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

Sheet ___ of
PROPERTY ID #: 4870771227
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: DERRICK SMITH APPLICANT: SAME
ADDRESS: 133 ISA'S LUM ST. APPLICATION DATE: 11-27-02 DATE EVALUATED: 12-1
PROPOSED FACILITY: 3BR S/W PROPOSED DESIGN FLOW (.1949): 360 PROPERTY SIZE: 0.700 ACRE
LOCATION OF SITE: 133 ISA'S LUM ST., HARMONY, 28634 PROPERTY RECORDED: ___
WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other ___
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	PROFIL CLASS & LTAR
1	L	0-10	SBK C	FR SS/SP SEAP					0-28"
		10-28	ABK C	FR SS/P SEAP					PS
		28-42	ABK C	FR SS/VP EXP		PS			
		42-48	ABK SAP/MIX C	FR SS/VP EXP	10YR 8/1	U	U		0.25
2	L	0-6	PLATY C	FR SS/P SEAP					
		6-10	ABK C	FR SS/SP SEAP					
		10-16	PLATY C	FR SS/SP SEAP					U
		16-22	PLATY CL	FR SS/SP SEAP					
		22-48	PLATY CL SAPROLITE	VFR SEAP		U	U		
3	L	0-11	SBK C	FR SS/P SEAP					0-24"
		11-29	GRAVELLY ABK SC	FR SS/SP SEAP	2.5Y 7/3				PS
		29-48	ABK SCL-CL SAPROLITE	FR SS/SP SEAP	2.5YR 8/1	U	U		0.3
4	L	0-11	SBK C	FR SS/SP SEAP					0.36"
		11-20	ABK C	FR SS/SP SEAP					PS
		20-30	ABK GRAVELLY C	FR SS/SP SEAP					0.3
		30-36	ABK C	FR-FI SS/P SEAP					
		36-48	WFABK CL SAPROLITE	FR SS/SP SEAP		U	U		

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR	U	U

OTHER FACTORS (.1946): NONE
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: S. HEDRICK
OTHER(S) PRESENT: DARYL CROTTS

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)		SLC (Silt Loam Clay)				
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)
					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)

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).

