DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 4747-54-4762
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: TERRANCE HAMBY
ADDRESS: 262 DONSDALE DR
PROPOSED FACILITY: 3BR HOUSE PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: DONSDALE II LOT 70
WATER SUPPLY: • Private ✓ Public • Well • Spring • Other
EVALUATION METHOD: • Auger Boring ✓ Pit • Cut

APPLICATION DATE 1/28/11
DATE EVALUATED: 3/9/11
PROPERTY SIZE: 0.937 ACRE
PROPERTY RECORDED:
TYPE OF WASTEWATER: ✓ 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
PIT 1	L 8%	0-26	FILL	MATERIAL	NA	PS BELOW 26" TO 76"	PS	N/A	0.25
		26-52	ABK C	FR SS/SP SEAP					
		52-76	WSBK SAPMIX SC	VFR SS/SP SEAP					
PIT 2	L 8%	0-28	FILL	MATERIAL	NA	PS BELOW 28" TO 77"	PS	N/K	0.25
		28-54	ABK C	FR SS/SP SEAP					
		54-77	WABK SAPMIX CL	FR SS/SP SEAP					
PIT 3	L 8%	0-4	SBK L	VFR NS/NP SOAP	PS	PS TO 33"	N/A	N/A	0.25 PS TO 33"
		4-26	ABK C	FI SS/SP SOAP	2.5Y 7/4				
		26-33	ABK CL	FR SS/SP SOAP	2.5Y 7/2 @ 33"				
		33-60	ABK CL	FR SS/SP SOAP					
PIT 4	L 8%	0-4	SBK CL	VFR SS/SP SOAP	PS	PS TO 32"	N/A	N/A	0.25 PS TO 32"
		4-28	ABK C	FI SS/SP SOAP					
		28-32	ABK CL	FR SS/SP SOAP					
		32-62	ABK CL	FR SS/SP SOAP	2.5Y 7/2 @ 32"				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III BELOW FILL	III @ 32"
Site LTAR	0.25	0.25

OTHER FACTORS (.1946): NONE
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: S. HEDRICK
OTHER(S) PRESENT: T. HAMBY, PHILLIP & MATHEW MOORESFIELD

COMMENTS: REMOVE FILL PRIOR TO ISSUANCE OF A/C
REPAIR AREA MAXIMUM TRENCH BOTTOM DEPTH = 20 INCHES

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.

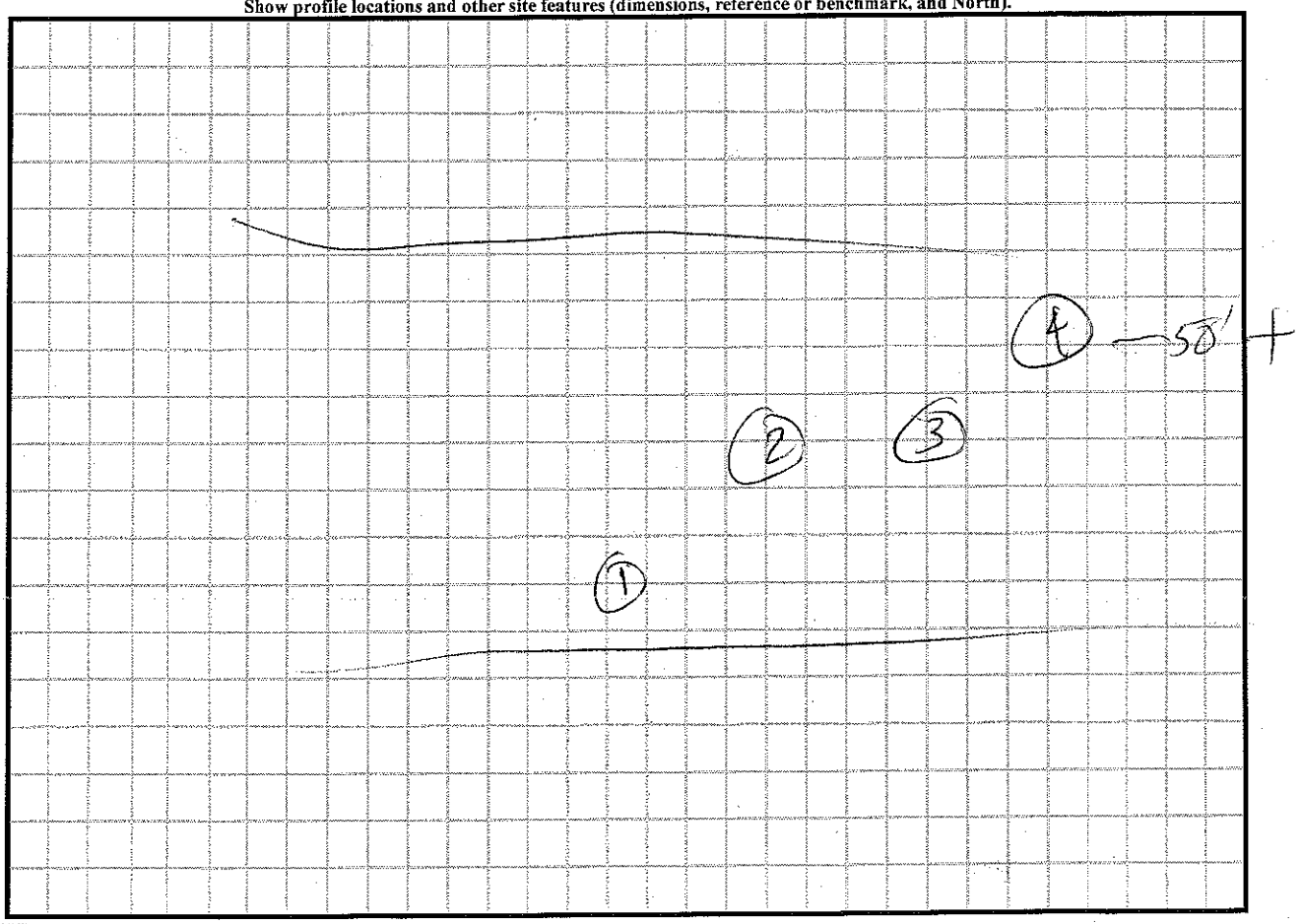
NOTES

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 (#####)