Permit/File #: _	



ROY COOPER · Governor

KODY H. KINSLEY · Secretary

MARK BENTON • Chief Deputy Secretary for Health

SUSAN KANSAGRA • Assistant Secretary for Public Health

Division of Public Health

Submittal Includes:	(a2) Improvement Permit	(a2) Construction Auth	orization	☐ Fee \$	
	IMPROVEM	ENT PERMIT FOR G.S.	130A-335	(a2)	
County: Harnett					
	19-69-4694.000				
Issued To: LGI Hor					
Property Location: 44	Teepee Drive, Lillingtor	n, NC			
	<sub>ole)</sub> Boone Trail Village Pl		44	Block:	Section:
LSS Report Provided: \	res No 🗌				
If yes, name and licens	e number of LSS: Scott Mitche	ell - 1237			
New 🔳	Expansion  -Family Dwelling Unit	System Relocation		Change of Us	e 🗌
	4 Number of Occupants: 8 o	or less Other:			
Design Wastewater Str				Il Process Wastewate	
Proposed Design Daily	Flow: 480 GPD				
Proposed Wastewater	System Type*: IIIb	(Initial)	Pump Requ	uired: Yes No	May be required
Proposed Wastewater	System Type*: IIIb	(Repair)	Pump Requ	ired: 🔳 Yes 🗌 No	May be required
*Please include system	classification for proposed wastew	ater system types in accordance	e with Rule .	1301 Table XXXII	
Effluent Standard:	DSE HSE NSF/ANSI 40	☐ TS-I ☐ TS-II ☐ RCV	v		
Saprolite System (Initia	l): 🗌 Yes 🔳 No Saprolite	e System (Repair): 🗌 Yes 🔳 I	No		
Fill System (Initial):	Yes No If yes, specify: New	w Existing (when adding r	nore than 6 i	inches of fill to system	n area provide a fill plan)
	Yes No If yes, specify: Ne				
Usable Depth to LC (Ini	tial)x: 35"	Usable Depth to LC (Repair)x:	39"+	× Limiting Co	ondition
Max. Trench Depth (Ini	tial)‡: 23 inches Max. Tre	nch Depth (Repair)*: 24 inc	nes *	Measured on the dow	vnhill side of the trench
Artificial Drainage Requ	uired: Yes 🔳 No If yes, please	e specify details:			The second control of the second
Type of Water Supply:	Private well Public well	Shared well Municip	al Supply	Spring Oth	er:
Drainfield location mee	ets requirements of Rule .0508: Yes	No Drainfield loca	tion meets re	equirements of Rule .	0601: Yes 🔳 No 🗌
Permit valid for: 🔳 Fiv	e years [site plan submitted pursua	int to GS 130A-334(13a)] N	lo expiration	[plat submitted purs	suant to GS 130A-334(7a)]
Permit conditions: Permit is subject to No cutting, grading, Maintain all required	revocation if the Site Plan or Plat alterations, or utilities allowed in d setbacks.	sprice state	Use construe	es, including bedroo	om count.
Licensed Soil Scientist F	Print Name: Scott Mitchell	19 July	1/8	#	
Licensed Soil Scientist S	ignature:	Val.	13/	Date: April	10, 2025

NCDHHS/DPH/EHS/OSWP

The LSS evaluation is being submitted

nts of G.S. 130A-335(a2).



Permit/File #:	
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## This Section for Local Health Department Use Only

