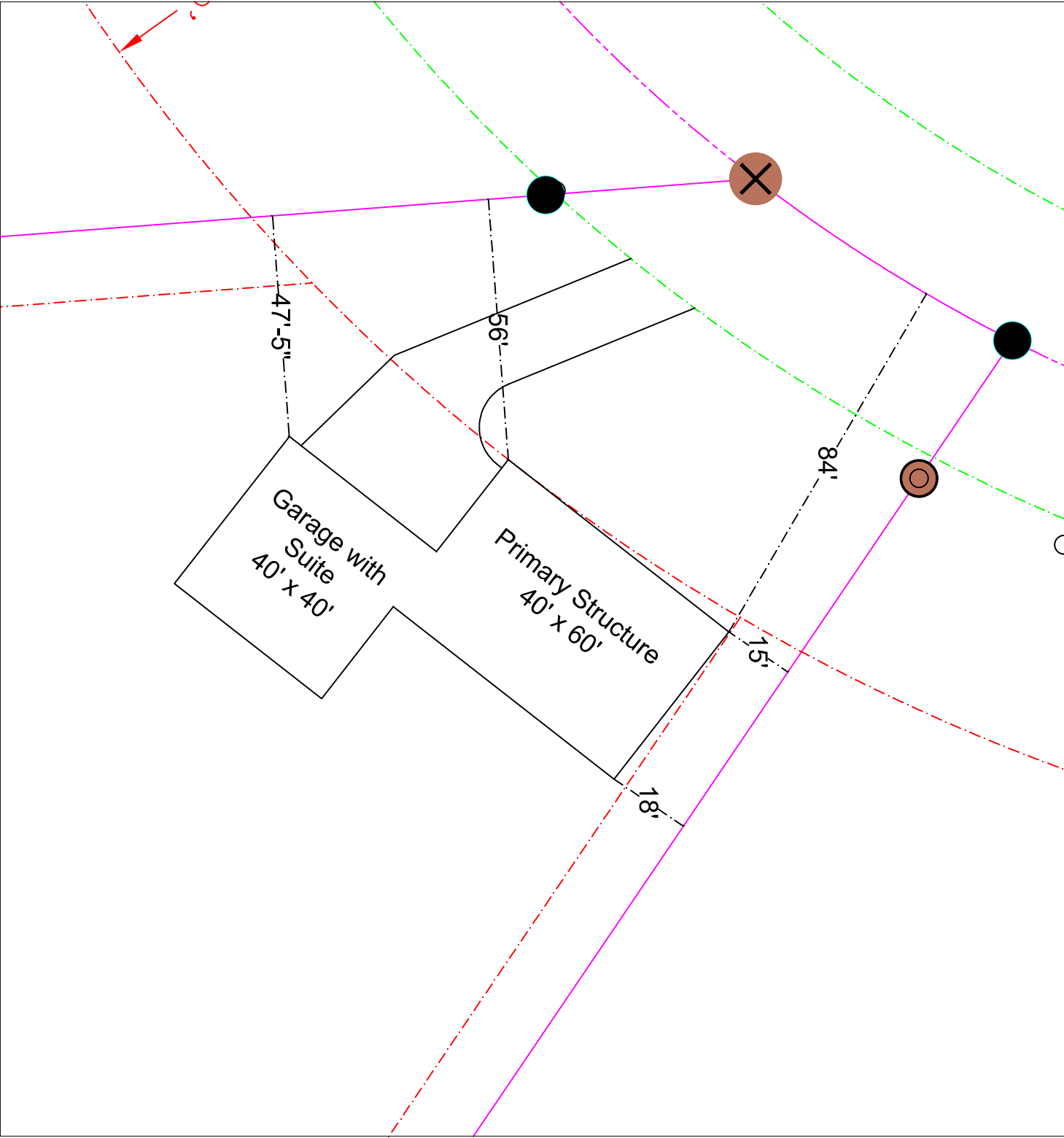


Project:
Dogwood Drive
Oxford, NC

Overall Site

Date:
September 20, 2026

1" = 80'

