DEPARTMENT OF HEALTH AND HUMAN SERVICES DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION ON-SITE WATER PROTECTION BRANCH  $\frac{1}{i}$ 

PROPERTY ID #:

COUNTY: HarneTT

SOIL/SITE EVALUATION	for ON-SITE	WASTEWATER	SYSTEM
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OWNE ADDR	DWNER: Ryan Blackan (Complete all fields in full)  DATE EVALUATED: 1/3-24  ADDRESS: 1/20 Nurgrass Rd  PROPOSED FACILITY: SFD PROPOSED DESIGN FLOW (.0400): 480 PROPERTY SIZE: 1.14cre											
PROPO LOCA	LOCATION OF SITE: Same 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	SOIL MORPHOLOGY OTHER PROFILE FACTORS											
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*	.0502(d) SLOPE CORRE CTION		
1	L 2-5%	0-10 10- <b>36</b> 36.48	25 39 C	Filssplaxs	104R8/1 =>36"	<u>&gt;</u> 36"	_	MASSIVE Clay & 36"	S .3			
L		0-10	<i>LS</i>	Elmino				MASSIVA				
2	2-5%	10- <b>30</b> 30.48	_	tr/wp/nxp Fi/ssp/sxP	204R8/1 >30"	>30	_	clay	<i>S</i> .3			
3	2-56	0-12 12- <b>3</b> 8 38-48	LS SC	F-/NSP/NXP F-/SSP/SXP	10yR8/1 >38"	>38"		MASSIVI CLAY 38"	5.3			
4	2-5%	0-10 10-36 36-48	LS Se C	Fi/ssplsxl	10728/1 ≥36°	>36	_	MASINE Clong B	S .3			
and the same of						Market Market						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	
Available Space (.0508)	-		SITE CLASSIFICATION (.0509):
System Type(s)	252/10	25% red	EVALUATED BY: Man REHS
Site LTAR	.3	.3	OTHER(S) PRESENT: $A \cdot \omega$ .
Maximum Trench Depth	18	18	
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)	ı	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)	25.000 10.000	0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)
FS (Foot slope)		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)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)
L (Linear Slope)	Ш	CL (Clay loam)	0.3 - 0.6			EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)			P (Plastic)			
R (Ridge/summit)		Si (Silt)		None	е,		VP (Very plastic)	
S (Shoulder slope)		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)						1
		O (Organic)	None					

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

HORIZON DEPTH DEPTH OF FILL

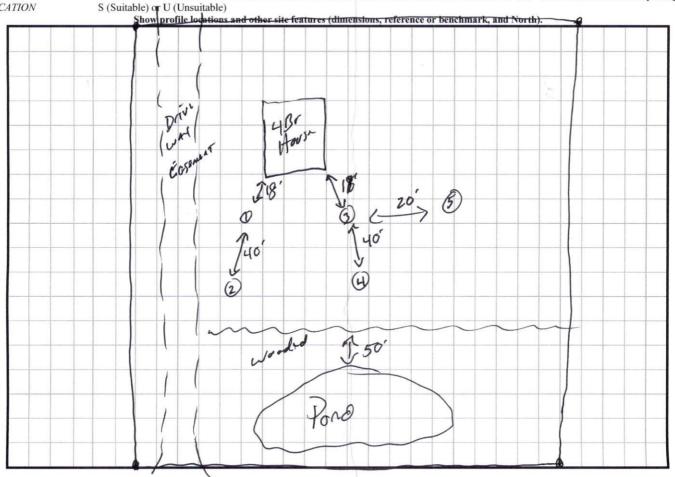
In inches below natural soil surface

In inches from land surface Thickness and depth from land surface

RESTRICTIVE HORIZON **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



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

## SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

	Page	of
PROPERTY ID #:		
DATE OF EVALUATION:		
COUNTY		

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P R O F	.0502 LANDSCAPE POSITION/ SLOPE %		SOIL MORPHOLOGY		OTHER PROFILE FACTORS					
I L E		HORIZON DEPTH (IN.)	.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0506 SOIL DEPTH	.0507 SAPRO CLASS	.0508 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRE CTION
5		0-12	28 S( C	Filssplaxe	104R8/1	>79"		Massine Clay O 34°	·3	

COMMENTS: