

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

OWNER: Lacey Stephen DATE EVALUATED: 5-6-2025
 ADDRESS: 938 Marshfield Circle Myrtle Beach SC 29579
 PROPOSED FACILITY: 3BR Home PROPOSED DESIGN FLOW (.0400): 360 gpd PROPERTY SIZE: .25 Acres
 LOCATION OF SITE: 1224 Gray Bridge Rd. Shalotte, NC 28459 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

PROFILE #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY		OTHER PROFILE FACTORS				.0509 PROFILE CLASS & LTAR*	.0502(d) SLOPE CORRECTION
			.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCY/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ		
1	LS SWC 30"	0-12"	S/G	MSP	10 ⁺ 5/2 6/2	S	S	S	U 1.0	N/A
		12-24"	"	"	2.5 7/4 8/4	"	"	"		
		24-30"	"	"	2.5 7/4 7/3 8/3	"	"	"		
		30-48"	"	"	2.5 7/2 8/2 7/2 wet	"	"	"		
2	LS SWC 30"	0-12"	S/G	MSP	2.5 6/1 7/1	S	S	S	U 1.0	N/A
		12-24"	"	"	2.5 7/4 8/4	"	"	"		
		24-30"	"	"	2.5 7/4 8/4	"	"	"		
		30-48"	"	"	2.5 7/4 7/2 8/2 wet	"	"	"		
3	LS SWC 30"	0-12"	S/G	MSP	10 ⁺ 4/2 5/2	S	S	S	U 1.0	N/A
		12-24"	"	"	2.5 7/4 8/3	"	"	"		
		24-30"	"	"	2.5 7/4 8/3	"	"	"		
		30-48"	"	"	2.5 7/4 7/2 7/1 wet	"	"	"		
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	S	
System Type(s)	2C	N/A
Site LTAR	1.0	
Maximum Trench Depth	18"	

SITE CLASSIFICATION (.0509): U
 EVALUATED BY: Eric A. Hill
 OTHER(S) PRESENT:



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LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft ²)	SAPROLITE LTAR (gpd/ft ²)	LPP LTAR (gpd/ft ²)	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		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		0.05 - 0.15**	None	None	EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)			
N (Nose slope)		SICL (Silty clay loam)							None	None	None	None	None	P (Plastic)
R (Ridge/summit)		Si (Silt)												None
S (Shoulder slope)	SC (Sandy clay)	0.1 - 0.4	0.05 - 0.2	0.05 - 0.2	0.05 - 0.2	None	None	SEXP (Slightly expansive)						
T (Terrace)	SIC (Silty clay)							None	None	None	None	None	None	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 saporlite 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 saporlite 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)

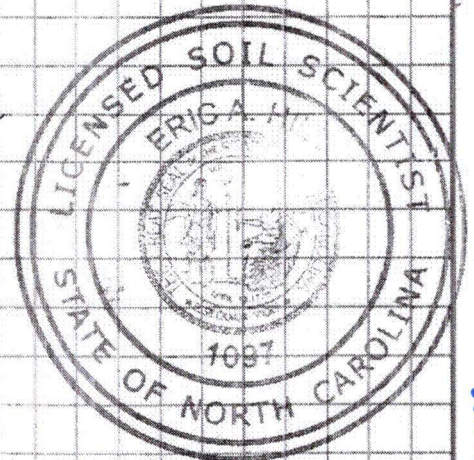
Show profile locations and other site features (dimensions, reference or benchmark, and North).

***NOTE**

SEE ATTACHED SITE PLAN

FOR SOIL AUGER BORING LOCATIONS

- ① Septic system is (2C) 3x40' drainlines w/6-8" fill (31'x50') USA 18" Trench Bottoms (39.50") TB.
- ② Benchmark is top of Utility/Cable Box (2'2.50") elevation.
- ③ Ground grade elevation for Septic System Field USA (4'8").



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