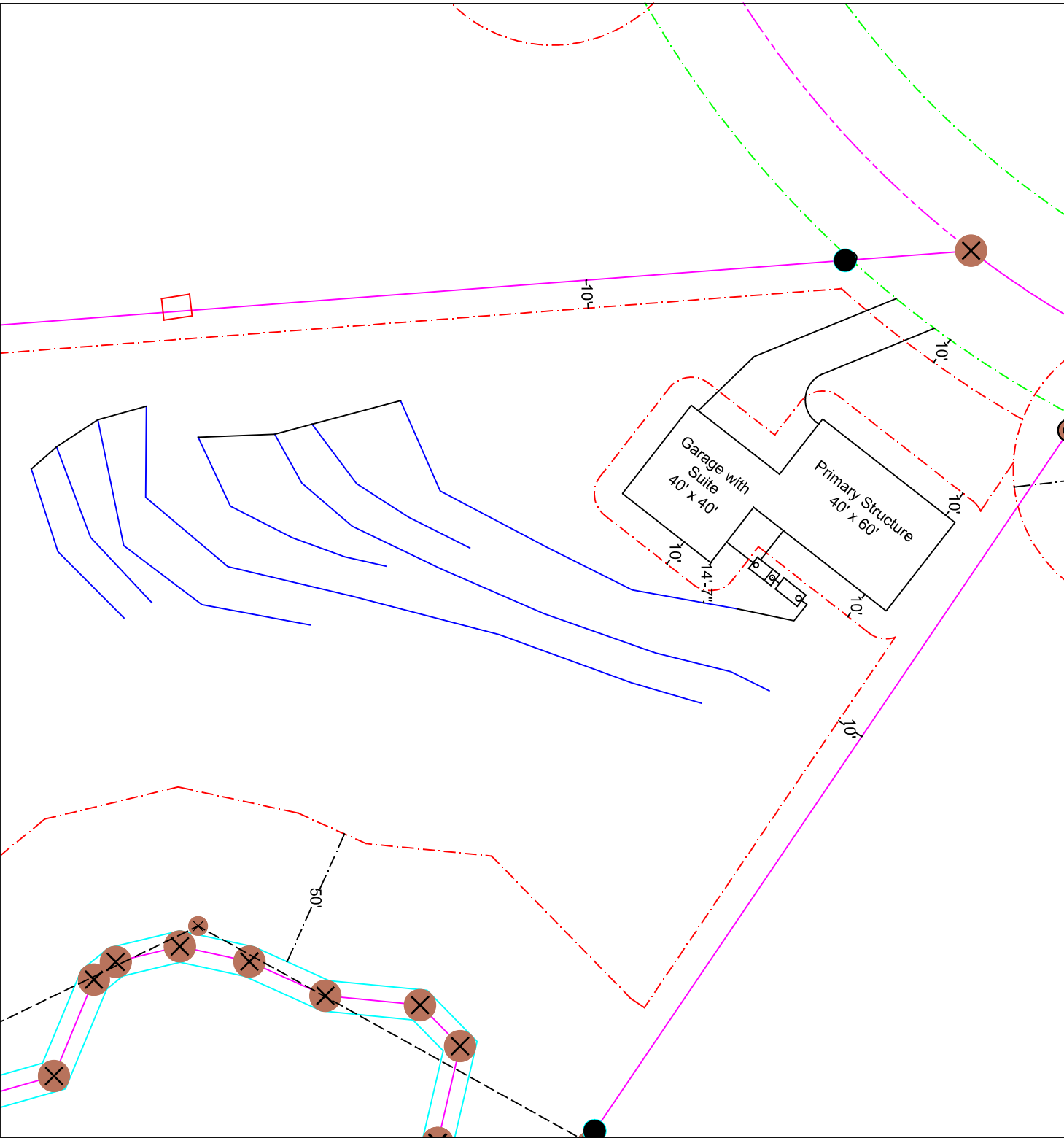


Project:
Dogwood Drive
Oxford, NC

Zoning Setbacks

Date:
September 20, 2026

1" = 30'

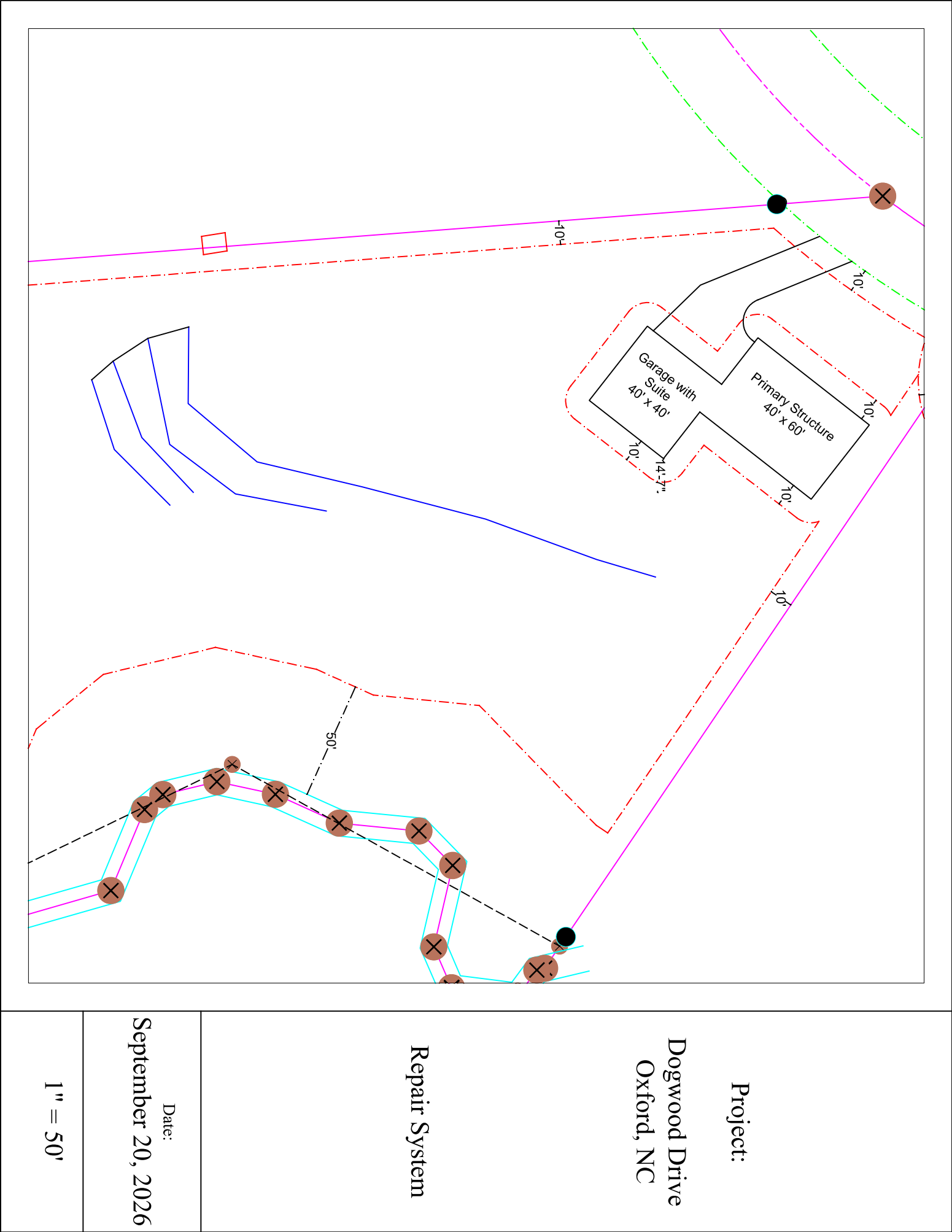


Project:
Dogwood Drive
Oxford, NC

Overall Septic

Date:
September 20, 2026

1" = 50'



