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PIN #



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: Four Corners of Charlotte LLC  
Mailing address: 1612 Seattle Slew Court City: Waxhaw State: NC Zip: 28173  
Phone: 704-713-2602 Email: romelle03@yahoo.com

Authorized Onsite Wastewater Evaluator Information:  
Name: Larry Thompson, LSS Certification #: 10016E  
Mailing address: PO Box 541 City: Midland State: NC Zip: 28107  
Phone: 704-301-4881 Email: larry@thompsonenv.com

Site Location Information:  
Site address: Mintew Circle, Lincolnton, NC 28092  
Tax parcel identification number or subdivision lot, block number of property: PID: 75039  
Lot 27 - Lincoln Greens County: Lincoln

System Information:  
Wastewater System Type: Type IIIe - Gravity Flow PPBPS  
Daily Design Flow: 360  
Saprolite System:  Yes  No Subsurface Operator Required:  Yes  No  
Water Supply Type:  Private Well  Public Water Supply  Spring  Other: \_\_\_\_\_

Facility Type:  
 Residential 3 # Bedrooms 6 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 6th day of March, 2024 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 6th day of March, 2029.  
Signature of Authorized Onsite Wastewater Evaluator: [Signature]  
Signature of Owner or Legal Representative: [Signature]  
ramon gonzalez (Mar. 8, 2024 06:39 EST)

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: [Signature] Date: 3-21-24



# Lincoln County Environmental Health

115 W. Main Street  
Lincolnton, NC 28092  
PHONE: 704-736-8426  
FAX: 704-736-8427



## DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

Applications for permits require the "signature of the owner or owner's legal representative" (15A NCAC 18A .1937). If the owner does not sign the application himself or herself, they can submit any one of the following documents to designate their legal representative:

1. Power of Attorney
2. Real Estate Contract
3. Estate executor
4. Bankruptcy trustee
5. Court ordered guardianship

In the absence of the above documentation, the property owner may provide the local health department with documentation that designates a legal representative. A property owner may:

1. Complete this form to document his or her legal representative, or
2. Provide his or her own form that contains the information in this form.

If there are multiple property owners, then all property owners must sign the form that designates a legal representative.

By signing a form that designates a legal representative for purposes of 15A NCAC 18A .1937, the property owner authorizes that representative to act on their behalf in matters pertaining to the application and permitting process, including signing or receiving any application, document or permit. The owner retains full responsibility to meet all permit conditions specified by the local health department.

I, Four Corners of Charlotte LLC, am the legal owner(s) of the property located at Lot 27 - Lincoln Greens, Mintew Circle, Lincolnton, NC 28092, identified as PIN (Parcel Identification Number) 75039, located in Lincoln County, North Carolina.

I do hereby authorize (print legal representative/company name) Larry Thompson, LSS, Thompson Environmental Consulting, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

- Application for Improvement Permit (IP) / Authorization to Construct (AC)
- Improvement Permit (IP) / Authorization to Construct (AC)
- Application for soil-site evaluation (new/repair)
- Application/permit for private drinking water well/well abandonment
- Application for Compliance Inspection

I agree to abide by all decisions and/or conditions between the legal representative acting on my behalf and the Lincoln County Department of Public Health, Environmental Health Division.

ramon gonzalez                      Mar 6, 2024  
Signature of Owner(s)              Date

Angela Thompson                      Mar 6, 2024  
Angela Thompson (Mar 6, 2024 18:10 EST)  
Signature of Witness                      Date

### MISSION STATEMENT

The Lincoln County Health Department provides quality health services to promote a healthy community.



### VISION STATEMENT

Lincoln County Health Department services will promote healthy lifestyles through prevention, preparedness, and education.



