DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

158304
3794-52-3234

Sheet 1 of
PROPERTY ID #:
COUNTY: IREDELL

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

OWNER: Brenda Sleeth APPLICATION DATE 9-22-09
ADDRESS: 126 Greenmount Drive DATE EVALUATED: 9-28-09
PROPOSED FACILITY: House PROPOSED DESIGN FLOW (.1949): 480 PROPERTY SIZE: 1.172
LOCATION OF SITE: Old Mtn Rd (R Lindsey R Guard) PROPERTY RECORDED:
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LAND-SCAPE POSITION/ SLOPE %	HORI-ZON 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	BS 2	0-7	SC WBK	SSSPSeph	mica inclusions				
		7-48	C WBK	SSSPSeph					
					NA	HS	NA	NA	.25
2	BT 2	0-5	SC WBK	SSSPSeph	mica inclusions				
		5-41	SC WBK	SSSPSeph					
					NA	NA	NA	NA	.25
3	FP 2	0-6	C WBK	SSSPSeph	mica inclusions				
		6-48	C WBK	SSSPSeph					
					NA	NA	NA	NA	RT
4	BS 2	0-5	C WBK	SSSPSeph	mica inclusions				
		5-48	C WBK	SSSPSeph					
					NA	NA	NA	ND	.25

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1920/480	1920/320
System Type(s)	2530 G	50% CWP
Site LTAR	.25	.25

OTHER FACTORS (.1946): NONE
SITE CLASSIFICATION (.1948): B
EVALUATED BY: Kelly Cook
OTHER(S) PRESENT:

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTU
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	SCL (Sandy Clay Loam)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiL (Silt Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SiCL (Silty Clay Loam)			MOIST	WET
S (Shoulder Slope)		Si (Silt)				
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		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.

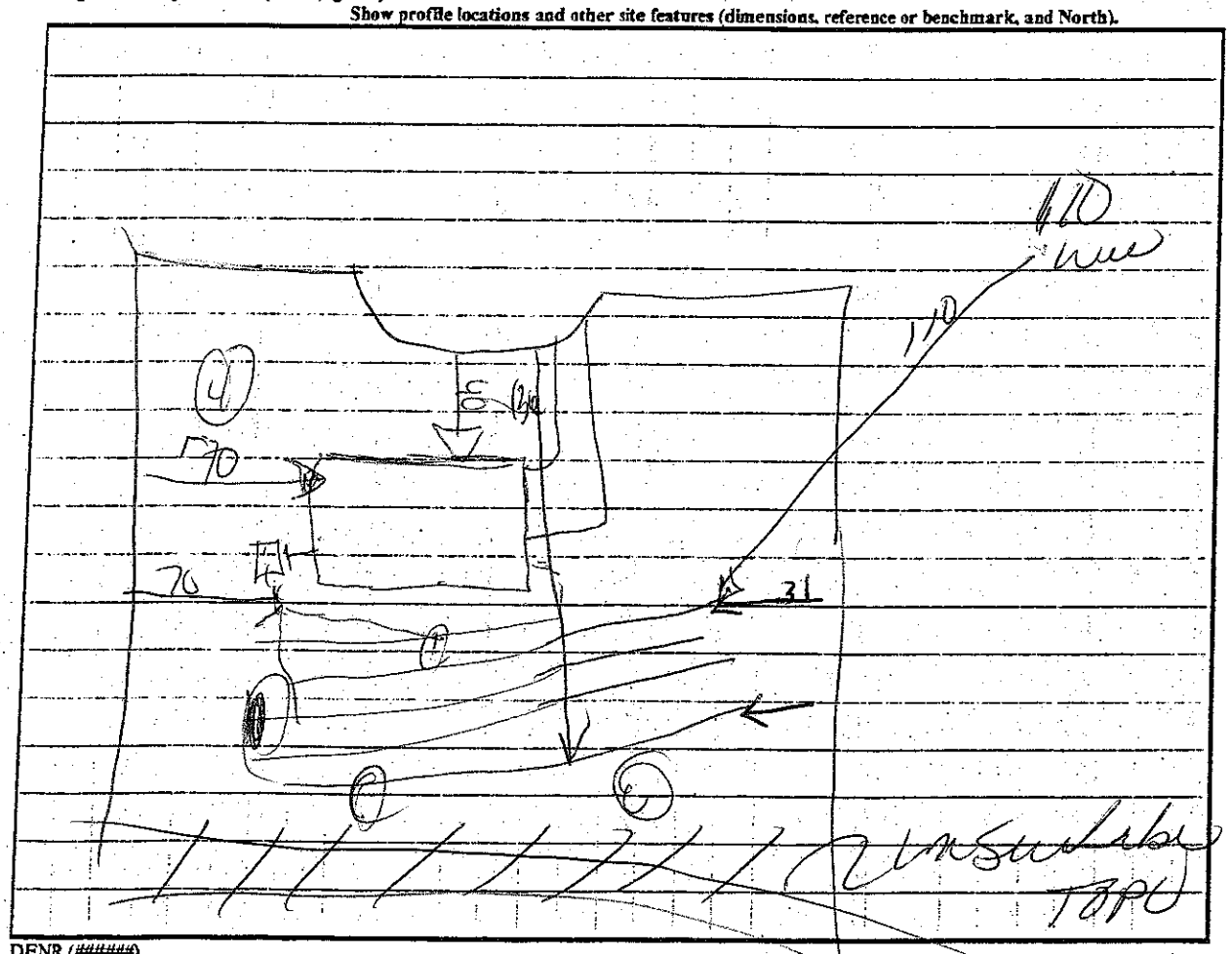
NOTES

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 (#####)