Project:

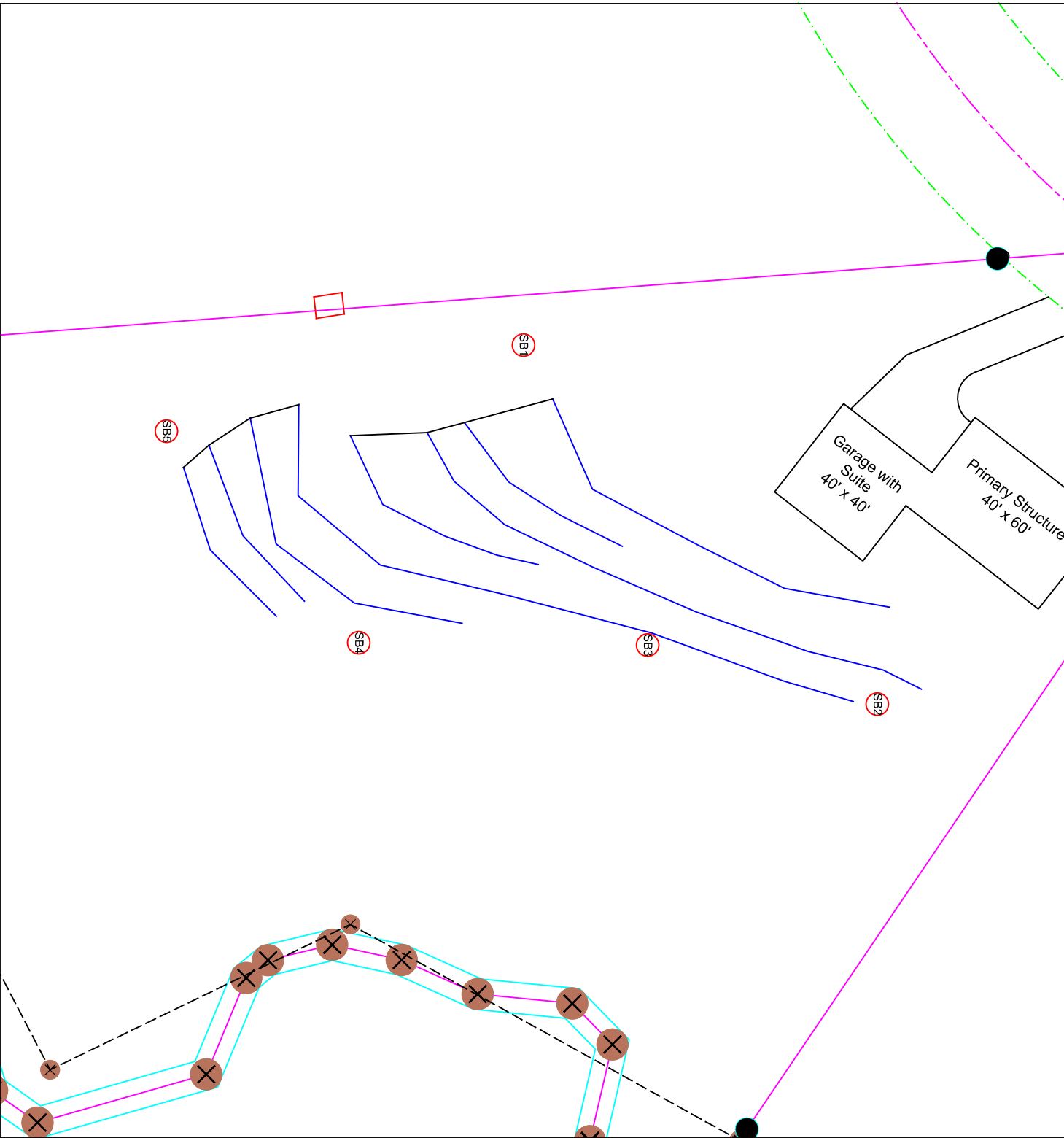
Dogwood Drive
Oxford, NC

Repair System

Date:

September 20, 2026

1" = 50'



Project:

