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

PROPERTY ID #:	Page _1_ of
COUNTY:	

SOIL/SITE EVALUATION for ON-SI	TE WASTEWATER SYSTEM
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OWNE	ER: Graig	Matthews	Realty I	OPOSED DESIGN I	neids in full)		DA	ΓΕ EVALU	ATED: 4	1-3-24
PROPO LOCA	OSED FACILITY TION OF SITE:	SFD	43 8 351 PR	OPOSED DESIGN I	FLOW (.0400):	>60	PROP	ERTY SIZE		
		Publio Sin	gle Family Well	Shared Well	Spring Oth	ier			SETBACK:	
EVAL	UATION METH	OD: Auge	er Boring Pit	Cut TY	PE OF WASTE	EWATER:	Domest	ic High	Strength	IPWW
P R O F I			SOIL MORPHOLOGY		ОТНЕ	R PROFII	LE FACTO	ORS		
L E #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRE CTION
	2%	0-12	52, 9r 52, 58K	r	7.5/K					
1,		12-32 32-48	EL SER	Fr, SS, Ny, SE	7/1=32"	48"			.3	
ź										
一	2% 15	0-14	SL, or							
2		14-34 34-48	CL, UKSEN	FGSTN115E	7/1=34"	484			. 3	
		J. (- 4/2)	(C) >41\							
3										
4										
_									-	

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	
Available Space (.0508)			SITE CLASSIFICATION (.0509):
System Type(s)	25%	23%	EVALUATED BY:
Site LTAR	. 3	-3	OTHER(S) PRESENT:
Maximum Trench Depth	18 20"	204-22K	
Comments:		V.	

## **LEGEND**

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)			LPP LTAR MINERALOGY/ (gpd/ft²) 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)	п	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)			0.1 - 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	0.0	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)				0.05 - 0.2	SEXP (Slightly expansive)		
T (Terrace)	IV	SiC (Silty clay)	0.1 - 0.4				-EXP (Expansive)		
TS (Toe Slope)		C (Clay)							•
		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

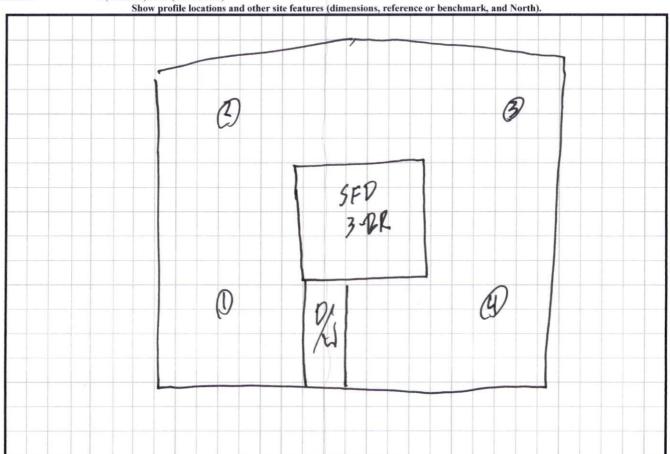
DEPTH OF FILL RESTRICTIVE HORIZON In inches from land surface Thickness and depth from land surface

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.