North Carolina Onsite Wastewater Contractor Inspector Certification Board  
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Site Location Information:  
 Site address: Mintew Circle, Lincolnton, NC 28092  
 Tax parcel identification number or subdivision lot, block number of property: PID: 7039  
Lot 27 - Lincoln Greens County: Lincoln

System Information:  
 Wastewater System Type: Type IIIe - Gravity Flow PPBPS  
 Daily Design Flow: 360  
 Sapolite System:  Yes  No Subsurface Operator Required:  Yes  No  
 Water Supply Type:  Private Well  Public Water Supply  Spring  Other: \_\_\_\_\_

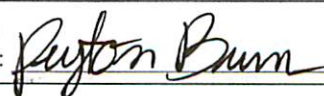
Facility Type:  
 Residential 3 # Bedrooms 6 Maximum # of Occupants  
 Business Type of Business and Basis for Flow: \_\_\_\_\_  
 Public Assembly Type of Public Assembly and Basis for Flow: \_\_\_\_\_

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 Signature of Owner or Legal Representative:  ramon.gonzalez (Mar 8, 2024 06:39 EST)

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ramon gonzalez                      Mar 6, 2024  
Signature of Owner(s)              Date

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Signature of Witness                      Date

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### VISION STATEMENT

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**Residential Subsurface Wastewater  
Treatment and Disposal System AOWE Permit**

for

**Lot 27 – Lincoln Greens  
Mintew Circle  
Lincolnton, NC 28092**

Tax Parcel Number: 7039  
March 7, 2024

**Prepared for:**

Four Corners of Charlotte LLC  
1612 Seattle Slew Court  
Waxhaw, NC 28173  
704-713-2602

**Prepared by:**

Larry Thompson, REHS, LSS  
Thompson Environmental Consulting, Inc.  
PO Box 541  
Midland, NC 28107-0541  
Phone: 704-301-4881  
Fax: 206-350-8895  
larry@thompsonenv.com



## Details

Four Corners of Charlotte LLC has contracted with Thompson Environmental Consulting, Inc. (TEC) to prepare an AOWE septic permit package for a 3-bedroom single-family residence to be constructed on Lot 27 – Lincoln Greens, Mintew Circle, Lincolnton, North Carolina (Lincoln County Parcel Number: 7039).

Based upon a soil and site evaluation performed by TEC, it was determined that a sufficient amount of “Provisionally Suitable” Group IV Soil is available for the initial installation and repair of a **Vertically Installed Gravity-Flow Prefabricated Permeable Block Panel System** for a 480 gallon-per-day residence at a 0.3 GPD/sq/ft long-term acceptance rate (LTAR). The property will be served by a private well.

**This proposal is being submitted pursuant to and meets the requirements of G.S. 130A-336.2. (AOWE Permitting).**

### Location

From Lincolnton, take N. Grove Street to Reepsville Road. Stay straight on Reepsville Road, turn left onto Mintew Circle and keep left. Lot is located on the left in 0.1 miles.

### References

*Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18E, Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, January 1, 2024.*

*Design, Installation and Maintenance of the T & J Panel Wastewater Treatment System; published by T & J Panel, 2021.*

### Primary Investigator's Credentials

NC Registered Sanitarian No. 1208  
NC Licensed Soil Scientist No. 1287  
NC Authorized Onsite Wastewater Evaluator No. 10016E  
SC Certified Professional Soil Classifier No. 111  
NC Subsurface Septic System Operator No. 22199  
NC Grade IV Wastewater System Installer No. 1762  
NC Certified Wastewater System Inspector No. 17621

## Plans and Specifications

### A. Septic Tank

1. The septic tank shall be State approved, watertight, structurally sound, and 1,000 gallons in capacity (minimum).

2. The septic tank will be fitted with an approved effluent filter and riser for easy access and periodic maintenance.
3. It is the responsibility of the septic contractor to thoroughly inspect the septic tank prior to accepting delivery to assure that the tank has had time to properly cure and is free of cracks or other structural deficiencies.

#### B. Pipes and Fittings

1. All discharge piping, connectors and supply lines should be made of SCH 40 PVC.
2. All joints must be properly “welded” utilizing the appropriate PVC cement for each application.

#### C. Distribution Method

1. Individual drainlines shall be evenly fed via a distribution box.
2. Distribution box shall be water tested for equal flow at the time of the final inspection.

#### D. Backfill

1. Backfill sand shall be clean, washed, medium sand that is naturally occurring and falls within the gradation of ASTM C-33 specification (used in the ready-mix industry and is readily available). Properly compact backfill to provide the intended subgrade support.

