



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

Tarboro Rd.
Youngsville, NC 27596
Franklin County PIN: 005232

Prepared For:	Chris Wise and P.D. Hill, Client
Prepared By:	Jeff Vaughan, Ph.D., L.S.S. Senior Agronomist/Soil Scientist Brent Purdum, Associate Soil Scientist
Report Date:	March 31, 2026



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Tarboro Rd. Youngsville, NC 27596 (Franklin County Parcel: 005232)**

PREPARED FOR: Chris Wise and P.D. Hill

PREPARED BY: Jeff Vaughan
Brent Purdum

DATE: March 31, 2026

Soil suitability for domestic sewage treatment and disposal systems was evaluated on December 10, 2025, for property located at Tarboro Rd. Youngsville, NC. Trent Bostic, Connor Britt, Jordan Harris, Kyle Scavo, and Brent Purdum of Agri-Waste Technology, Inc. (AWT) conducted the soil evaluation. A detailed explanation of the soil evaluation will follow. Property reference maps are in Attachment 1.

The total property area evaluated is approximately 90.38 acres. The property is mostly wooded with several drainage features. There are a few fields throughout the property (Attachment 2).

Soil Suitability for Domestic Sewage Treatment and Disposal Systems

The aerial map in Attachment 2 details the approximate property boundaries, soil boring locations, soil types, and soil areas for septic systems. Numerous soil borings were advanced on the property (Attachment 2). A portion of the property contained drainage features, complex topography, and/or unsuitable soils and, thus, are unsuitable for septic systems. However, this evaluation was merely a preliminary review to determine what potential this land might have for domestic sewage treatment and disposal systems. Therefore, specific types of septic systems, exact locations of future drainfields and repair areas, plus buffers from property lines (current and potential future lot lines), building foundations, wells, etc. are not fully considered. These things will need to be more fully considered as the plans develop for the potential future of this site. It is possible that additional soil evaluations will be required once lot layouts are considered and developed for this property so that septic system types and the location of a septic drainfield can be more fully and appropriately considered.

Area 1 exhibited soil characteristics and soil depths (13" or greater) that is suitable for pre-treatment drip septic systems. The area is approximately 73,050sqft.

Area 2 exhibited soil characteristics and soil depths (13" or greater) that is suitable for pre-treatment drip septic systems. The area is approximately 237,540sqft.

Area 3 exhibited soil characteristics and soil depths (15" or greater) that is suitable for pre-treatment drip septic systems. The area is approximately 746,822sqft.

Area 4 exhibited soil characteristics and soil depths (18" or greater) that is suitable for drip septic systems. The area is approximately 115,138sqft.

Area 5 exhibited soil characteristics and soil depths (13" or greater) that is suitable for pre-treatment drip septic systems. The area is approximately 36,819sqft.

Area 6 exhibited soil characteristics and soil depths (18" or greater) that is suitable for drip septic systems. The area is approximately 764,032sqft.

