DEPARTMENT OF HEALTH AND HUMAN SERVICES DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION ON-SITE WATER PROTECTION BRANCH

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PROPERTY ID #:	
COUNTY:	

## SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full) DATE EVALUATED: OWNER: ADDRESS: PROPOSED DESIGN FLOW (.0400): 340 PROPERTY SIZE: Born PROPOSED FACILITY: PROPERTY RECORDED: LOCATION OF SITE: Other WATER SUPPLY SETBACK: Single Family Well Shared Well Spring WATER SUPPLY: Public High Strength **IPWW** Domestic **EVALUATION METHOD:** TYPE OF WASTEWATER: Auger Boring Cut R OTHER PROFILE FACTORS SOIL MORPHOLOGY F I .0503 .0509 L .0504 .0502 E .0507 PROFILE SLOPE .0505 .0506 HORIZON SOIL .0503 LANDSCAPE CORRE SAPRO RESTR CLASS CONSISTENCE/ WETNESS/ SOIL STRUCTURE/ POSITION/ DEPTH CTION HORIZ & LTAR\* COLOR **DEPTH CLASS** TEXTURE MINERALOGY **SLOPE %** (IN.) 0-14 S SL NET ME / LA FR 5/51 10727/2 23K C -40 0-2 @ 36" 1 3 4

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	
Available Space (.0508)	-66		SITE CLASSIFICATION (.0509): 5 EVALUATED BY: 5
System Type(s)	50000	SAL	
Site LTAR	pw.		OTHER(S) PRESENT:
Maximum Trench Depth			
Comments:			
1			

## **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)		S (Sand)		0.6 - 0.8		MOIST	WET	SG (Single grain)
CV (Convex Slope)	1	LS (Loamy sand)	0.8 - 1.2	0.5 -0.7	0.4 -0.6	Lo (Loose)	NS (Non-sticky)	M (Massive)
D (Drainage way)	11	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)		SiL (Silt Ioam)		0.1 - 0.3	0.15 - 0.3	FI (Firm)	VS (Very sticky)	ABK (Angular blocky)
H (Head slope)		SCL (Sandy clay loam)	0.3 - 0.6	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)	-	SC (Sandy clay)				SEXP (Slightly expansive)		
T (Terrace)		SiC (Silty clay)	0.1 - 0.4			EXP (Expansive)		
TS (Toe Slope)		C (Clay)						-
	1	O (Organic)	None			]		

<sup>\*</sup> Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

HORIZON DEPTH

In inches below natural soil surface

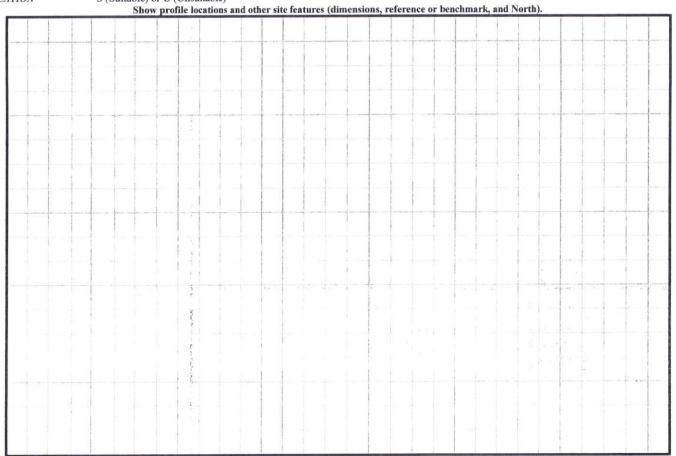
DEPTH OF FILL RESTRICTIVE HORIZON In inches from land surface Thickness and depth from land surface

SAPROLITE

S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits.

SOIL WETNESS CLASSIFICATION 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)



<sup>\*\*</sup>Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.