#### E. Drainfield Installation

1. The drainfield and the proposed septic tank location have been marked on-site utilizing metal stemmed flags. Once this area has been approved by the county, the property owner/builder should mark this area and isolate it as much as possible from construction traffic. Prior to the system installation, the septic contractor shall contact the designer for a preconstruction conference at which time the drainfield area will be re-verified.
2. Under no circumstances shall any construction take place within the drainfield area while the soil is in a wet condition. If the installer has doubts as to whether or not the drainfield area is dry enough to begin construction, the environmental health specialist for this area should be contacted for permission to proceed with the installation.
3. The specified system is a Type IIIe pre-fabricated permeable block panel system – specifically the vertically installed prefabricated permeable block panel system manufactured by T&J Panel Wastewater Treatment System, Patent No. 4013559; telephone: 1-800-222-2577. The installer must follow the manufacturer’s guidelines for installing the T&J Panel System and should request an installation manual from the manufacturer prior to beginning construction.
4. The initial drainfield consists of four (4) laterals constructed **2-foot wide by 50-foot in length**.
5. It is essential that the lateral trenches be constructed on contour with the land, with each trench being excavated level from beginning to end. The use of a tripod mounted engineer’s level is essential to assure that each trench is constructed as level as possible.
6. The required trench depth for this system shall be **31-inches**. Each trench **shall be placed on a minimum of 6-foot on centers**.



7. Once trenches are dug, the side walls shall be raked, and a light dusting of lime applied.
8. Backfill the trench with 6-inches of sand and level to grade properly compacted to intended subgrade support. Once leveled, place 1 x 6-inch boards on top of the sand the entire length of each trench. Once the grade boards have been set, the panels may be set into the trench. The panels should be placed 6 inches apart.
9. Once the panels have been set, line the top portion of each chamber with the T&J supplied sand alternative product (SAP – geotextile fabric). GE Foam Sealer or tar seal rope should be placed in the bottom of the “U” outs to form seals around the pipe as shown in earlier drawings.
10. Tar seal rope, or approved foam, should be placed in the “U” outs of each end of the panel to form seals. Once the tar rope is in place, the 1¼ inch Schedule 40 PVC connectors can be added, and the seal completed by the addition of more tar rope on the top and sides of the pipe. Now that the connection and seals are complete, a block cap is placed on each end of the panel so that all openings are covered.
11. Once the lateral has been installed and the panels closed, the trench is ready to be backfilled to the top with the sand used in the trench bottom. At this point, the trenches should be left open for the final inspection by the local health department.

#### F. Final Landscaping

1. The drainfield shall be shaped to shed rainwater and be free from low spots.
2. Final cover requirement over the drainfield area is 6-inches.
3. The entire area of the drainfield should be planted with grass as soon as possible to prevent erosion. The soil should be properly tilled, limed (if necessary) and fertilized prior to planting. After applying grass seed, the area should be heavily mulched with straw or other suitable material.

### **Maintenance**

#### H. In General

1. The homeowner must maintain the drainfield area through periodic mowing. The drainfield must not be allowed to become overgrown.
2. The septic tank should be pumped every 4 years or when the solids within the septic tank reach an elevation that is equivalent to 25 percent of the volume of the tank. In some situations, the tanks may need to be pumped more frequently. If using a garbage disposal, it is recommended that the homeowner has the septic and pump tanks cleaned out annually.
3. Use of a garbage disposal is not recommended. Solids added through the garbage disposal tend to degrade at a very slow rate.
4. Grease, cooking oils, coffee grounds and non-degradable solids (disposable diapers, cigarettes, and solid paper wastes) should never be put into a septic tank.
5. Used motor oil or any oily liquids should not be disposed of in a septic tank.
6. Be aware of the amount of water that you are using in your home. Water saving fixtures and devices can be installed on sinks, toilets, and showers to reduce the volume of wastewater that you are sending to your drainfield.
7. Run dishwashers and washing machines only when you have a full load.

8. Repair leaky faucets and toilets. Small drips equal large volumes of water over time and can over burden your drainfield.
9. Do not use chemical additives in your system. Studies have indicated that they do not increase the biological activity that naturally occurs in the septic system and in some cases certain additives have been found to be detrimental to the life of a system.