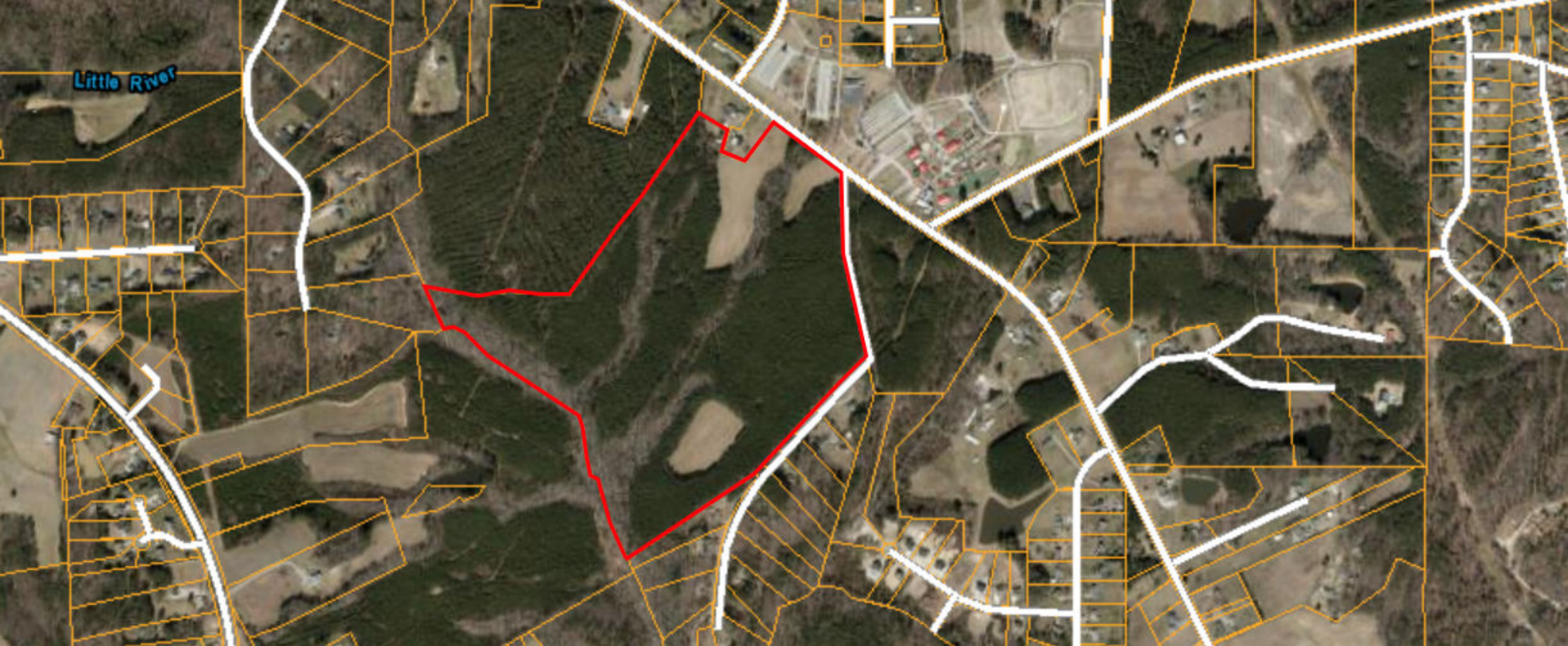
The land area required for a subsurface drip septic system is calculated based on the size of the proposed facility and the Long-Term Acceptance Rate (LTAR) of the soil. The LTAR range for the suitable soils on this property is 0.05 – 0.1 GPD/ft² based on the most restrictive soil texture in the subsoil. The LTAR suggested by AWT for most of the subsurface drip suitable soil is 0.1 GPD/ft², but the final LTAR for specific septic system types and septic drainfield locations will be set by the designated permitting authority. Generally, 11,000 ft² of suitable soil for drip septic systems is required for a 3-bedroom home. The detailed computations are in Attachment 5.

Conclusions

Based on the results of this evaluation, the installation of sub-surface drip systems and sub-surface drip systems with pre-treatment seems very probable on this property in the areas designated on the map in Attachment 2. A detailed site plan, additional fieldwork, and design will be needed to permit these systems.

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

ATTACHMENT 1: Property Reference Map



Little River

**ATTACHMENT 2: Property Map Detailing Soil Suitability
for Septic Systems and Soil Types**



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Preliminary Soil Evaluation Updated

Chris Wise and P.D. Hill
Franklin Co., NC
PIN: 005232

GIS Acres: ~90.38



Area for Septic:

Area 1: ~ 73,050 sq. ft.
Area 2: ~ 237,540 sq. ft.
Area 3: ~ 746,822 sq. ft.
Area 4: ~ 115,138 sq. ft.
Area 5: ~ 36,819 sq. ft.
Area 6: ~ 764,032 sq. ft.

Soil Types:

