DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 4841631182
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: RYAN WEISNER — APPLICATION DATE: 6-5-15
ADDRESS: 291 WEISNER RD STATESVILLE NC 28625 — DATE EVALUATED: 6-18-15
PROPOSED FACILITY: 3 BR HSE — PROPOSED DESIGN FLOW (.1949): 360 — PROPERTY SIZE: 6.68
LOCATION OF SITE: 21 N TO TOWNSVILLE, L WEISNER ON LEFT — PROPERTY RECORDED: YES
WATER SUPPLY: • Private • Public • Well • Spring • X Other Community
EVALUATION METHOD: X Auger Boring • Pit • Cut — TYPE OF WASTEWATER: X Sewage • Industrial Process • Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	12' in 10' LSS	0-10'	scl wk gr	fr nsnp nmo	>48"	>48"	>48"	>47"	PS 1.3
		10-28	c mod sbk	fr sp smp					
		28-48	c wk sbk	fr sss pl so					
2	12' in 10' LSS	0-10	scl wk gr	fr nsnp nmo	>48"	>48"	>48"	>48"	PS 1.3
		10-32"	c mod sbk	fr sp st so					
		32-48"	c wk sbk	fr sss pl so	-7sq inclusion <50%				
3	12' in 10' LSS	0-8	scl wk gr	fr nsnp nmo	34-12-4=18" Trench Bottom				PS 1.3
		8-34'	c mod sbk	fr sp so	>34"	34"	>34"	34"	
		(34")	ROCK						
4	12" in 10' LSS	0-8	scl wk gr	fr nsnp nmo	45-12-4=29"				PS 1.3
		8-34"	c mod sbk	fr sp so	>45"	45"	>45"	45"	
		34-45	c wk sbk	fr sss pl so	-7sq inclusion <50% to 45"				
		45"	ROCK						

INITIAL

REPAIR LINE

INITIAL

≥ 19
34
-16
18" TBS

45
-16
29

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	YES	YES
System Type(s)	LPP 25%	LPP 25%
Site LTAR	.3	.3

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: L. COOK
OTHER(S) PRESENT: N/A

COMMENTS: SHALLOW TRENCH BOTTOM DUE TO ROCK

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			SEXP (Slightly Expansive)	M (Massive)
D (Drainage Way)					EXP (Expansive)	CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			MOIST	WET
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

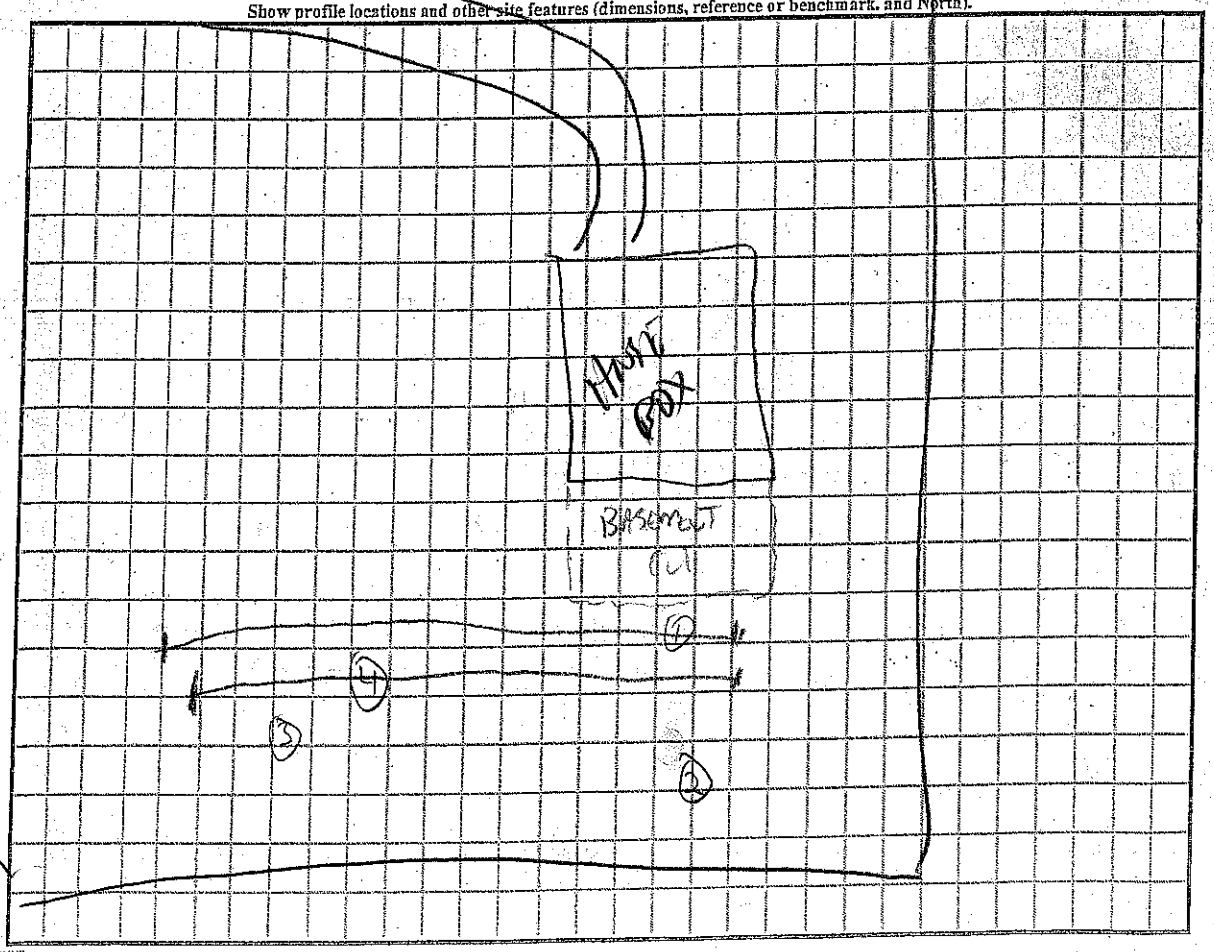
NOTES

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)
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), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).



DENR (#######)
Review (######)