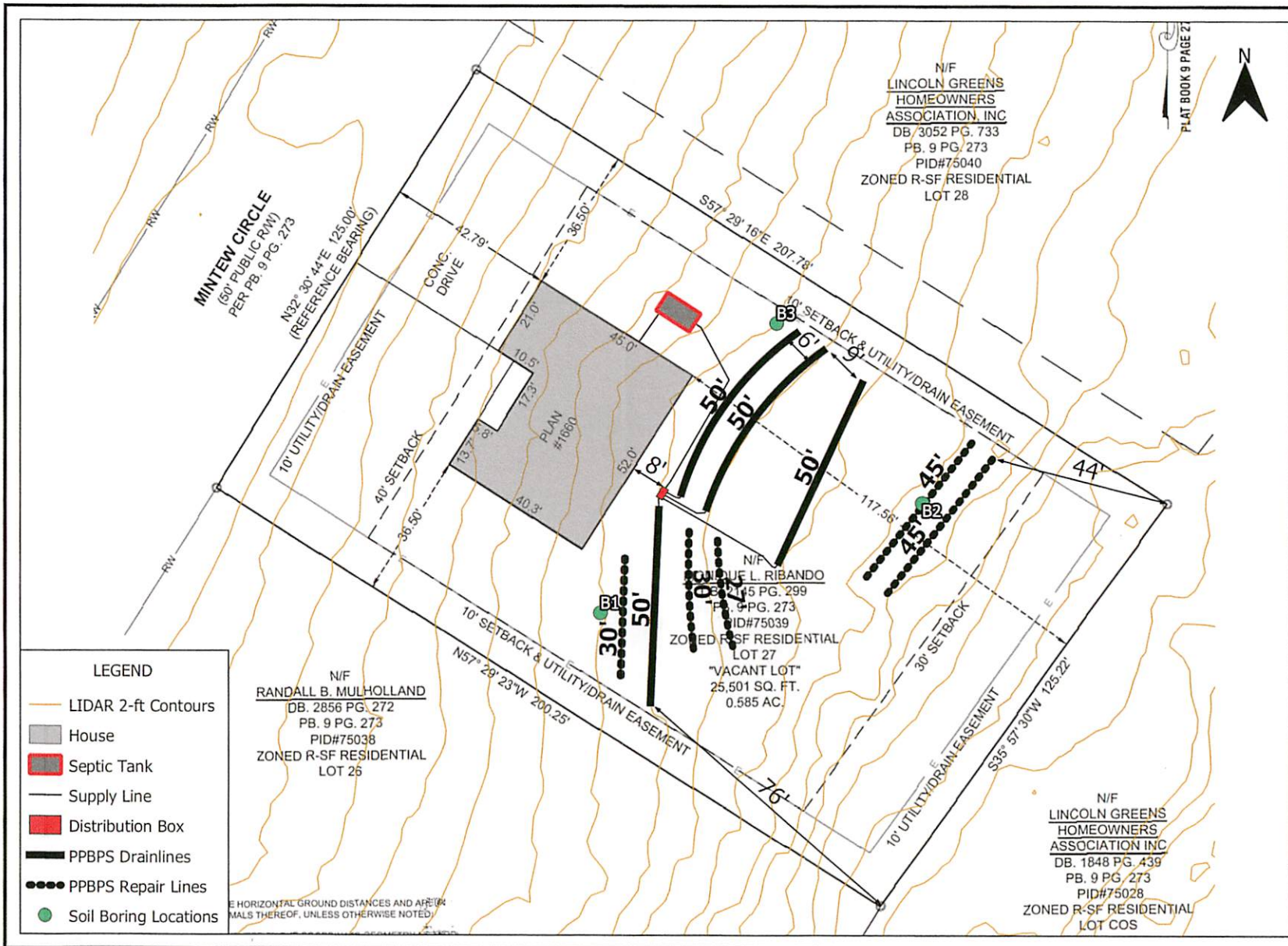
### **Design Specifics**

Daily Design Flow:	480 GPD
Septic Tank Size:	1,000 Gallons
Effluent Loading Rate:	Design = 0.3 GPD sq. ft.
Drainfield Type:	Vertical PPBPS
Distribution Method:	Distribution Box
Number and Size of Drainlines:	(4) 2-ft Wide x 50-ft Long
Maximum Trench Depth:	31 Inches
Drainline Spacing:	6 Foot on Centers
Total Length of Drainline:	200 Feet
Total Number of Panels:	44
Final Soil Cover Requirement:	6 Inches Minimum

