

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Billy Harmon & Angela Harmon DATE EVALUATED: 9-22-25
ADDRESS: 247 Festus Rd
PROPOSED FACILITY: SW 16x76' PROPOSED DESIGN FLOW (.0400): 480 PROPERTY SIZE: _____
LOCATION OF SITE: _____ PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Public ☐ Single Family Well ☐ Shared Well ☐ Spring ☐ Other _____ WATER SUPPLY SETBACK: _____
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☐ Domestic ☐ High Strength ☐ IPWW

P R O F I L E #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY		OTHER PROFILE FACTORS				.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRE CTION
			.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ		
1, 4	2-3% LS	0-11	SL, gr		7.5YR 5/2-37"	48"			.325	
		11-37	SCL, S&K	FE, SS, NP, SE						
		37-48	CL, ^W S&K							
2	2% LS	0-6	SL, gr		7.5YR 5/1-34"	48"			.3	
		6-15	F:19 m-X							
		15-34	SCL, S&K	FE, SS, SP, SE						
		34-48	CL, ^W S&K							
		→ Less than 20" of usable soil								
3, 5	2-3% LS	0-19	SL, gr		7.5YR 5/2-38"	48"			.35	
		19-38	SCL, S&K	FE, SS, NP, SE						
		38-48	CL, ^W S&K							
6, 7 A	3-4% SL	Less than 12" of usable soil								

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): <u>S</u> EVALUATED BY: <u>RL</u> OTHER(S) PRESENT: _____
Available Space (.0508)	☒	☒	
System Type(s)	<u>25% Red</u>	<u>50% Red</u>	
Site LTAR	<u>.325</u>	<u>.35</u>	
Maximum Trench Depth			

LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	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		FR (Friable)	S (Sticky)	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		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
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).

(Complete all fields in full)

ADDRESS: _____

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LOCATION OF SITE: _____ PROPERTY RECORDED: _____

WATER SUPPLY: ☐ Public ☐ Single Family Well ☐ Shared Well ☐ Spring ☐ Other WATER SUPPLY SETBACK:

EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☐ Domestic ☐ High Strength ☐ IPWW

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8	3-4% LS	0-21	SL, g ^r		7.5yR 5/2=34"	48"			.325	
		21-34	SCL, SBN	Fr, SS, NP, SE						
		34-48	CL, ^W SBN							
9		0-15	SL, g ^r		7.5yR 7/2=40"	48"			.35	
		15-40	SCL, SBN	Fr, SS, NP, SE						
		40-48	CL, ^W SBN							
3					SFD'S					
4										

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HORIZON DEPTH

DEPTH OF FILL

RESTRICTIVE HORIZON

SAPROLITE

SOIL WETNESS

CLASSIFICATION

In inches below natural soil surface

In inches from land surface

Thickness and depth from land surface

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SITE SKETCH
 PIN 1610-15-5046.000 Permit Number BRES2508-0045

Date _____

Scale = NTS[illegible]