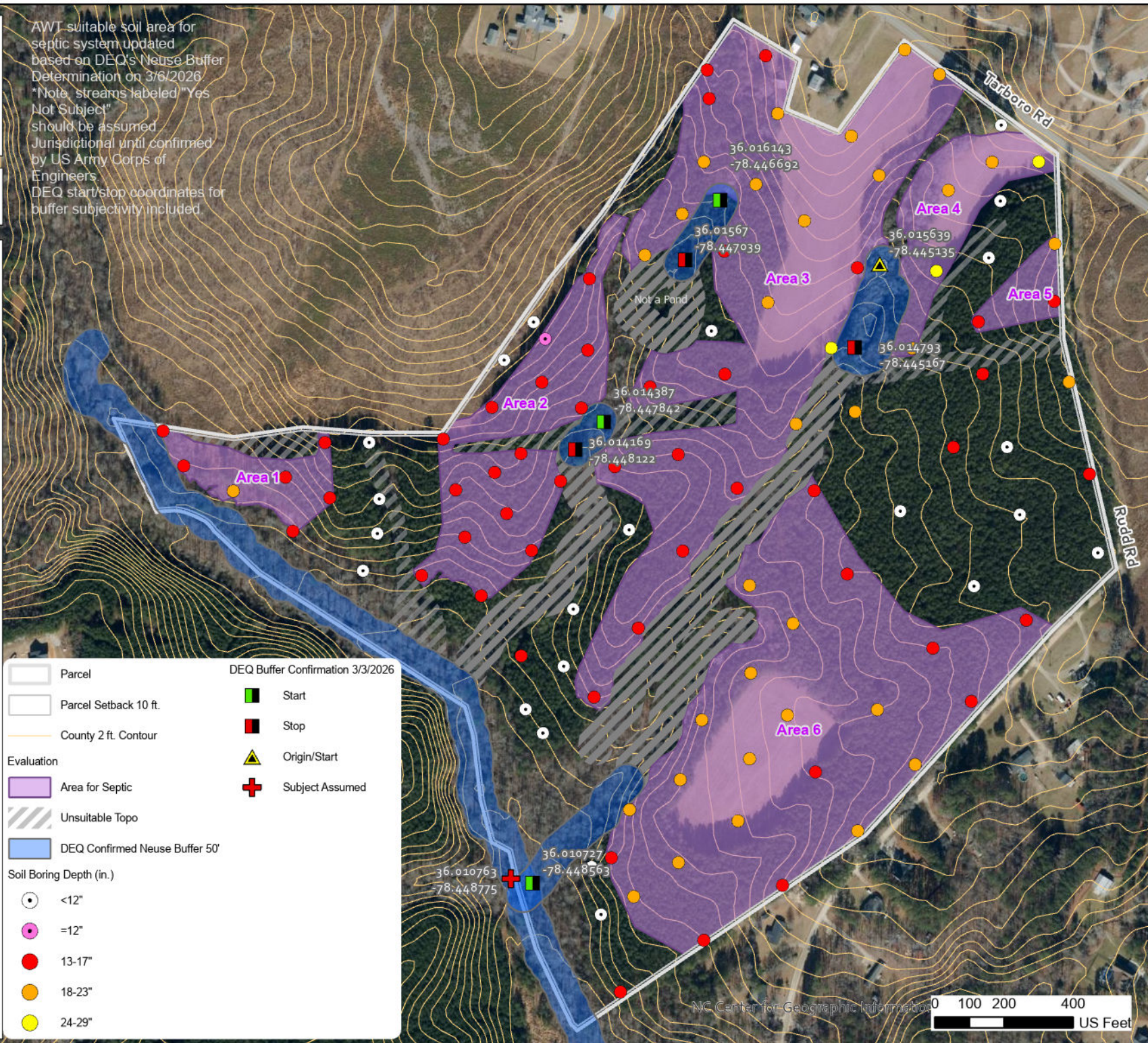
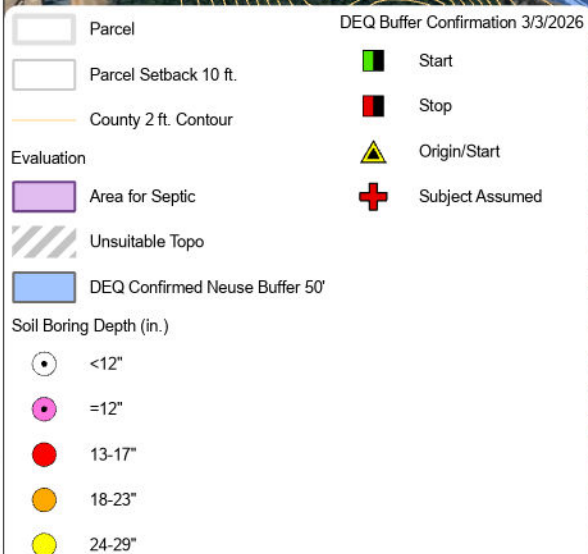
ApB: Appling loamy sand
ChA: Chewacla and
Wehadkee soils
HeB: Helena sandy loam
WeB, WeC: Wedowee sandy
loam

Notes:

In Neuse Riparian Buffer

Drawn by: Julie Davidson
Reviewed by: Brent Purdum
Date: 3/31/2026

AWT suitable soil area for
septic system updated
based on DEQ's Neuse Buffer
Determination on 3/6/2026.
"Note: streams labeled "Yes
Not Subject"
should be assumed
Jurisdictional until confirmed
by US Army Corps of
Engineers.
DEQ start/stop coordinates for
buffer subjectivity included.





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Area 6: ~ 764,032 sq. ft.

