

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

OWNER: \_\_\_\_\_ DATE EVALUATED: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
PROPOSED FACILITY: \_\_\_\_\_ PROPOSED DESIGN FLOW (.0400): \_\_\_\_\_ 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	L.S.S. 5%	0-13	W, F, Gr/SL	VFr, NS, NP, Sexp	Redox 10YR 8/2 (@32	32			S 0.3	
		13-27	W, C, Gr/LS	VFr, NS, NP, Sexp						
		27-32	M, M, SBK/SC	VFr, VS, VP, exp						
2	L.S.S. 5%	0-14	W, F, Gr/SL	VFr, NS, NP, Sexp	10YR 8/2 @32	32			S 0.30	
		14-22	W, M, SBK/SL	Fi, SS, SP, Sexp						
		22-32	M, M, SBK/SC	Fi, S, P, Sexp						
3	L.S.S. 5%	0-13	W, F, Gr/SL	VFr, NS, NP, Sexp		48			S 0.4	
		13-42	W, C, Gr/LS	VFr, NS, NP, Sexp						
		42-48	M, M, SBK/SL	Fi, SS, SP, Sexp						
4	L.S.S. 4%	0-15	W, F, Gr/SL	VFr, NS, NP, Sexp		48			S 0.4	
		15-38	W, C, Gr/LS	VFr, NS, NP, Sexp						
		38-48	W, M, SBK/SL	Fi, SS, SP, Sexp						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): _____ EVALUATED BY: _____ OTHER(S) PRESENT: _____
Available Space (.0508)			
System Type(s)			
Site LTAR			
Maximum Trench Depth			
Comments:	See page 2		

## 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).**

A large rectangular area with a light gray grid pattern, intended for hand-drawn site profiles, dimensions, and other features. The grid is approximately 30 units wide by 40 units high.



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			.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ		
5	LSS 5%	0-15	w, FG+SL	Vfr, ns, mp, sexp	4/8				S  0.4	
		15-42	w, CG+LS	Vfr, ns, mp, sexp						
		42-48	w, m, SLK/SL	Fi, SS, SP, sexp						
2										
3										
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): <u>Suitable</u> EVALUATED BY: _____ OTHER(S) PRESENT: _____
Available Space (.0508)	✓	✓	
System Type(s)	✓	✓	
Site LTAR	0.4	0.3	
Maximum Trench Depth	28"	20"	
Comments: _____			
_____			
_____			

LEGEND

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FP (Flood plain)		L (Loam)		0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)	
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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	SEXP (Slightly expansive)
T (Terrace)	SiC (Silty clay)		EXP (Expansive)						
TS (Toe Slope)	C (Clay)								
		O (Organic)	None						

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DEPTH OF FILL

RESTRICTIVE HORIZON

SAPROLITE

SOIL WETNESS

CLASSIFICATION

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S (Suitable) or U (Unsuitable)

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## SITE SKETCH

PIN 0633-89-9609

Permit Number BRE2504-0017

Edgar and Rosalinda Jovel

Applicant's Name

Subdivision/Section/Lot Number

4/25/25

Authorized State Agent

Date \_\_\_\_\_

System components represent approximate contours only. The contractor must flag the system prior to beginning the installation to ensure that the proper grade is maintained.

Scale = NTS