DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 0220995522
COUNTY: IREDELL
159389

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: JOEL HEPLER
ADDRESS: 125 RALE PATH Rd Union Grove NC 28689
PROPOSED FACILITY: 3Br House
PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: 125 Rale Path RD
WATER SUPPLY: X Private • Public • Well • Spring • Other
EVALUATION METHOD: X Auger Boring • Pit • Cut

APPLICATION DATE: 12-28-10
DATE EVALUATED: 1-14-10
PROPERTY SIZE: 7.80
PROPERTY RECORDED: NO
TYPE OF WASTEWATER: X Sewage • Industrial Process • Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	20% L 24" in 10' L	0-6"	scl wk gr	f ns np nsp	N/A	48"	N/A	N/A	PS .35
		6-24"	c wk sbk	f ss sp ssp					
		24-48"	cl wk sbk	f ss sp sexp					
			sap incl <50% 36"-48"						
2	23% L 23" in 10' L	0-3"	scl wk gr	f ns np nsp	N/A	48"	N/A	N/A	PS .3
		3-42"	c med sbk	f sp sexp					
		42-48"	cl wk sbk	f ss sp sexp					
			sap incl <50% 42-48"						
3	27% L 30" in 10' L	0-3"	scl wk gr	f ns np nsp	N/A	48"	N/A	N/A	PS .3
		3-42"	c med sbk	f sp sexp					
		42-48"	cl wk sbk	f ss sp sexp					
			sap incl <50% 42-48"						
4	27% L 30" in 10' L	0-3	scl wk gr		44-12"-10" = 22" DEPTH SOIL WETNESS SLOPE N/A	44"	N/A	TB BEDROCK 44"	PS .3
		3-28"	c med sbk	f ss sp ssp					
		28-44"	cl wk sbk	f ss sp sbr					
			sap incl <50% 28-44"						
		44"	rock						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	YES	YES
System Type(s)	GRAV CONV	SAME
Site LTAR	.3	.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: L. COOK
OTHER(S) PRESENT: J. Hepler

COMMENTS: Rock Bed IS 22" TO ONE 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.

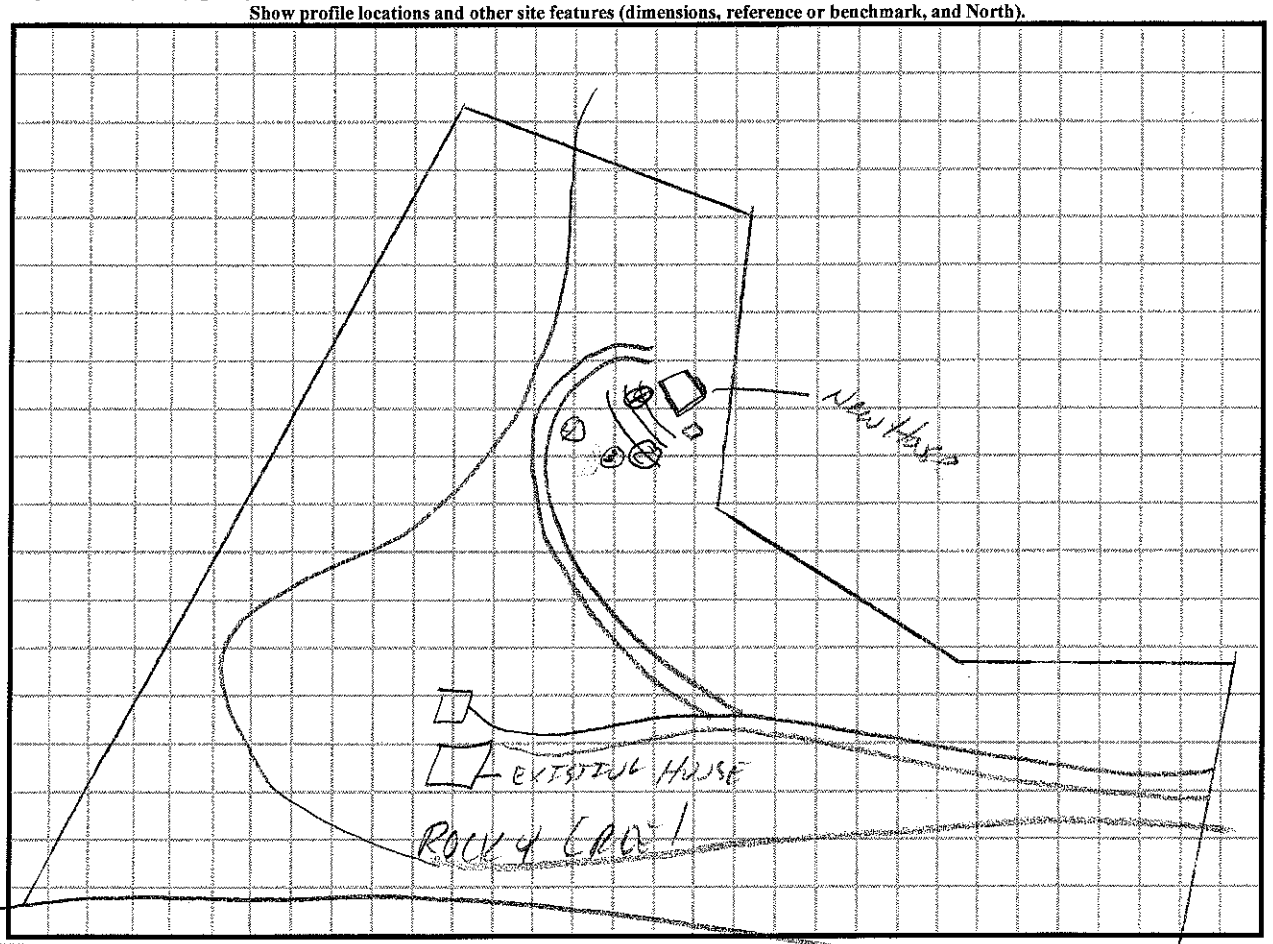
NOTES

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 (#####)