Soil Types:

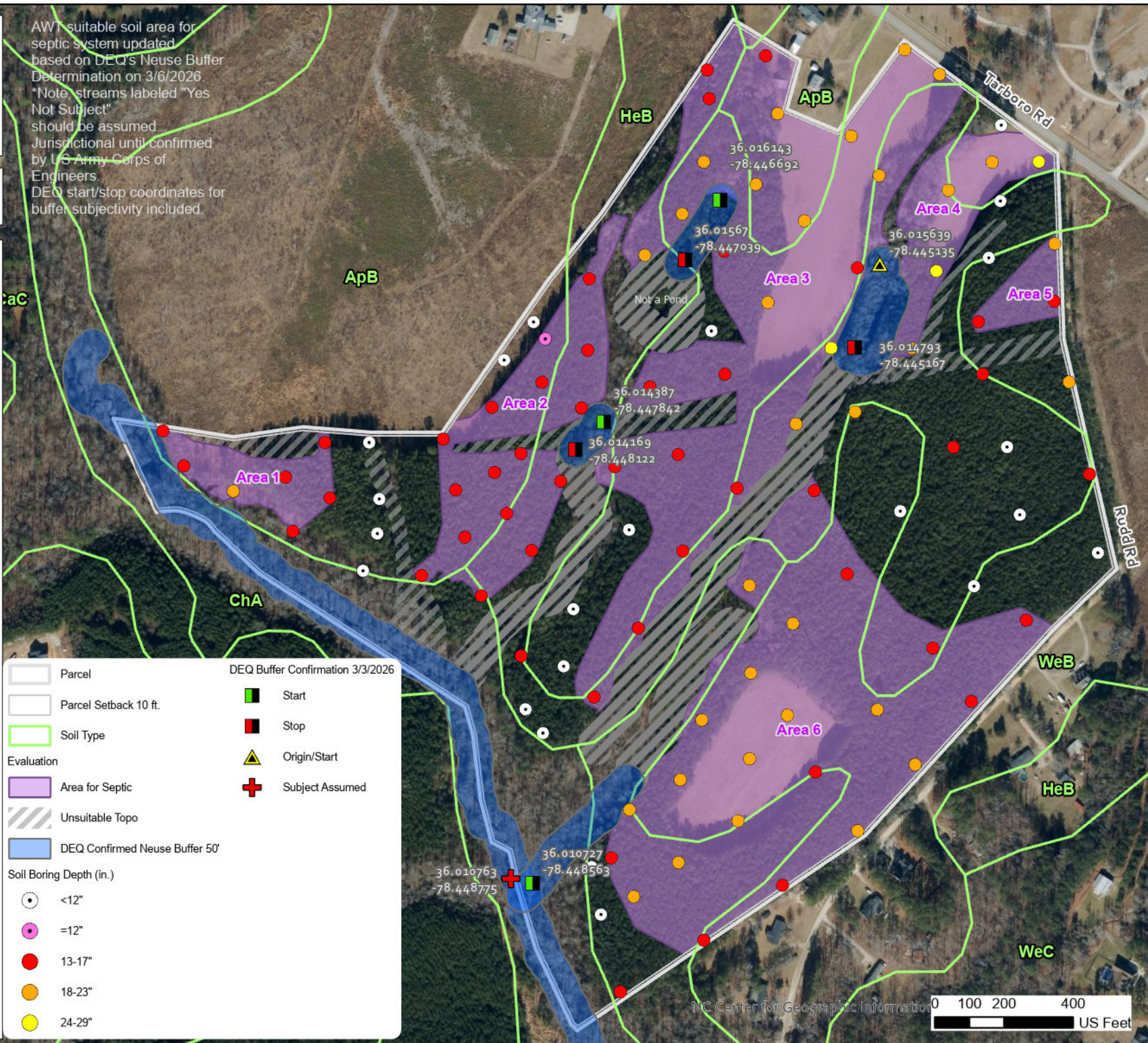
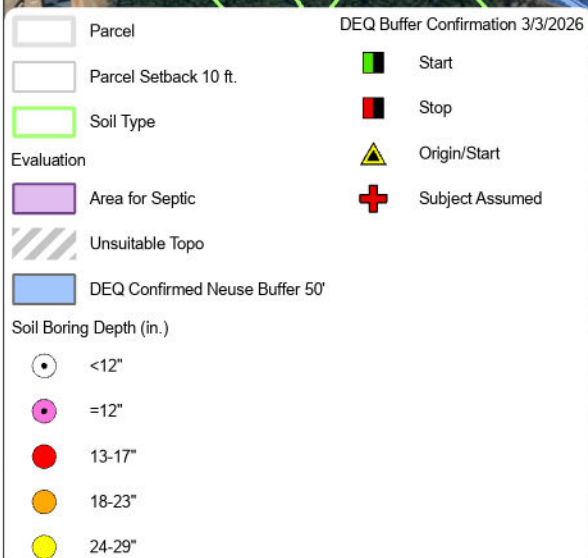
ApB: Appling loamy sand
ChA: Chewacla and
Wehadkee soils
HeB: Helena sandy loam
WeB, WeC: Wedowee sandy
loam

Notes:

In Neuse Riparian Buffer

Drawn by: Julie Davidson
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should be assumed
Jurisdictional until confirmed
by US Army Corps of
Engineers.
DEQ start/stop coordinates for
buffer subjectivity included.