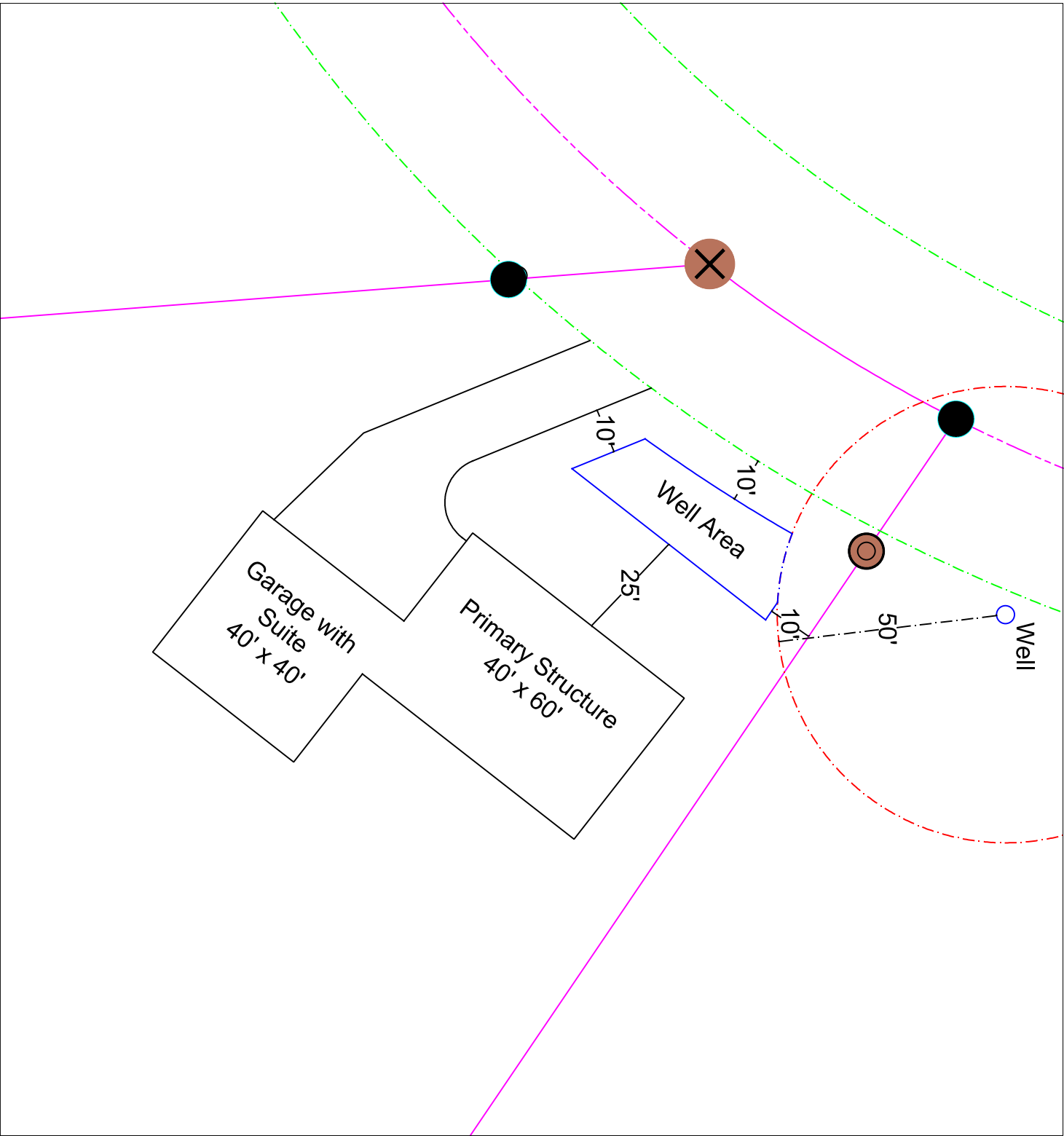
Dogwood Drive
Oxford, NC

Soil Borings

Date:

September 20, 2026

1" = 50'



Project:
Dogwood Drive
Oxford, NC

Well Area

Date:

September 20, 2026

1" = 50'

GRANVILLE-VANCE DISTRICT HEALTH DEPARTMENT IMPROVEMENT AND OPERATION PERMITS

COUNTY: Granville	TAX NO.	TYPE OF ESTABLISHMENTS			*THIS PERMIT SHALL BE ACCOMPANIED BY A LAYOUT SHOWN ON A PLAT, INCLUDING SYSTEM REQUIREMENTS.
APPLICANT'S NAME & ADDRESS Jenea Garland	LOT SIZE	RESIDENCE ☒ BUSINESS ☐ OTHER ☐	NUMBER OF BEDROOMS: 4	NUMBER OF OCCUPANTS: 8 MAX	
		WATER SUPPLY WELL ☒ PUBLIC ☐	INITIAL INSTALLATION	REPAIR	
		TYPE OF WASTEWATER SYSTEM			
PROPERTY ADDRESS/LOCATION: 1556 Dogwood Dr		DESIGN FLOW:	480 gpd		*THIS IMPROVEMENT PERMIT IS SUBJECT TO REVOCATION IF THE INTENDED USE CHANGES FROM THOSE SHOWN ON THE IMPROVEMENT PERMIT. CHANGES SHALL REQUIRE HEALTH DEPARTMENT APPROVAL.
		LTAR:	.3 gpd/FT²		
SUBDIVISION: Shelton Hills		ABSORPTION AREA:	1,200 FT²		
LOT NUMBER: 86		TRENCH WIDTH	36"		
REFERENCE SKETCH (SEE PLAT FOR DETAILS)		TRENCH DEPTH:	20-24"		
		TRENCH SPACING:	9' o.c.		
		TOTAL TRENCH LENGTH:	400'		
		NUMBER OF TRENCHES:	3 or 4		
		GRAVEL / ACCEPTED:	Accepted		
		TANK SIZE:	1000 gal		
		PUMP TANK SIZE:	N/A		PERMIT VALID FOR: 5 YEARS YES ☒ NO
		DISTRIBUTION DEVICE:	D-Box		NO EXPIRATION YES ☐ NO ☒

* Do not install when wet.
* Risers on tank

IMPROVEMENT PERMIT
FOR: **Jenea Garland**
ISSUED BY: **Alumnus Cooney**
DATE: **4-16-2020**

CONSTRUCTION AUTHORIZATION FOR IMPROVEMENT PERMIT# **2226**
Unless otherwise indicated, the same conditions above apply regarding system type, layout, location and installation requirement.
(The wastewater system cannot be installed until authorization is signed)
Comments: **Contractor to establish & follow contour.**

Date: **4-16-2020** Environmental Health Specialist: **Alumnus Cooney**
Construction Authorization Addendum ☒ Yes ☐ No

OPERATION PERMIT
DATE:
SYSTEM INSTALLED BY:
ISSUED BY:
PERFORMANCE, MONITORING, MAINTENANCE AND OPERATION
AS REQUIRED BY RULE .1961