initial submittal received:		by	
	Date	Initials	
G.S. 130A-335(a3) states the following:			
When an applicant for an Improvement Permit submits to a local health departm department, the common form developed by the Department, and a soil evaluation within five business days of receiving the application, conduct a completeness repermit includes all of the required components. If the local health department deshall notify the applicant of the components needed to complete the Improvement department to cure the deficiencies in the Improvement Permit. The local health is complete within five business days after the local health department receives the act within any period set out in this subsection, the applicant may treat the failur common form for use as the Improvement Permit.	ion pursuant to su view of the submi etermines that the nt Permit. The app department shall the additional info	bsection (a2) of this section, the tal. A determination of completment Permit is incompletional in the tall the	he local health department shall, eteness means that the Improvement plete, the local health department information to the local health to whether the Improvement Permit the local health department fails to
The review for completeness of this Improvement Permit was co Permit is determined to be:	onducted in ac	cordance with G.S. 130A	335(a3). This Improvement
☐ Incomplete (If box is checked, information in this section is r	required.)		
The following items are missing:			
Copies of this were sent to the LSS and the Applicant on	10/		-///
	Date		
State Authorized Agent:		Date	<u> </u>
☐ Complete		1	2.00
State Authorized Agent:		Date	:
This Improvement Permit is issued pursuant to G.S. 130A-335 (attached here. The issuance of this permit in no way guaranted for checking with appropriate governing bodies in meeting the plat, or the intended use changes. The Improvement Permit she permit is subject to compliance with the provisions of 15A NCA. The Department, the Department's authorized agents, and the any liabilities, duties, and responsibilities imposed by statute of evaluations, submittals, or actions from a licensed soil scientist.	es the issuance ir requirement all not be affect 18E and to the local health do in common less the common less the local health do in common less the local	e of other permits. The sts. This permit is subject oted by a change in own the conditions of this peepartments shall be disaw from any claim arising	permit holder is responsible to revocation if the site plan, nership of the site. This rmit.  charged and released from ng out of or attributed to
Improvement Permit Expiration Date:			

\*See attached site sketch\*



Permit/File #:
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## **Re-submittal of Improvement Permit**

	LHD USE ONLY: This IP resubmittal received:	Date	by	
Γhe following in	tems are being resubmitted pursuant to G.S. 130A-	335(a3) for issuance	of the Improvement Permit	:
	Jul. 31	AJE .		
s accurate and	hereby attest t Scientist (Print Name) complete to the best of my knowledge and that th laws, regulations, rules, and ordinances.		required to be included wit	
Signatur	re of Licensed Soil Scientist		Date	
LHD Follow-ւ	The section below is for Local Health Department of the Completeness Review of Improvement		tems noted as missing above	
	completeness of this Improvement Permit re-submermit is determined to be:	nittal was conducted	in accordance with G.S. 130	OA-335(a3). This
☐ Incomplete	e (If box is checked, information in this section is re	quired.)		
The following it	ems are missing:			
Copies of this w	vere sent to the LSS and the Applicant on			
State Authorize	ed Agent:		Date:	
☐ Complete				
State Authorize	ed Agent:		Date:	



## **Harnett County GIS**

**PID:** 130519 0103 49 **PIN:** 0519-69-4694.000

Account Number: 1500028388

Owner: LGI HOMES NC LLC

Mailing Address: 1450 LAKE ROBBINS DR STE 430 THE WOODLANDS, TX 77380-3294

Physical Address: 44 TEEPEE DR LILLINGTON, NC 27546 ac

Description: LOT#44 BOONE TRAIL VILLAGE PH1 MAP#2024-600

Surveyed/Deeded Acreage: 0.64
Calculated Acreage: 0.64

Deed Date:

Deed Book/Page: 4144 - 0878
Plat(Survey) Book/Page: 2024 - 600

Last Sale: 2022 - 4

Sale Price: \$2220000

Qualified Code: A

Vacant or Improved: V

Transfer of Split: T

Actual Year Built:

Heated Area: SqFt

Building Count: 0

Parcel Outbuilding Value: \$0

Parcel Land Value: 27330

Market Value: \$27330

Deferred Value: \$0

**Building Value: \$0** 

Total Assessed Value: \$27330

Zoning: RA-30 - 0.64 acres (100.0%)

Zoning Jurisdiction: Harnett County

Wetlands: No

FEMA Flood: Minimal Flood Risk

Within 1mi of Agriculture District: Yes

Elementary School: Boone Trail Elementary

Middle School: Western Harnett Middle

High School: Western Harnett High

EMS Department: Medic 12, D12 EMS

Law Enforcement: Harnett County Sheriff

Voter Precinct: Boone Trail

Fire Department: Boone Trail

County Commissioner: Duncan Edward Jaggers

School Board Member: John Hairr



# Mitchell Environmental, P.A.

I hereby authorize representatives of Mitchell Environmental, P.A., to provide subsurface wastewater evaluations and septic system designs on my behalf, for the issuance of an IP and CA, for the property identified below.