NC Center for Geographic Information 0 100 200 400
US Feet

**ATTACHMENT 3: Typical Profile Descriptions of
Suitable Soil**

Property ID#: 005232
Property Recorded: _____
County: Franklin

**SOIL/SITE EVALUATION
FOR
ON-SITE WASTEWATER SYSTEM**

Applicant: Chris Wise and P.D. Hill
Address: 3025 Davenport Ln.
Raleigh, NC 27613

Phone: (919) 749-0218
Date Evaluated: 12/15/2025
Proposed Facility: Residential
Property Size: Approximately 90.38 acres

Location Site: Tarboro Rd. Youngsville, NC 27596

Water Supply: On Site Well X Comm. Well ___ Public ___ Other ___

Evaluation Method: Auger Boring X Pit ___ Cut ___

TYPICAL PROFILE

Horizon/ Depth (IN)	Matrix	Mottles	Mottle Abundance / Contrast	.0503 Texture	.0503 Structure	.0503 Minerology	.0504 Consistence Wet	Consistence Moist
A 0-4"	10YR 4/2	None	None	SL	GR	NEXP	NS, NP	Vfr
E 4-12"	10YR 6/4	None	None	SL	GR	NEXP	NS, NP	Vfr
Bt1 12-18"	7.5YR 6/6	None	None	C	SBK	SEXP	S, P	Fi
Bt2 18+"	7.5YR 6/6	7.5YR 7/2; 2.5YR 5/8	2, m, D	C	SBK	SEXP	S, P	Fi

.0503 Landscape Pos/Slope %	- Suitable, <15%	Profile LTAR	- 0.1 GPD/ft ²
.0504 Wetness Condition	- Suitable	System Type	- Suitable for drip systems due to texture, structure, and depth.
.0506 Saprolite	- Suitable		
.0507 Restrictive Horizon	- Suitable		
.0509 Profile Classification	- Suitable		

Comments: This profile represents Areas 3, 4, and 8

TYPICAL PROFILE

Horizon/ Depth (IN)	Matrix	Mottles	Mottle Abundance / Contrast	.0503 Texture	.0503 Structure	.0503 Minerology	.0504 Consistence Wet	Consistence Moist
A 0-4"	10YR 5/2	None	None	SL	GR	NEXP	NS, NP	Vfr
E 4-8"	10YR 6/3	None	None	SL	GR	NEXP	NS, NP	Vfr
Bt1 8-13"	10YR 6/6	None	None	C	SBK	SEXP	S, P	Fi
Bt2 13-16"	10YR 6/6	10YR 6/2; 2.5YR 5/8	2, m, D	C	SBK	SEXP	S, P	Fi

.0503 Landscape Pos/Slope %	- Suitable, <15%	Profile LTAR	- 0.1 GPD/ft ²
.0504 Wetness Condition	- Suitable	System Type	- Suitable for drip systems due to texture, structure, and depth.
.0506 Saprolite	- Suitable		
.0507 Restrictive Horizon	- Suitable		
.0509 Profile Classification	- Suitable		

Comments: This profile represents Areas 6 and 7

TYPICAL PROFILE

Horizon/ Depth (IN)	Matrix	Mottles	Mottle Abundance / Contrast	.0503 Texture	.0503 Structure	.0503 Minerology	.0504 Consistence Wet	Consistence Moist
A 0-4"	10YR 5/2	None	None	SL	GR	NEXP	NS, NP	Vfr
E 4-8"	10YR 6/3	None	None	SL	GR	NEXP	NS , NP	Vfr
Bt1 8-13"	7.5YR 5/6	None	None	C	SBK	SEXP	S, P	Fi
Bt2 13-16"	7.5YR 5/6	7.5YR 7/2; 2.5YR 5/8	2, m, D	C	SBK	SEXP	S, P	Fi

.0503 Landscape Pos/Slope %	- Suitable, <15%	Profile LTAR	- 0.1 GPD/ft ²
.0504 Wetness Condition	- Suitable	System Type	- Suitable for drip systems due to texture, structure, and depth.
.0506 Saprolite	- Suitable		
.0507 Restrictive Horizon	- Suitable		
.0509 Profile Classification	- Suitable		

Comments: This profile represents Areas 1, 2, and 5

EVALUATED BY: Trent Bostic, Brent Purdum, Kyle Scavo, Jordan Harris, Connor Britt, and Brent Purdum