Granville-Vance District Health Department
Environmental Health

Pin _____

Permit Number 5-2226

☒ Improvement Permit

☒ Construction Authorization

W-3192

Site Sketch

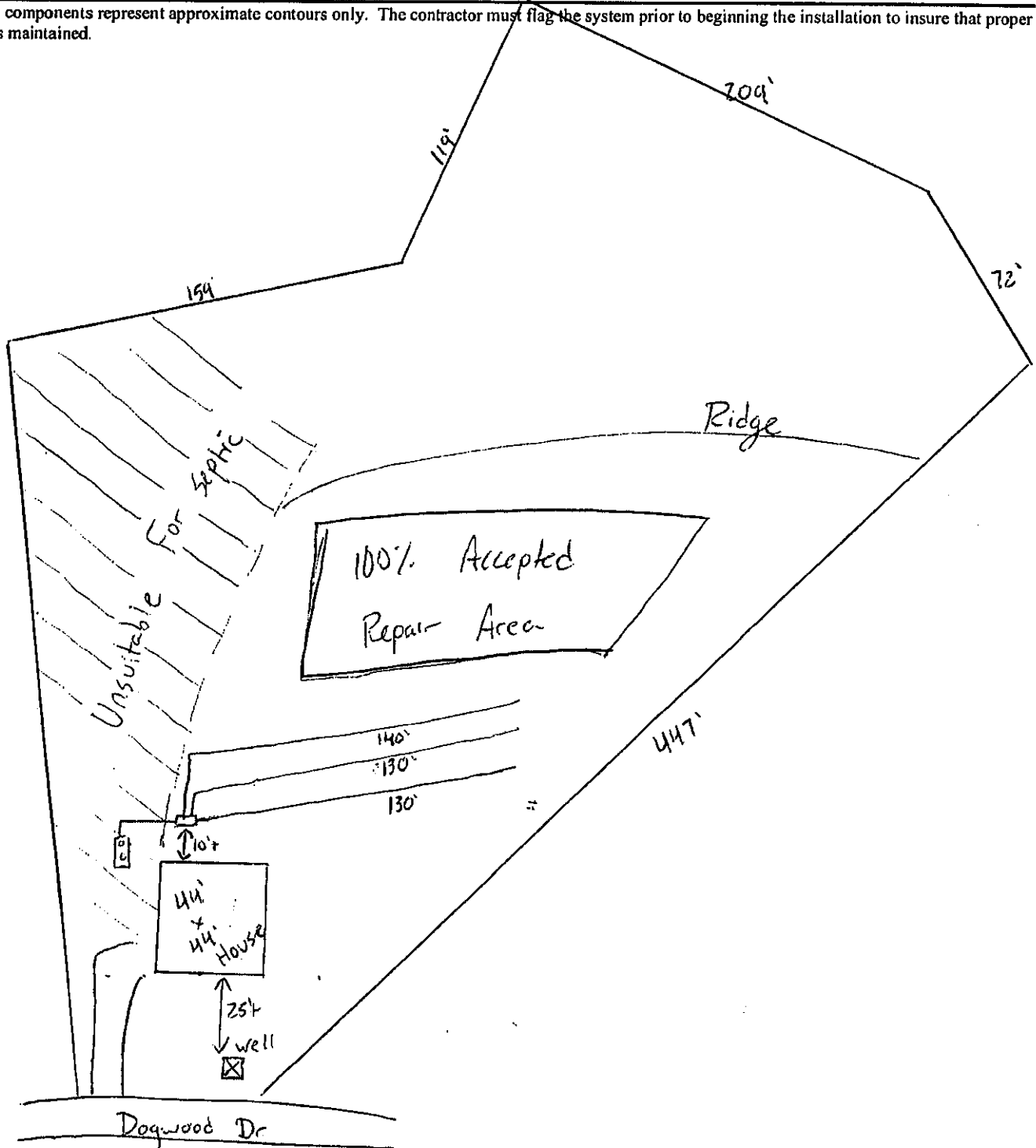
Jenea Garland
Applicants Name

Shelton Hills - 86
Subdivision - Section - Lot

Adrian L. L. L.
Authorized State Agent

4-16-2020
Date

System components represent approximate contours only. The contractor must flag the system prior to beginning the installation to insure that proper grade is maintained.



Granville - Vance District Health Department

Environmental Health

Well Construction Permit

3192

Owner/Applicant: Jenea Graceland

Address or Location of Property: 1556 Dogwood Dr

Date: 4-16-2020

Subdivision & Lot #: Shelton Hills / 86

Septic Permit #: 2226

Zoning Permit #: 21714

Environmental Health Specialist: AWC

This well permit is to locate and site the area that a private groundwater well may be established on the property listed above by the Environmental Health Specialists of Granville County. If one does not locate the well in the approved area and complete the well as specified by the 15A NCAC .02C rules, then permits may be revoked. At completion of drilling of the well, grout must be witnessed by EHS and a well log turned into Environmental Health.

Minimum Setbacks: (these are the main setbacks, but not all required setbacks)

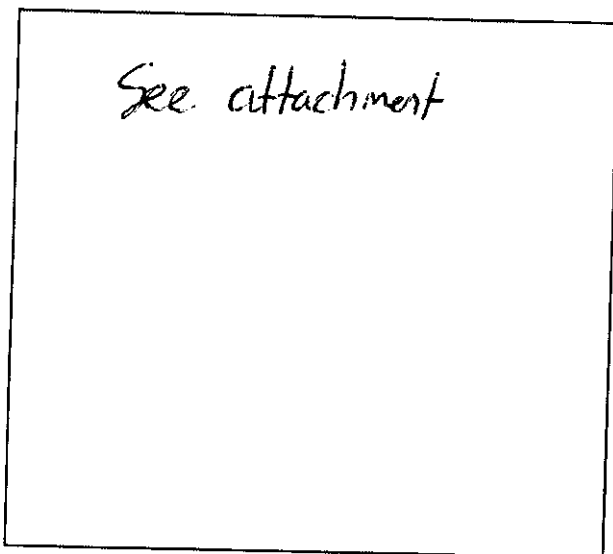
Setback from property lines – 10 ft

Setback from septic tank and drain field, including repair area – 100 ft

Setback from structural foundations – 25 ft

Setback from ponds, lakes or other bodies of water – 50 ft

Site Sketch:



