

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Francisco Perez DATE EVALUATED: 3-6-24  
 ADDRESS: 45 Jewell Lane  
 PROPOSED FACILITY: Manufactory 14x56' PROPOSED DESIGN FLOW (.0400): 240 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	2-3% LS	0-15	SL, g1	Fr, NS, NP, SE	7.5/YR 7/1=38"	48"			.35	
		15-38	SCL, SBK	Fr, BS, NP, SE						
		38-48	CL, <sup>wk</sup> SBK	Fr, SS, NP, SE						
2, 3, 14, 12	2-3% LS	0-20	L, g1	Fr, NS, NP, SE	7.5/YR 7/1=29"	48"			.35	
		20-29	SL, g1	Fr, NS, NP, SE						
		29-44	SCL, SBK	Fr, SS, NP, SE						
		44-49	CL, <sup>wk</sup> SBK	Fr, SS, NP, SE						
4 5 6 3	2-3% LS	0-8	SL, g1	Fr, NS, NP, SE	7.5/YR 7/1=23"	48"			.3	
		8-23	<del>SL</del> CLAY, SBK	Fr, SS, NP, SE						
		23-48	CL, <sup>wk</sup> SBK	Fr, BS, NP, SE						
8 9 10 14	2-3% LS	0-25	SL, g1	Fr, NS, NP, SE	7.5/YR 7/1=25"	48"			.3	
		25-48	CLAY, SBK	Fr, SS, NP, SE						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): <u>5</u> EVALUATED BY: <u>RL/JM</u> OTHER(S) PRESENT: _____
Available Space (.0508)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
System Type(s)	<u>25% Red</u>	<u>50% Red</u>	
Site LTAR	<u>.35</u>	<u>.35</u>	
Maximum Trench Depth	<u>16"</u>	<u>16"</u>	

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	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		None	None	EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)						P (Plastic)	VP (Very plastic)	
R (Ridge/summit)		Si (Silt)								
S (Shoulder slope)		SC (Sandy clay)						SEXP (Slightly expansive)		
T (Terrace)	SiC (Silty clay)	0.1 - 0.4	0.05 - 0.2	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).**