COMMENTS: _____

LEGEND OF ABBREVIATIONS FOR SITE EVALUATION FORM

<u>LANDSCAPE POSITION</u>	<u>TEXTURE GROUP</u>	<u>TEXTURE CLASS</u>	<u>.1955 LTAR</u> (gal/day/sqft)
CC - Concave Slope CV - Convex Slope DS - Debris Slump D - Depression DW - Drainage Way FP - Flood Plain FS - Foot Slope H - Head Slope I - Interflueve L - Linear Slope N - Nose Slope P - Pocosin R - Ridge S - Shoulder T - Terrace	I	S - Sand LS - Loamy Sand	1.2 - .08
	II	SL - Sandy Loam L - Loam	0.8 - 0.6
	III	SCL - Sandy Clay Loam CL - Clay Loam SiL - Silt Loam Si - Silt SiCL - Silt Clay Loam	0.6 - 0.3
	IV	SC - Sandy Clay C - Clay SiC - Silty Clay O - Organic	0.4 - 0.1
<u>STRUCTURE</u>	<u>MOIST CONSISTENCE</u>	<u>MOTTLES</u>	<u>WET CONSISTENCE</u>
G - Single Grain M - Massive CR - Crumb GR - Granular SBK - Subgranular Blocky ABK - Angular Blocky PL - Platy PR - Prismatic	Vfr - Very Friable Fr - Friable Fi - Firm Vfi - Very Firm Efi - Extremely Firm	1 - Few 2 - Common 3 - Many F - Faint D - Distinct P - Prominent f - Fine m - Medium c - Coarse	NS - Non Sticky SS - Slightly Sticky S - Sticky VS - Very Sticky NP - Non Plastic SP - Slightly Plastic P - Plastic VP - Very Plastic

ATTACHMENT 4: Soil Survey Information

Table 11.—Sanitary Facilities

(Some terms that describe restrictive soil features are defined in the Glossary. See text for definitions of "slight," "fair," and other terms. The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation)

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
AaA----- Altavista	Severe: wetness.	Severe: wetness.	Severe: wetness, too acid.	Severe: wetness.	Poor: too acid.
ApB----- Appling	Moderate: percs slowly.	Moderate: seepage, slope.	Moderate: too clayey.	Slight-----	Fair: too clayey, hard to pack.
CaB----- Cecil	Moderate: percs slowly.	Moderate: seepage, slope.	Moderate: too clayey.	Slight-----	Fair: too clayey, hard to pack.
CaC----- Cecil	Moderate: percs slowly, slope.	Severe: slope.	Moderate: slope, too clayey.	Moderate: slope.	Fair: too clayey, hard to pack, slope.
CeB2----- Cecil	Moderate: percs slowly.	Moderate: seepage, slope.	Moderate: too clayey.	Slight-----	Fair: too clayey, hard to pack.
ChA*: Chewacla-----	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Poor: hard to pack, wetness.
Wehadkee-----	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Severe: flooding, wetness.	Poor: wetness, thin layer.
DuA----- Duplin	Severe: wetness.	Severe: wetness.	Severe: wetness.	Severe: wetness.	Fair: too clayey, hard to pack, wetness.
GeB----- Georgeville	Moderate: percs slowly.	Moderate: seepage, slope.	Moderate: too clayey.	Slight-----	Fair: too clayey, hard to pack.
GeC, GgC----- Georgeville	Moderate: percs slowly, slope.	Severe: slope.	Moderate: slope, too clayey.	Moderate: slope.	Fair: too clayey, hard to pack, slope.
GhB, GkB2----- Georgeville	Moderate: percs slowly.	Moderate: seepage, slope.	Moderate: too clayey.	Slight-----	Fair: too clayey, hard to pack.
GmD*: Georgeville-----	Moderate: percs slowly, slope.	Severe: slope.	Moderate: slope, too clayey.	Moderate: slope.	Fair: too clayey, hard to pack, slope.

See footnote at end of table.

Table 11.—Sanitary Facilities—Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
GmD*:					
Montonia-----	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock.	Severe: depth to rock.	Poor: depth to rock, small stones.
GmE*:					
Georgeville-----	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Poor: slope.
Montonia-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, small stones, slope.
HeB-----	Severe: wetness, percs slowly.	Moderate: slope.	Severe: wetness, too clayey, too acid.	Moderate: wetness.	Poor: too clayey, hard to pack, too acid.
HrB-----	Moderate: percs slowly.	Moderate: seepage, slope.	Moderate: too clayey.	Slight-----	Fair: too clayey, hard to pack.
HrC-----	Moderate: percs slowly, slope.	Severe: slope.	Moderate: slope, too clayey.	Moderate: slope.	Fair: too clayey, hard to pack, slope.
PaC2, PaD2-----	Moderate: percs slowly, slope.	Severe: slope.	Moderate: slope.	Moderate: slope.	Fair: too clayey, slope.
PuC*:					
Pacolet-----	Moderate: percs slowly.	Moderate: seepage, slope.	Slight-----	Slight-----	Fair: too clayey.
Urban land-----	Variable-----	Variable-----	Variable-----	Variable-----	Variable.
RaA*:					
Rains-----	Severe: wetness.	Severe: wetness.	Severe: wetness.	Severe: wetness.	Poor: wetness.
Toisnot-----	Severe: cemented pan, wetness.	Severe: seepage, cemented pan.	Severe: wetness.	Severe: cemented pan, wetness.	Poor: cemented pan, wetness.
ReD*:					
Rion-----	Moderate: slope.	Severe: seepage, slope.	Severe: seepage.	Severe: seepage.	Fair: too clayey, slope.
Wateree-----	Severe: depth to rock.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage.	Severe: depth to rock, seepage.	Poor: depth to rock.
Wedowee-----	Moderate: percs slowly, slope.	Severe: slope.	Moderate: slope.	Moderate: slope.	Fair: small stones, slope.