Conditions:

Authorized Agent: Antony C. [Signature]

Date: 4-16-2020

1 Well Grout: (Circle or write in)

Witnessed: Yes or No EHS Agent: _____

Date: _____ Annular Space Open: Yes or No

Over reamed: Yes or No Depth Grouted: _____

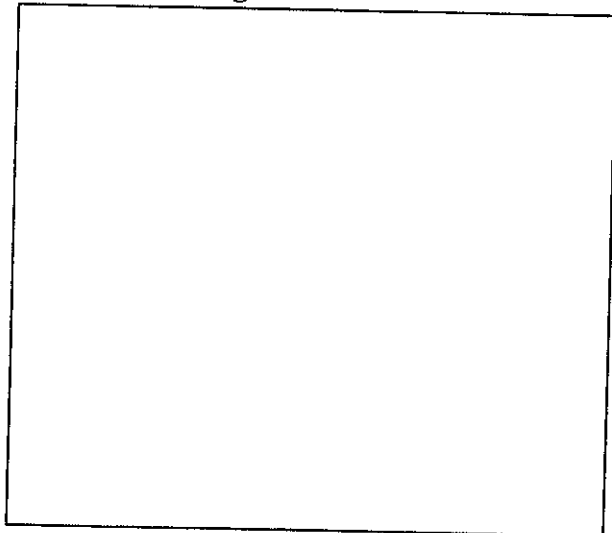
Method: _____ Pump _____ Poured _____ Pressure

Well Log received: Yes or No (EHS to Attach to Permit)

Driller Name: _____ Cert. # _____

Depth: _____ Casing Depth: _____ GPM: _____

As Built Drawing:



2 Well Final: (Place a check mark when finalized)

Seal Present and Intact: _____ Air Vent: _____

Hose Spigot: _____ Electrical Box: _____

Pump Installer Tag: _____ Well Installer Tag: _____

All holes sealed: _____ 12" above grade: _____

Comments:

