DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 4746352985
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Derone Mitchell — APPLICATION DATE 4-22-15
ADDRESS: 198 Victoria Dr. — DATE EVALUATED: 5-4-15
PROPOSED FACILITY: SFD — PROPOSED DESIGN FLOW (.1949): 360gpd — PROPERTY SIZE: 0.6 acres
LOCATION OF SITE: 198 Victoria Drive — PROPERTY RECORDED: Yes
WATER SUPPLY: • Private • (Public) • Well • Spring • Other N/A
EVALUATION METHOD: • (Auger Boring) • Pit • Cut — TYPE OF WASTEWATER: • (Sewage) • Industrial Process • Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	4% L	0-6	SCL SBK	F Mod SE	>48"	>48"	>48"	>48"	PS 0.3
		6-26	C micaSBK	Fi Mod SE					
		26-48	BC micaWSBK	Fr mod SE					
2	1% L	0-12	SCL SBK	Fi Mod SE	>48"	>48"	>48"	>48"	PS 0.3
		12-30	C micaSBK	Fi Mod SE					
		30-48	BC micaWSBK	Fr Mod SE					
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		PS
System Type(s)		II
Site LTAR		0.3

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: [signature]
OTHER(S) PRESENT: N/A

COMMENTS: N/A

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)			MOIST	WET
R (Ridge)		SCL (Sandy Clay Loam)				
S (Shoulder Slope)		SiL (Silt Loam)			VFR (Very Friable)	NS (Non-sticky)
T (Terrace)					FR (Friable)	SS (Slightly Sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FI (Firm)	S (Sticky)
		SiC (Silty Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		C (Clay)			EFI (Extremely Firm)	NP (Non-plastic)
		O (Organic)	None	None		SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

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

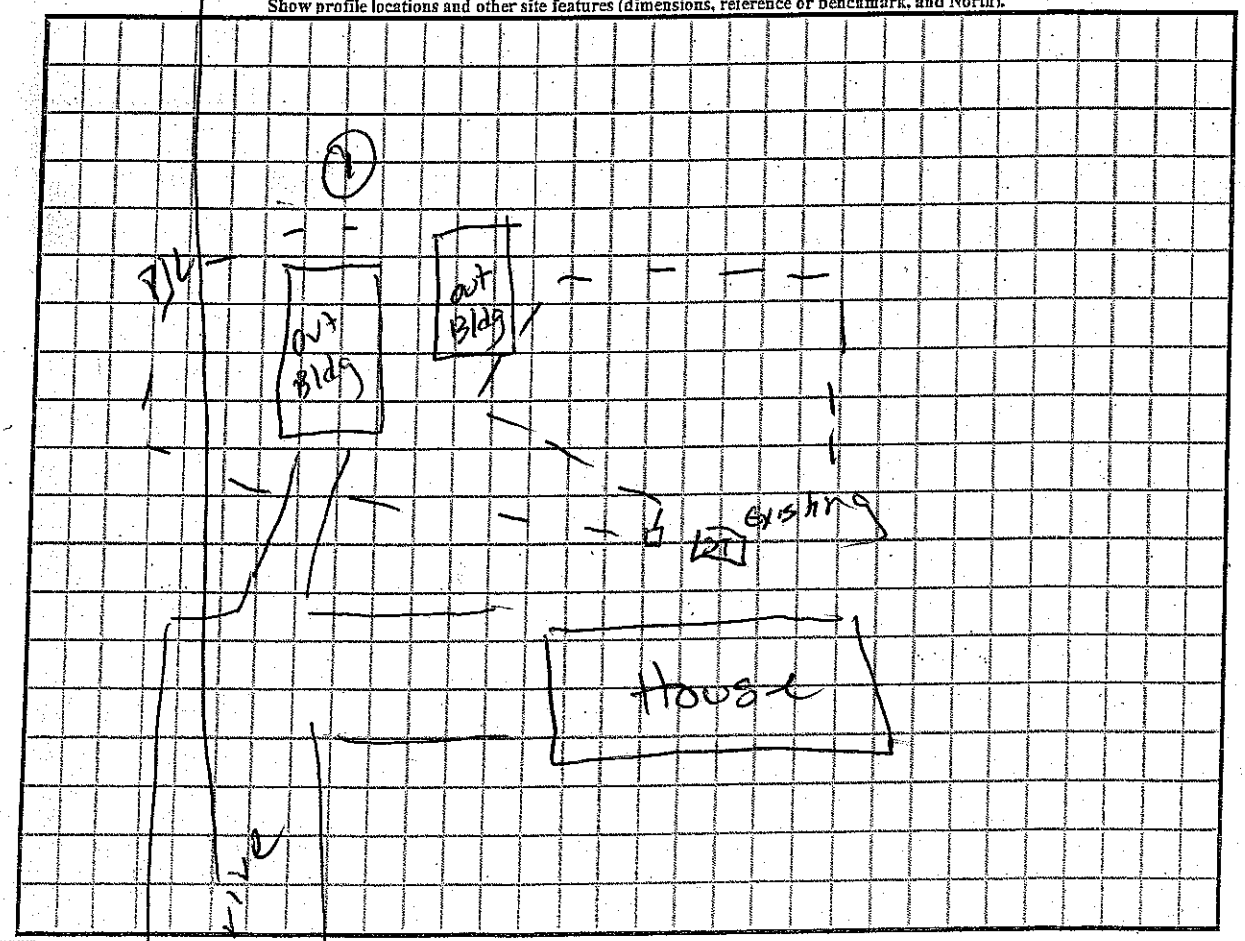
NOTES

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 (#####)