See footnote at end of table.

Table 11.—Sanitary Facilities—Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
RmA*:					
Riverview-----	Severe: flooding, wetness.	Severe: seepage, flooding, wetness.	Severe: flooding, seepage, wetness.	Severe: flooding, seepage, wetness.	Fair: thin layer.
Buncombe-----	Severe: flooding, poor filter.	Severe: seepage, flooding.	Severe: flooding, seepage, too sandy.	Severe: flooding, seepage.	Poor: seepage, too sandy.
RoA*:					
Roanoke-----	Severe: flooding, wetness, percs slowly.	Severe: seepage, flooding.	Severe: flooding, seepage, wetness.	Severe: flooding, wetness.	Poor: too clayey, hard to pack, wetness.
Wahee-----	Severe: flooding, wetness, percs slowly.	Severe: flooding.	Severe: flooding, wetness, too clayey.	Severe: flooding, wetness.	Poor: too clayey, hard to pack, wetness.
RwC*:					
Rock outcrop-----	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Poor: depth to rock.
Wake-----	Severe: depth to rock.	Severe: seepage, depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Poor: depth to rock, seepage, small stones.
StA-----	Moderate: flooding, wetness, percs slowly.	Severe: seepage.	Severe: seepage, wetness.	Moderate: flooding, wetness.	Fair: too clayey, thin layer.
TaD-----	Moderate: depth to rock, percs slowly, slope.	Severe: slope.	Severe: depth to rock, too clayey.	Moderate: depth to rock, slope.	Poor: too clayey, hard to pack.
TaE-----	Severe: slope.	Severe: slope.	Severe: depth to rock, slope, too clayey.	Severe: slope.	Poor: too clayey, hard to pack, slope.
Ud-----	Variable-----	Variable-----	Variable-----	Slight-----	Variable.
Udorthents					
VaB-----	Severe: percs slowly.	Moderate: slope.	Severe: too clayey.	Slight-----	Poor: too clayey, hard to pack.
VaC-----	Severe: percs slowly.	Severe: slope.	Severe: too clayey.	Moderate: slope.	Poor: too clayey, hard to pack.
VgB-----	Severe: percs slowly.	Moderate: slope.	Moderate: too clayey.	Slight-----	Fair: too clayey, hard to pack, small stones.
Varina					

See footnote at end of table.

Table 11.—Sanitary Facilities—Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
VnB----- Varina	Severe: percs slowly.	Moderate: slope.	Moderate: too clayey.	Slight-----	Fair: too clayey, hard to pack.
VnC----- Varina	Severe: percs slowly.	Severe: slope.	Moderate: slope, too clayey.	Moderate: slope.	Fair: too clayey, hard to pack, slope.
WaB*: Wake-----	Severe: depth to rock.	Severe: seepage, depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Poor: depth to rock, seepage, small stones.
Saw-----	Severe: depth to rock.	Severe: seepage, depth to rock.	Severe: depth to rock, seepage.	Severe: depth to rock, seepage.	Poor: depth to rock.
WaB*: Wedowee-----	Moderate: percs slowly.	Moderate: seepage, slope.	Slight-----	Slight-----	Fair: small stones.
WbD*: Wake-----	Severe: depth to rock.	Severe: seepage, depth to rock, slope.	Severe: depth to rock.	Severe: depth to rock.	Poor: depth to rock, seepage, small stones.
Wateree-----	Severe: depth to rock.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage.	Severe: depth to rock, seepage.	Poor: depth to rock.
Wedowee-----	Moderate: percs slowly, slope.	Severe: slope.	Moderate: slope.	Moderate: slope.	Fair: small stones, slope.
WcE*: Wake-----	Severe: depth to rock, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, seepage, small stones.
Wateree-----	Severe: depth to rock, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, seepage, slope.	Poor: depth to rock, slope.
WdE*: Wateree-----	Severe: depth to rock, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, seepage, slope.	Poor: depth to rock, slope.
Rion-----	Severe: slope.	Severe: seepage, slope.	Severe: seepage, slope.	Severe: seepage, slope.	Poor: slope.

