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

12-36

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PROPERTY ID #:	
COLINTY	4-1

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

(Complete all fields in full) DATE EVALUATED: OWNER: ADDRESS: PROPOSED FACILITY: 4 BDWO PROPERTY SIZE: 85 NOREC PROPOSED DESIGN FLOW (.0400): 430 (00 PROPERTY RECORDED: LOCATION OF SITE: WATER SUPPLY: Public WATER SUPPLY SETBACK: Single Family Well Shared Well Spring Other **IPWW** TYPE OF WASTEWATER: Domestic High Strength **EVALUATION METHOD:** Auger Boring R SOIL MORPHOLOGY OTHER PROFILE FACTORS 0 F L .0503 .0502 .0504 .0509 E **PROFILE** SLOPE .0506 .0507 LANDSCAPE HORIZON .0503 .0503 SOIL .0505 CORRE CONSISTENCE/ WETNESS/ SOIL SAPRO RESTR CLASS STRUCTURE/ POSITION/ DEPTH DEPTH CLASS HORIZ & LTAR\* CTION TEXTURE MINERALOGY COLOR **SLOPE %** (IN.) LS VFN NS/W 0-12 LS 95 531C C FO2 55/50 12-24 0.2 VERZNSING 24-40 (B) (- 5 VFD 15/10 GES 0-12

	3	a .	0-18	6 LS 53 K C C 5	PURILARY Spelce SA PURILARY			P5 ,24	
		7.	A.,	1.0					
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DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM		
Available Space (.0508)			SITE CLASSIFICATION (.0509):	
System Type(s)			EVALUATED BY:	
Site LTAR			OTHER(S) PRESENT:	
Maximum Trench Depth				
Comments:				

## **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)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)	1	LS (Loamy sand)		0.5 -0.7		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)	3 p	0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)
FS (Foot slope)	Ш	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	0.05 - 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)				SEXP (Slightly expansive)		
T (Terrace)		SiC (Silty clay)	0.1 - 0.4			EXP (Expansive)		
TS (Toe Slope)		C (Clay)						,
		O (Organic)	None	1				

<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

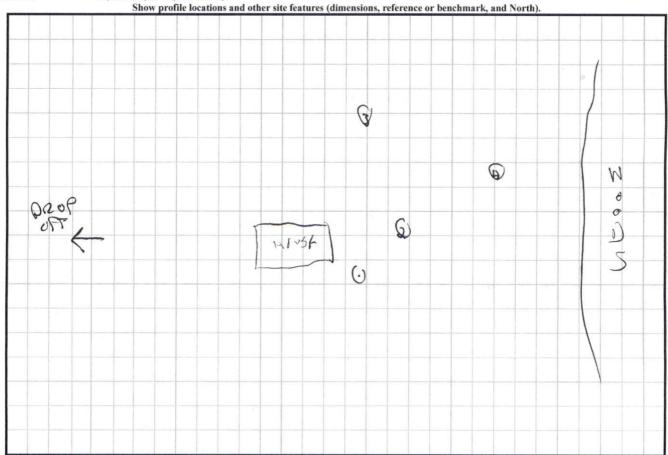
**SAPROLITE** 

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.