#### For Improvement Permit (IP) issuance:

"The LSS/LG evaluation(s) attached to this application is to be used to issue an Improvement Permit in accordance with G.S. 130A-335(a2) and (a3)."

#### For Construction Authorization (CA) issuance:

"The plans or evaluations attached to this application are to be used to issue a Construction Authorization in accordance with G.S. 130A-335(a2), (a5), and (a6)."

The LSS evaluation attached to this application was used to produce and design a subsurface wastewater septic system for permitting to obtain an IP and CA in accordance with G.S. 130A-335(a2), (a3), (a5), and (a6).

Lot 43 (64 Tecpce Dr.)  Lot 44 (44 Tecpce Dr.)  Boone TRAIL  Subject Property (Address, PIN, etc.): Lot 45 (20 Tecpce Dr.)  Village
Subject Property (Address, PIN, etc.): Lot 45 (20 Tecpce Dr.) / Village
Property Owner Name (Print): LGI Homes
Owner Representative (Print): Keith Sears
Owner Representative (Sign): Kutt Sun
Date: 4/11/25



**EMARTY** 



## **CERTIFICATE OF LIABILITY INSURANCE**

DATE (MM/DD/YYYY) 1/16/2025

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).

		JBROGATION IS WAIVED, subject certificate does not confer rights to							require an endorsemen	it. A Si	atement on	
PRO	ouci	ER				CONTACT Select Business Unit						
	lera Group 131 Parklake Avenue, Suite 225 aleigh, NC 27612					PHONE (A/C, No, Ext): (919) 469-2473 FAX (A/C, No): (919) 467-						
						E-MAIL ADDRE	<sub>ss:</sub> em@tris	ure.com				
						INS	SURER(S) AFFOR	RDING COVERAGE		NAIC#		
						INSURE	R A : Westch	ester Surpl	lus Lines		10172	
INSU	NSURED INSURER B : Sirius America Insurance Company								38776			
	Mitchell Environmental PA Scott Mitchell											
		5601 Maggie Run Lane				INSURE						
		Fuquay Varina, NC 27526				INSURE						
						INSURE						
CO	/EF	RAGES CER	TIFI	CATI	E NUMBER:				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											
		TIFICATE MAY BE ISSUED OR MAY								O ALL	THE TERMS,	
NSR LTR	CL	USIONS AND CONDITIONS OF SUCH	ADDL	SUBF		DEENI	POLICY EFF	POLICY EXP				
		TYPE OF INSURANCE	INSD	WVD	POLICY NUMBER		(MM/DD/YYYY)	(MM/DD/YYYY)	LIMIT	<b>&gt;</b>	1,000,000	
Α	Χ	COMMERCIAL GENERAL LIABILITY							EACH OCCURRENCE	\$	1,000,000	

INSR LTR		TYPE OF INSURANCE	ADDL INSD	SUBR	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	rs	
Α	Х	COMMERCIAL GENERAL LIABILITY				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	EACH OCCURRENCE	\$	1,000,000
		CLAIMS-MADE X OCCUR			G28210486009	1/27/2025	1/27/2026	DAMAGE TO RENTED PREMISES (Ea occurrence)	\$	50,000
		<u>—</u>						MED EXP (Any one person)	\$	10,000
								PERSONAL & ADV INJURY	\$	1,000,000
	GEN	J'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	\$	2,000,000
		POLICY X PRO-						PRODUCTS - COMP/OP AGG	\$	2,000,000
		OTHER:							\$	
	AUT	OMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	\$	
		ANY AUTO						BODILY INJURY (Per person)	\$	
		OWNED SCHEDULED AUTOS ONLY						BODILY INJURY (Per accident)	\$	
		HIRED NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	\$	
									\$	
Α		UMBRELLA LIAB X OCCUR						EACH OCCURRENCE	\$	1,000,000
	X	EXCESS LIAB CLAIMS-MADE			G46616182008	1/27/2025	1/27/2026	AGGREGATE	\$	1,000,000
		DED RETENTION \$							\$	
В	WOR	KERS COMPENSATION EMPLOYERS' LIABILITY						PER OTH- STATUTE ER		
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)		PROPRIETOR/PARTNER/EXECUTIVE Y/N   WC PC 602055-000   2/7/20		2/7/2025	2/7/2026	E.L. EACH ACCIDENT	\$	1,000,000	
							E.L. DISEASE - EA EMPLOYEE	\$	1,000,000	
	If yes	s, describe under CRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	\$	1,000,000
Α	Pro	fessional Liabili			G28210486009	1/27/2025	1/27/2026			1,000,000
Α	Pro	Professional Liabili			G28210486009	1/27/2025	1/27/2026	Limit		1,000,000
1										

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Operations of the Named Insured covered by the above referenced policies.

CERTIFICATE HOLDER	CANCELLATION
LGI Homes – NC, LLC 1450 Lake Robbins Drive Suite 430	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
The Woodlands, TX 77380	AUTHORIZED REPRESENTATIVE

# Mitchell Environmental, P.A.

April 10, 2025

Mr. Robert Putze LGI Homes - NC, LLC 5511 Capital Center Drive, Suite 550 Raleigh, North Carolina 27606

Re: On-Site Sewage Disposal Site and Soils Evaluation Report for:

Boone Trail Village Subdivision – Lot 44 44 Teepee Drive, Lillington, Harnett County

Mr. Putze:

At your request, we have completed a site evaluation for use of on-site sewage disposal systems at Lot 44 of Boone Trail Village Subdivision located at 44 Teepee Drive Road in Lillington, Harnett County. The site evaluation was completed using hand augers on February 25, 2025, under moist soil conditions, based on the criteria found in the State Subsurface Rules, 15A NCAC 18E, "Wastewater Treatment and Dispersal Systems". This report was prepared pursuant to and meets the requirements of G.S. 130A-335(a2).

#### Site Evaluation for Use of On-Site Sewage Disposal Systems:

The evaluation included all usable areas of the property as limited by state and local laws, rules, and regulations. The purpose of the evaluation was to determine the suitability of the site for onsite waste disposal systems per applicable laws, rules, and regulations. "The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2)."

A soil/site evaluation for use of on-site waste disposal systems on any site in North Carolina must include an evaluation of each of the following criteria: 1) topography and landscape position, 2) soil morphology, 3) soil wetness, 4) soil depth, 5) restrictive horizons and 6) available space. Upon field evaluation of the site, the majority of the lot was confirmed to contain sufficient suitable depth for on-site waste disposal systems.

Most septic systems in North Carolina that include a sub-surface waste disposal element require nitrification trenches to distribute effluent for final treatment. Any nitrification trench that has an associated width (conventional, LPP, LDP, etc.) must be designed to accommodate slope corrections (typically 1 to 4 inches). Slope corrections are based on trench width and cross slope to ensure the minimum separation distance between the trench bottom and an unsuitable soil condition is maintained over the entire trench width. Sloping sites are required to have greater suitable soil depth to accommodate slope correction as opposed to flat sites that require no slope correction. Please note that all proposed lots that utilize sub-surface nitrification fields must have sufficient area for the initial septic system as well as a full repair system. However, the initial and repair systems are not required to be the same type of system, nor are they required to be contiguous. For example, a lot may have a conventional, gravity system installed as the initial septic system and specify an LPP or subsurface drip system for its repair, several hundred feet away from the house or other structure being served.