See footnote at end of table.

Table 11.—Sanitary Facilities—Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
WdE*: Wedowee-----	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Poor: slope.
WeB----- Wedowee	Moderate: percs slowly.	Moderate: seepage, slope.	Slight-----	Slight-----	Fair: small stones.
WeC, WeD----- Wedowee	Moderate: percs slowly, slope.	Severe: slope.	Moderate: slope.	Moderate: slope.	Fair: small stones, slope.
WuC*: Wedowee-----	Moderate: percs slowly.	Moderate: seepage, slope.	Slight-----	Slight-----	Fair: small stones.
Urban land-----	Variable-----	Variable-----	Variable-----	Variable-----	Variable.
Udorthents-----	Variable-----	Variable-----	Variable-----	Slight-----	Variable.
WwB*: Winnsboro-----	Severe: percs slowly.	Moderate: depth to rock, slope.	Severe: depth to rock, too clayey.	Moderate: depth to rock.	Poor: too clayey, hard to pack.
Wilkes-----	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock, too clayey.	Severe: depth to rock.	Poor: depth to rock, too clayey, hard to pack.
WwD*: Winnsboro-----	Severe: percs slowly.	Severe: slope.	Severe: depth to rock, too clayey.	Moderate: depth to rock, slope.	Poor: too clayey, hard to pack.
Wilkes-----	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock, too clayey.	Severe: depth to rock.	Poor: depth to rock, too clayey, hard to pack.
WwE*: Winnsboro-----	Severe: percs slowly, slope.	Severe: slope.	Severe: depth to rock, slope, too clayey.	Severe: slope.	Poor: too clayey, hard to pack, slope.
Wilkes-----	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope, too clayey.	Severe: depth to rock, slope.	Poor: depth to rock, too clayey, hard to pack.

* See description of the map unit for composition and behavior characteristics of the map unit.

**ATTACHMENT 5: Septic System Area Computation
Spreadsheets**

Drip Septic System Area Computation

Client Name:	Wise
Number Bedrooms:	3
Design Flow (gal/day):	360 (120 gal/day/bedroom, minimum 240 gal/day/dwelling)
LTAR (gal/day/ft ²)	0.1
Trench Bottom Area (ft ²):	3600 (Design flow/LTAR)
Trench Width (ft):	0
On-center distance between trenches (ft):	2
Trench Bottom Length (ft):	1800
Minimum Field Area Required (ft ²):	3600 (Trench Bottom Length*Trench on-center distance)
Total Field Area Required (ft ²) ⁽¹⁾ :	9000 (Minimum field area*2.5)
Total Field Area Required (ft ²) ⁽¹⁾ :	10800 (Minimum field area*3)

(1) Provides for reserve area and soil irregularity, 2.5 to 3 is multiplier.

Client Name:	Wise
Number Bedrooms:	4
Design Flow (gal/day):	480 (120 gal/day/bedroom, minimum 240 gal/day/dwelling)
LTAR (gal/day/ft ²)	0.1
Trench Bottom Area (ft ²):	4800 (Design flow/LTAR)
Trench Width (ft):	0
On-center distance between trenches (ft):	2
Trench Bottom Length (ft):	2400
Minimum Field Area Required (ft ²):	4800 (Trench Bottom Length*Trench on-center distance)
Total Field Area Required (ft ²) ⁽¹⁾ :	12000 (Minimum field area*2.5)
Total Field Area Required (ft ²) ⁽¹⁾ :	14400 (Minimum field area*3)

(1) Provides for reserve area and soil irregularity, 2.5 to 3 is multiplier.

Client Name:	Wise
Number Bedrooms:	5
Design Flow (gal/day):	600 (120 gal/day/bedroom, minimum 240 gal/day/dwelling)
LTAR (gal/day/ft ²)	0.1
Trench Bottom Area (ft ²):	6000 (Design flow/LTAR)
Trench Width (ft):	0
On-center distance between trenches (ft):	2
Trench Bottom Length (ft):	3000
Minimum Field Area Required (ft ²):	6000 (Trench Bottom Length*Trench on-center distance)
Total Field Area Required (ft ²) ⁽¹⁾ :	15000 (Minimum field area*2.5)
Total Field Area Required (ft ²) ⁽¹⁾ :	18000 (Minimum field area*3)

(1) Provides for reserve area and soil irregularity, 2.5 to 3 is multiplier.