DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 4716153498
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: JOHNNY MORRISON
ADDRESS: 122 FORTUNES TRAIL, STATESVILLE, NC 28625
PROPOSED FACILITY: 3BR H/SUB
PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: MORRISON FIELDS LOT #2
WATER SUPPLY: • Private • ✓Public • Well • Spring • Other
EVALUATION METHOD: • ✓Auger Boring • Pit • Cut
TYPE OF WASTEWATER: • ✓Sewage • Industrial Process • Mixed

APPLICATION DATE: 2-2-12
DATE EVALUATED: 2-22-12
PROPERTY SIZE: 0.433 AC
PROPERTY RECORDED: YES

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	SLIGHT N 2%	0-9	SBK CL	FR SS/SP SPP	N/A	PS TO 48"	N/A	N/A	PS 0.3
		9-42	SBK MICACEOUS C	FR SS/SP SPP					
		42-48	SBK SAP INC CL	FR SS/SP SPP					
2	SLIGHT N 2.5%	0-17	MFSBK CL	FR SS/SP SPP	N/A	PS TO 48"	N/A	N/A	PS 0.35
		17-29	MFSBK MICACEOUS CL	VFR NS/NP SPP					
		29-48	MFSBK MICACEOUS SCL	VFR SS/SP SPP					
3	SLIGHT 2%	0-27	MMABK C	FR SS/SP SPP	N/A	PS TO 48"	N/A	N/A	PS 0.3
		27-48	MFABK MICACEOUS CL	FR SS/SP SPP					
4	SLIGHT 2.5%	0-25	MMABK C	FR SS/SP SPP	N/A	PS TO 48"	N/A	N/A	PS 0.3
		25-48	MFABK MICACEOUS CL	FR SS/SP SPP					

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

OTHER FACTORS (.1946): NONE
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: S. HENDRICK / K. MCCLURE
OTHER(S) PRESENT: JOHNNY MORRISON

COMMENTS: REMOVE & FILL PRIOR TO ISSUANCE OF AC
STOCKPILED SOIL

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.

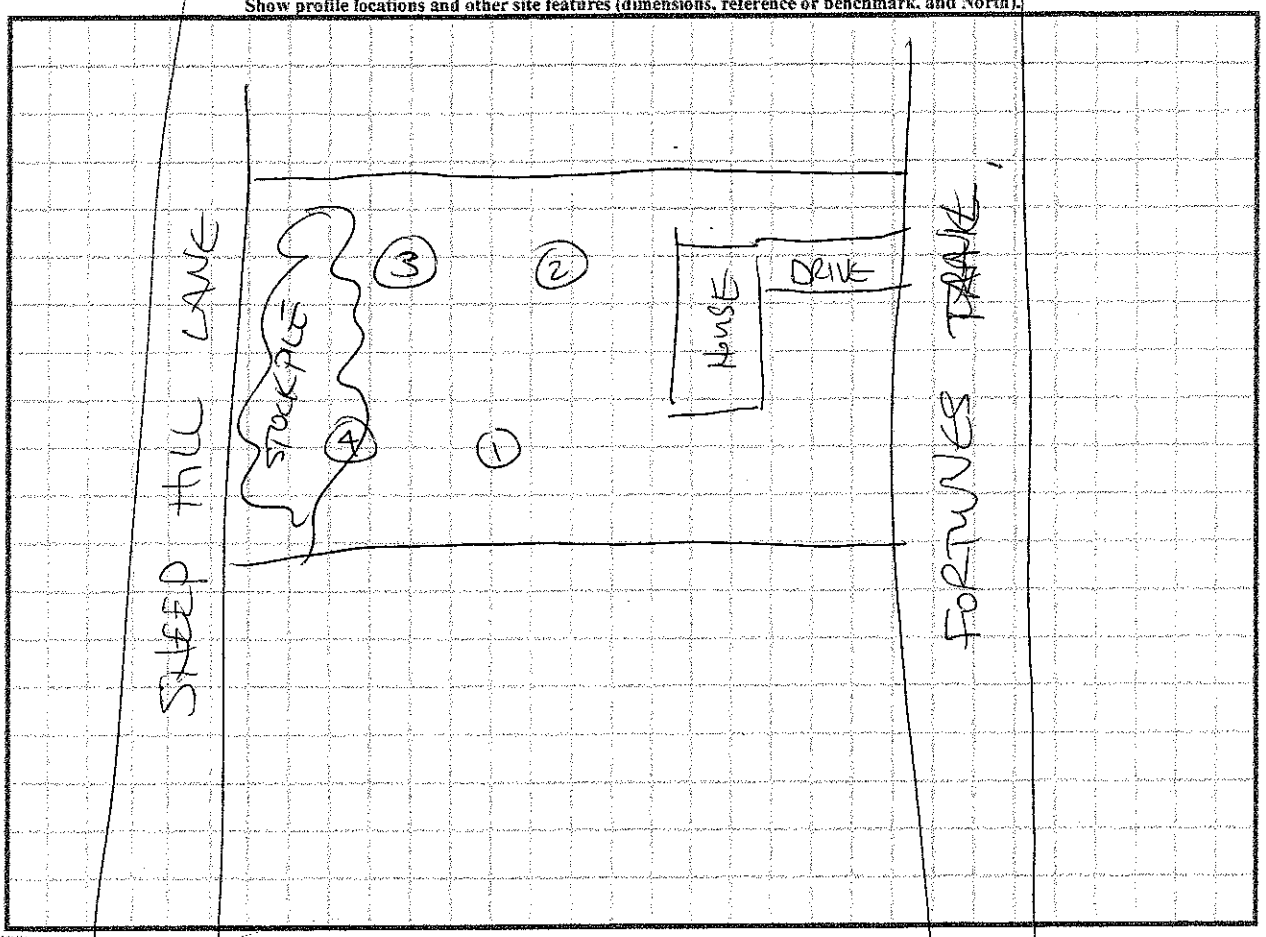
NOTES

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/ft²

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



DENR (######)

Review (#####)

SCOTTS CREEK ROAD