

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

OWNER: Mairm 6:11:5 DATE EVALUATED: 10-18-0  
 ADDRESS: 50 G:11 LN  
 PROPOSED FACILITY: EX. SFD PROPOSED DESIGN FLOW (.0400): 360 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 CORR CTION
			.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ		
1	2.3% LS	0-26	SL, g <sup>c</sup>		7.5/R 7/2 = 36"	48"			.3	
		26-36	SCL, SOK	Fr, SS, SP, SE						
		36-48	CL, <sup>W</sup> SOK							
2 3	2.3% LS	0-30	SL, g <sup>c</sup>		7.5/R 7/2 = 36"	48"			.35	
		30-38	SCL, SOK	Fr, SS, NP, SE						
		38-48	CL, <sup>W</sup> SOK							
4	2.3% LS	0-26	SL, g <sup>c</sup>		7.5/R 7/2 = 30"	48"			.3	
		26-30	SCL/F:11? <sup>W</sup> SOK	Fr, SS, SP, SE						
		30-48	CL, <sup>W</sup> SOK							
5 6	2.3% LS	0-44	SL, g <sup>c</sup>		48"	48"			.4	
		44-46	SCL, SOK	Fr, SS, NP, SE						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	✓	✓
System Type(s)	<del>25%</del> EX. Conversion	25% Rep
Site LTAR	.3	.3
Maximum Trench Depth	18-24	18-26

SITE CLASSIFICATION (.0509): S  
 EVALUATED BY: RL  
 OTHER(S) PRESENT: \_\_\_\_\_

Comments: \_\_\_\_\_

# 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		S (Sticky)	SBK (Subangular block)			
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		0.15 - 0.3	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	None	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).