3 Well Completion Permit: _____ EHS

Date Completed: _____

4 Water Samples Taken: Date: _____

EHS: _____ Results: _____

Retest: _____ Results: _____

Granville-Vance District Health Department
Environmental Health

Pin _____

Permit Number

5-2226

☒ Improvement Permit

☒ Construction Authorization

W-3192

Site Sketch

Jenea Garland

Applicants Name

Shelton Hills - 86

Subdivision - Section - Lot

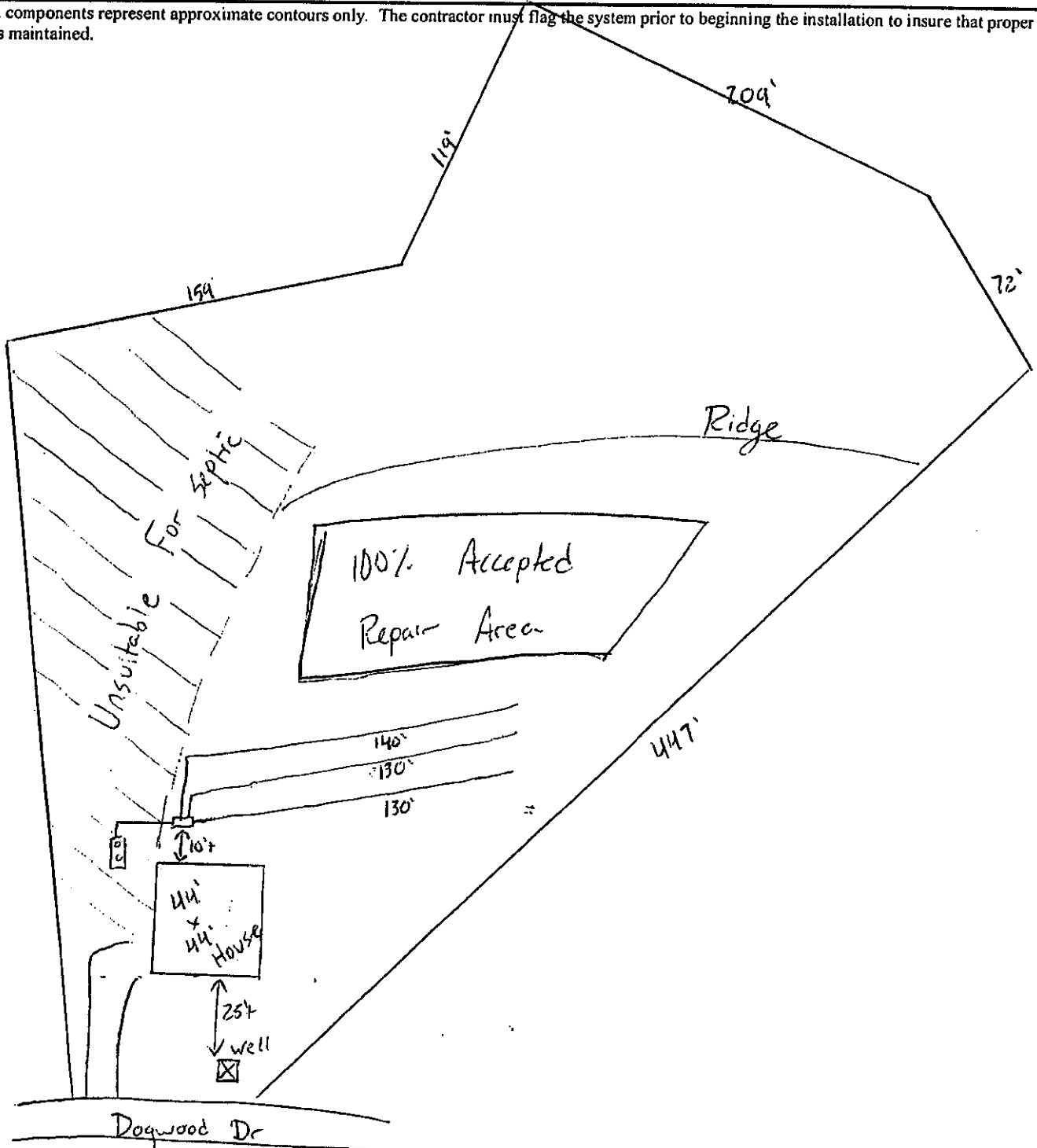
Authorized State Agent

Authorized State Agent

4-16-2020

Date

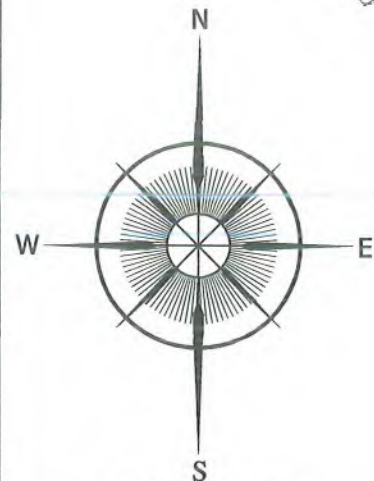
System components represent approximate contours only. The contractor must flag the system prior to beginning the installation to insure that proper grade is maintained.





LEGEND

Existing Iron Pipe ●
New Iron Pipe ○
Mathematical Point x



NC GRID NORTH
NAD 83(2011)

CURVE
CHORD N32°11'44" E
CHORD 65.03'
RADIUS 350.00'
ARC LENGTH 65.12'
TANGENT 32.66'
DELTA 10°39'38"

NOTE PLAT CHORD
DISTANCE = 66.45'

FLOOD NOTE

MAP BOOK 11 PAGE 162 (1988) INDICATES APPROXIMATE 100
YEAR FLOOD PLAIN ALONG WINGATE CREEK.

CURRENT FLOOD MAP NUMBER 3720098300 J WITH AN
EFFECTIVE DATE OF 04/16/2027 INDICATES THE LOT IS IN 'ZONE
X' MINIMAL FLOOD RISK.

SITE ADDRESS
1556 DOGWOOD DR., OXFORD, NC 27312
MAILING ADDRESS
18 JORDAN DR., PITTSBORO, NC 27312

SETBACKS PER
PLAT BOOK 11 PAGE 162
50' FRONT
25' REAR
15' SIDE



I, Douglas R. Yarbrough certify that this map was drawn
under my supervision from an actual survey made under
my supervision deed description recorded in
Deed Book 2077 Page 727 or others as referenced; that
the boundaries not surveyed are indicated as drawn from
information in deeds as indicated or other reference;
that the ratio of precision is 1:10,000; and this map
meets the standards of practice for Land Surveying in
North Carolina (21 NCAC 56.1600)

This 05th Day of August, 2026.

Douglas R. Yarbrough 08/05/2026
Douglas R. Yarbrough, Professional Land Surveyor L-3395

I, Douglas R. Yarbrough, PLS, certify that this map was
drawn under my supervision from an actual GPS survey
made under my supervision and the following
information was used to perform the survey:

- (1) Class of survey: CLASS A
- (2) Positional accuracy: 0.10'
- (3) Type of GPS field procedure: REAL TIME KINEMATIC
- (4) Dates of survey: August 03, 2026
- (5) Datum/Epoch: NAD 83(2011)
- (6) Published/Fixed-control use: LOCAL CORS STATIONS (VRS)
- (7) Geoid model: CONTINENTAL NGS2018.gsb
- (8) Combined grid factor(s): 1.00002928 GROUND TO GRID
- (9) Units: US SURVEY FEET

BOUNDARY MONUMENTS AND
STATE PLANE COORDINATES
NAD 93(2011)

'A' EXISTING NAIL IN ASPHALT
NORTHING 935936.05
EASTING 2083298.24

'B' NEW #5 REBAR SET
NORTHING 935376.04
EASTING 2083327.76

'C' EXISTING #5 REBAR
NORTHING 935206.59
EASTING 2083577.86

'D' EXISTING 1.25" OPEN
TOP IRON PIPE
NORTHING 934878.33
EASTING 2083299.04

'E' EXISTING 3/4" OPEN
TOP IRON PIPE
NORTHING 935296.05
EASTING 2083267.03

KATHY M. ADCOCK
DEED BOOK 1476 PAGE 676
LOT 87, PLAT BOOK 11 PAGE 162
MAP NUMBER 0983-35-2007

MILDRED O. PAGE
PATRICK OAKLEY
CLIFTON OAKLEY
ILA O. SATTERFIELD
VERTELIA O. GREGORY
CHARLES OAKLEY
DEED BOOK 215 PAGE 727
MAP NUMBER 0983-34-3359

