

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: ORB DATE EVALUATED: 3-11-25  
ADDRESS: 264 Alden Way Angie  
PROPOSED FACILITY: SFD 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	2% LS	0-12	SL, gc		7.5/R 7/1=21"	48"			.3	
		12-21	SCL, SBK	FI, SP, SS, SE						
		21-48	CL, wk SBK							
2, 3, 4, 7	2% LS	0-15	SL, gc		7.5/R 7/1=40"	48"			.3	
		15-40	SCL, SBK	FI, SP, SS, SE						
		40-48	CL, wk SBK							
5 #	2% LS	0-12	SL, gc		7.5/R 7/1=27"	48"			.3	
		12-27	SCL, SBK	FI, SS, SP, SE						
		27-48	CL, wk SBK							
6 4	2% LS	0-15	SL, gc		7.5/R 7/1=30"	48"			.3	
		15-30	SCL, SBK	FI, SS, SP, SE						
		30-48	CL, wk SBK							

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): <u>S</u> EVALUATED BY: <u>ML</u> OTHER(S) PRESENT: _____
Available Space (.0508)	<u>✓</u>	<u>✓</u>	
System Type(s)	<u>25% Rel</u>	<u>50% Rel</u>	
Site LTAR	<u>3</u>	<u>3</u>	
Maximum Trench Depth	<u>18"-15"</u>	<u>18"-26"</u>	
Comments: _____			

# 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**

**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

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

S (Suitable) or U (Unsuitable)

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