### **Repair Specifics**

Effluent Loading Rate:	Design = 0.3 GPD sq. ft.
Drainfield Type:	Vertical PPBPS
Distribution Method:	Distribution Box
Required Linear Footage:	200 Feet
Available Linear Footage:	227 Feet
Maximum Trench Depth:	31 Inches
Final Soil Cover Requirement:	6 Inches Minimum

\*See septic layout for site locations and additional details.



**FIGURE 1**

Prepared For:  
Four Corners of Charlotte LLC

**Proposed Septic Layout**  
Lot 27 - Lincoln Greens  
Mintew Circle  
Lincolnton, NC 28092  
Lincoln County

Scale:  
0 15 30 ft

TEC Job No.  
24-64

Date:  
March 2024



SOIL/SITE EVALUATION  
 for ON-SITE WASTEWATER SYSTEM

75039

DATE EVALUATED: 5-12-23  
 PROPERTY SIZE: 0.52500  
 PROPERTY RECORDED:

OWNER:  
 ADDRESS:  
 PROPOSED FACILITY:  
 PROPOSED DESIGN FLOW (1949):  
 LOCATION OF SITE:  
 WATER SUPPLY:  Private  Public  Well  Spring  Other

EVALUATION METHOD:  Auger Boring  Pit  Cut  
 TYPE OF WASTEWATER:  Sewage  Industrial Process  Mixed

#	SLOPE %	LANDSCAPE POSITION/ HORIZON	SOIL MORPHOLOGY (1941)			OTHER PROFILE FACTORS		
			STRUCTURE/ CONSISTENCE/ MINERALOGY	SOIL WETNESS/ COLOR	SOIL DEPTH	1956 SAPRO CLASS	1944 RESTR HORIZ	PROFILE CLASS & LTAR
1					1/8"			DS
2					1/8"			DS
3					1/8"			DS
4					1/8"			DS

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (1946)	SITE CLASSIFICATION (1948)	EVALUATED BY	OTHER(S) PRESENT
Available Space (1945)						
System Type(s)						
Site LTAR						



# LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft <sup>2</sup> )	SAPROLITE LTAR (gpd/ft <sup>2</sup> )	LPP LTAR (gpd/ft <sup>2</sup> )	MINERALOGY/ CONSISTENCE		STRUCTURE		
						MOIST	WET			
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 - 0.6	Lo (Loose)	NS (Non-sticky)	SG (Single grain)		
CV (Convex Slope)		LS (Loamy sand)		0.5 - 0.7		M (Massive)				
D (Drainage way)	II	SL (Sandy loam)	0.6 - 0.8	0.4 - 0.6	0.3 - 0.4	VFR (Very friable)	SS (Slightly sticky)	GR (Granular)		
FP (Flood plain)		L (Loam)		0.2 - 0.4		SBK (Subangular blocky)				
FS (Foot slope)	III	SiL (Silt loam)	0.3 - 0.6	0.1 - 0.3	0.15 - 0.3	FI (Firm)	VS (Very sticky)	ABK (Angular blocky)		
H (Head slope)		SCL (Sandy clay loam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)		
L (Linear Slope)		CL (Clay loam)		None		None	None	EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)						P (Plastic)		
R (Ridge/summit)		Si (Silt)							VP (Very plastic)	
S (Shoulder slope)	IV	SC (Sandy clay)	0.1 - 0.4	0.05 - 0.2	SEXP (Slightly expansive)					
T (Terrace)	SiC (Silty clay)	EXP (Expansive)								
TS (Toe Slope)	C (Clay)									
		O (Organic)	None							

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

\*\*Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

*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); Evaluation of saprolite shall be by pits.

*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) or U (Unsuitable)

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