The number of bedrooms or wastewater design flowrate that any lot will accommodate is entirely dependent upon the usable area of the lot and the long-term acceptance rate (LTAR; LTAR is the

effluent application rate for a septic system. For conventional systems, the LTAR indicates the number of gallons that can be applied to each square foot of the <u>trench bottom</u> per day. For an LPP or subsurface drip system, the LTAR indicates the number of gallons that can be applied to each square foot of the <u>nitrification field</u> per day. An LTAR of 0.2 gallons per day per ft² (gpd/ft²) will require a nitrification field that is twice as large as a field that has an LTAR of 0.4 gpd/ft².). Assigned LTARs will affect the number of bedrooms or wastewater design flowrate lots will accommodate as illustrated above. LTARs can vary from one location to another on a property. Our observations indicate that the majority of the lot contains sufficient suitable soil depth to accommodate subsurface wastewater systems with an LTAR range of 0.25 to 0.30 gpd/ft². Observed suitable soil depths on this site are greater than 35 inches, with LTAR controlling soil textures ranging from clay loam to clay.

Topography on this lot can be generally characterized as a gentle side slope that generally sheds to the north. Based on observed site and soil characteristics, in combination with the proposed plot plan, it is my professional opinion that adequate available space exists on this lot for properly designed septic system drainfields (*initial and repair*) sufficient for one, four-bedroom home.

This site evaluation is based upon the conditions of the site at the time of the evaluation. Any alteration of the site, including compaction, clearing, grading, timbering, etc., could negatively affect the suitability for on-site septic systems. Great care should be exercised during site preparation to protect areas that are to be utilized for septic system nitrification fields. No vehicular or construction traffic should be allowed on these areas. Additionally, no sedimentation and erosion control devices or stormwater collection, treatment, diversion, or dispersal devices should be allowed on or near these areas.

Thank you for the opportunity to provide you with this wastewater system soil suitability evaluation. Do not hesitate to call me if you have any questions or concerns about this evaluation or if you need any additional information.

Sincerely.