LOT 86
SHELTON HILLS
PHASE IV-B
PB 11 PG 162
2.70 ACRES±
MAP NUMBER
0983-35-3099

NORTHWEST TOP
OF BANK OF
WINGATE CREEK
LOCATED

ADJOINER'S
ENCROACHING
UTILITY BUILDING
ELECTRICAL OUTLET

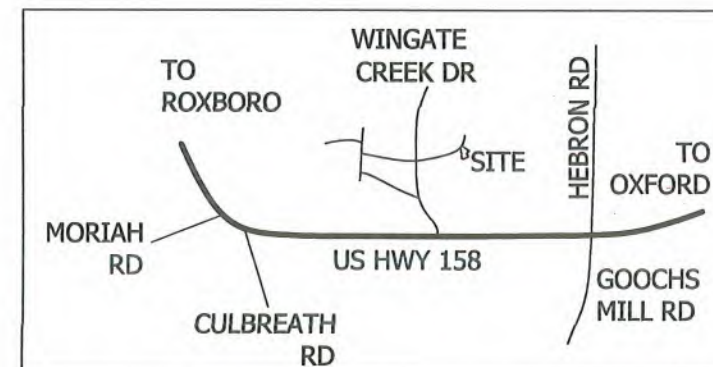
LINE	TABLE
Line #	Bearing Distance
L-1	S 29°02'15" W 158.88'
L-2	S 25°49'30" E 119.16'
L-3	S 62°27'50" W 209.20'
L-4	N 81°09'54" W 72.47'

LINES L1, L2, L3, & L4.
WITNESS LINE ALONG
RUN OF CREEK AS
DEPICTED ON PLAT
BOOK 11 PAGE 162

CENTERLINE OF WINGATE CREEK
ACTUAL PROPERTY LINE

MILDRED O. PAGE
PATRICK OAKLEY
CLIFTON OAKLEY
ILA O. SATTERFIELD
VERTELIA O. GREGORY
CHARLES OAKLEY
DEED BOOK 215 PAGE 727
MAP NUMBER 0983-34-3359

CENTERLINE OF WINGATE CREEK
ACTUAL PROPERTY LINE



EXISTING BOUNDARY SURVEY FOR JEFF VAUGHAN AND WIFE CHRISTENE MARIE VAUGHAN

WALNUT GROVE TOWNSHIP

GRANVILLE COUNTY

NORTH CAROLINA

DATE 08/05/26

SCALE 1" = 100'



LANDMARK SURVEYING, INC.

109 E. HARDEN STREET

GRAHAM, N.C. 27253

FIRM LICENSE # C-0862 TELEPHONE: 336-229-6275 EMAIL: dylandmark@triad.rr.com

FILE 260703

DISC D260703

SURVEY BY

MDM

DWG BY

DMcP

APP'D BY

DRY



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

8/21/2026

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 FAX (A/C, No): 919-556-8758 E-MAIL ADDRESS: connie@hn-ins.com
INSURED Agri-Waste Technology Inc 1225 Crescent Green, Suite 250 Cary NC 27518	INSURER(S) AFFORDING COVERAGE INSURER A: Accident Fund INSURER B: Evanston Insurance Company INSURER C: SELECTIVE INSURANCE COMPANY INSURER D: INSURER E: INSURER F:
License#: 1000009111 AGRITEC-01	NAIC # 10166 35378 39926

COVERAGES**CERTIFICATE NUMBER:** 1724414998**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
C	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☐ LOC OTHER:			S 2253659	1/18/2026	1/18/2027	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 \$
C	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☒ HIRED AUTOS ONLY ☒ NON-OWNED AUTOS ONLY			S 2253659	1/18/2026	1/18/2027	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
C	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE DED RETENTION \$			S 2253659	1/18/2026	1/18/2027	EACH OCCURRENCE \$ 2,000,000 AGGREGATE \$ 2,000,000 \$
A	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	AFWCP10000307205	1/18/2026	1/18/2027	☒ 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
B C	Prof & Pollution Liability Leased & Rented			MKL V2ENV105843 S 2253659	8/22/2026 1/18/2026	8/22/2027 1/18/2027	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**

For Information Only
***Contact Agency
for Specific Holder
Wording***

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

© 1988-2015 ACORD CORPORATION. All rights reserved.

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 July through August 2026
PROPOSED FACILITY: Single Family Residence PROPOSED DESIGN FLOW (.1949): 600GPD PROPERTY SIZE: 2.70ac
LOCATION OF SITE: 1556 Dogwood Drive, 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	0-4%	A 0-5"	SL; Gr	NS; NP; VFr	10YR 4/3	48"			Suitable
		E 5-9"	SL; Gr	NS; NP; VFr	10YR 7/4				0.3GPD/ft2
		Bt1 9-48"	C; SBK	S; P; Fi	5YR 5/8				
4, 5	0-4%	A 0-5"	SL; Gr	NS; NP; VFr	10YR 4/3	42"			Suitable
		Bt1 5-42"	C; SBK	S; P; Fi	2.5YR 4/8				0.3GPD/ft2

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	0.3GPD/Ft²	0.3GPD/ Ft²	

COMMENTS: Some mottles in Bt1 in bottom 6-10", 10YR 7/8 and 10R 4/8.

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) EXP (Expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)				M (Massive)
D (Drainage Way)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		CR (Crumb)
DS (Debris Slump)		L (Loam)				GR (Granular)
FP (Flood Plain)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		SBK (Subangular Blocky)
FS (Foot Slope)		SiCL (Silty Clay Loam)				ABK (Angular Blocky)
H (Head Slope)		CL (Clay Loam)				PL (Platy)
L (Linear Slope)		SCL (Sandy Clay Loam)				PR (Prismatic)
N (Nose Slope)		SiL (Silt Loam)				
R (Ridge)		SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05		
S (Shoulder Slope)	IV	SiC (Silty Clay)				
T (Terrace)		C (Clay)	None	None		
		O (Organic)				

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

MOIST	WET
--------------	------------

VFR (Very Friable)	NS (Non-sticky)
FR (Friable)	SS (Slightly Sticky)
FI (Firm)	S (Sticky)
VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
EFI (Extremely Firm)	NP (Non-plastic)
	SP (Slightly Plastic)
	P (Plastic)
	VP (Very Plastic)

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).