Scott Mitchell, PE, LSS President

	Page <u>1</u> of <u>2</u>
PROPERTY ID #:	0519-69-4694.000
COUNTY:	Harnett

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

OWNER: LGI Homes NC LLC DATE EVALUATED: 02/25/2025  ADDRESS: 1450 Lake Robbins Drive, Suite 430, The Woodlands, TX 77380												
	ESS: <u>1450 Lak</u> DSED FACILITY							490	DDOD	EDTV CI7	E: 0.64 acres	
	ΓΙΟΝ OF SITE:							400			ORDED: 12/0	
	R SUPPLY: 🛛 I							er	WATE	R SUPPLY	SETBACK:	
EVALU	JATION METH	OD: X Auge	r Borir	ng 🗆 Pit	☐ Cut	TY	PE OF WASTE	WATER:	☑ Domest	ic 🗌 High	Strength $\square$ I	PWW
P R O F I			S	OIL MO	RPHO	LOGY						
L E #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	STR	.0503 UCTURE/ XTURE	CONS	.0503 SISTENCE/ ERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0502(d) SLOPE CORRE CTION
	L, 2%	Ap, 0-8	:	SL, G	VFR, N	S, NP, NEXP	10YR 5/2					
		Bt1, 8-14	SCI	_, SBK	FR, SS	, SP, SEXP	10YR 6/6					
1		Bt2, 14-39+	C,	SBK	FR, SS	, SP, SEXP	10YR 6/4 2.5YR 4/8; 15%	39+			S, 0.25	1"
							2.51 K 4/6, 15%					
	L, 2%	Ap, 0-6		SL, G	VFR, N	S, NP, NEXP	10YR 5/2					
		E, 6-19	S	L, SBK	VFR, N	S, NP, NEXP						
2		Bt1, 19-30	С	L, SBK	FR, S	S, SP, SEXP						
		Bt2, 30-35	CL	., SBK	FR, SS	s, SP, SEXP	10YR 6/6					
		C, 35+	SC	L, SBK	FR, SS	S, SP, SEXP	2.5YR 4/8; 15% 10YR 6/6 2.5YR 4/8; 25%	35			S, 0.30	1"
	L, 2%	Ap, 0-6	;	SL, G	VFR, N	S, NP, NEXP						
		E, 6-28	SI	., SBK	VFR, N	S, NP, NEXP	2.5Y 6/4					
3		Bt1, 28-34	С	L, SBK	FR, SS	S, SP, SEXP	10YR 6/6					
		Bt2, 34-39+	CI	., SBK	FR, SS	S, SP, SEXP	10YR 6/6 2.5YR 4/8; 15%	39+			S, 0.30	1"
							2.011(4/0, 10/0					
	L, 2%	Ap, 0-6	;	SL, G	VFR, N	S, NP, NEXP	10YR 5/2					
		E, 6-25	SI	_, SBK	VFR, N	S, NP, NEXP	2.5Y 6/4					
4		Bt1, 25-32	С	L, SBK	FR, SS	S, SP, SEXP	10YR 6/6					
		Bt2, 32-39+	С	, SBK	FR, SS	s, SP, SEXP	10YR 6/6 2.5YR 4/8; 15%	39+			S, 0.25	1"
וח	ESCRIPTION	INITIAL SYS	STEM	REPAIR S	YSTEM							
	le Space (.0508)	Yes		Yes		SITE CLAS	SSIFICATION (.	0500):	Suitable			
System '	Type(s)	IIIb		IIII	)	EVALUAT	ED BY:	0309)		nell / Adam /	Aycock	
Site LTA		0.30		0.2	5	OTHER(S)	PRESENT:					
	m Trench Depth	23" on Low	Side	24" on Lo	w Side							
Comme	ents:											

NCDHHS/DPH/EHS/OSWP Revised January 2024 Form SSE-24.2

### **LEGEND**

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERA CONSIS	STRUCTURE		
CC (Concave slope)		S (Sand)		0.6 - 0.8		MOIST	WET	SG (Single grain)	
CV (Convex Slope)	ı	LS (Loamy sand)	0.8 - 1.2	0.5 -0.7	0.4 -0.6	Lo (Loose)	NS (Non-sticky)	M (Massive)	
D (Drainage way)	Ш	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		FR (Friable)	S (Sticky)	SBK (Subangular blocky)	
FS (Foot slope)		SiL (Silt loam)		0.1 - 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)	III	CL (Clay loam)	0.3 - 0.6		0.15 - 0.3	EFI SP (Extremely firm) (Slightly plastic)		PL (Platy)	
N (Nose slope)  R (Ridge/summit)		SiCL (Silty clay loam)					P (Plastic)		
		Si (Silt)		None			VP (Very plastic)		
S (Shoulder slope)		SC (Sandy clay)				SEXP (Slightly			
T (Terrace)	IV	SiC (Silty clay)	0.1 - 0.4		0.05 - 0.2	EXP (Exp			
TS (Toe Slope)		C (Clay)						1	
	•	O (Organic)	None						

HORIZON DEPTH In inches below natural soil surface DEPTH OF FILL RESTRICTIVE HORIZON In inches from land surface Thickness and depth from land surface

*SAPROLITE* 

S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits.

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 SOIL WETNESS

CLASSIFICATIONS (Suitable) or U (Unsuitable)

ATION	S (Suitable) or U (Unsuitable)  Show profile locations and other site features (dimensions, reference or benchmark, and North).																						
	-																						
$\vdash$	_		_	_								_	_	_							_		
	_																						
	-																						
$\vdash$	-																						
$\Box$	_		_																				
	_																						

Revised January 2024 NCDHHS/DPH/EHS/OSWP

<sup>\*</sup> 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.

