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

Sheet ___ of ___
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: TODD ELLIS APPLICANT: _____
ADDRESS: _____ APPLICATION DATE: _____ DATE EVALUATED: 11-4-02
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: SPRING FORREST LOT 11 PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

HOLE 3 = DUG ON 10-30-02 HAS CLOSE TO 3" OF RAIN IN 2 DAYS. HOLE FILLED UP WITH H2O, WAIT TIL DRIES UP

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	light brown/ brown more red	0-4"	scl wk gr	fr, ns/ss, np/sp, pvp/sp	26"-32" mixed 26" yellow/red mottles				
		4-26"	c, wk, fcw abk massive	fr, s/vs, p/vp, scp/exp	26" 10R 4/8 / 2.5Y 7/8				
		32-48"	c, med, abk	fr, s/vs, p/vp, scp/exp	32" 10YR 7/6 light yellow 32" 10YR 6/1 32" 10YR 5/1		32-36" mixed		
					36" less mottles more red still yellow 10yr 7/6				
					36" 10yr 6/2 36-48" mixed				
2		0-6"	scl wk gr	fr ns np pvp	26" 10R 4/8 mixed 10YR 7/6				
		6-48"	c med abk	fr, s, p, sexp	29" 10YR 5/2 44" 10YR 6/1 mixed				
4					~~X~~ OVER RULED BY [redacted] APPEAL. GENE YOUNGS SOIL NOTES ATTACHED				

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

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): US
EVALUATED BY: L. COOK
OTHER(S) PRESENT: _____

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)

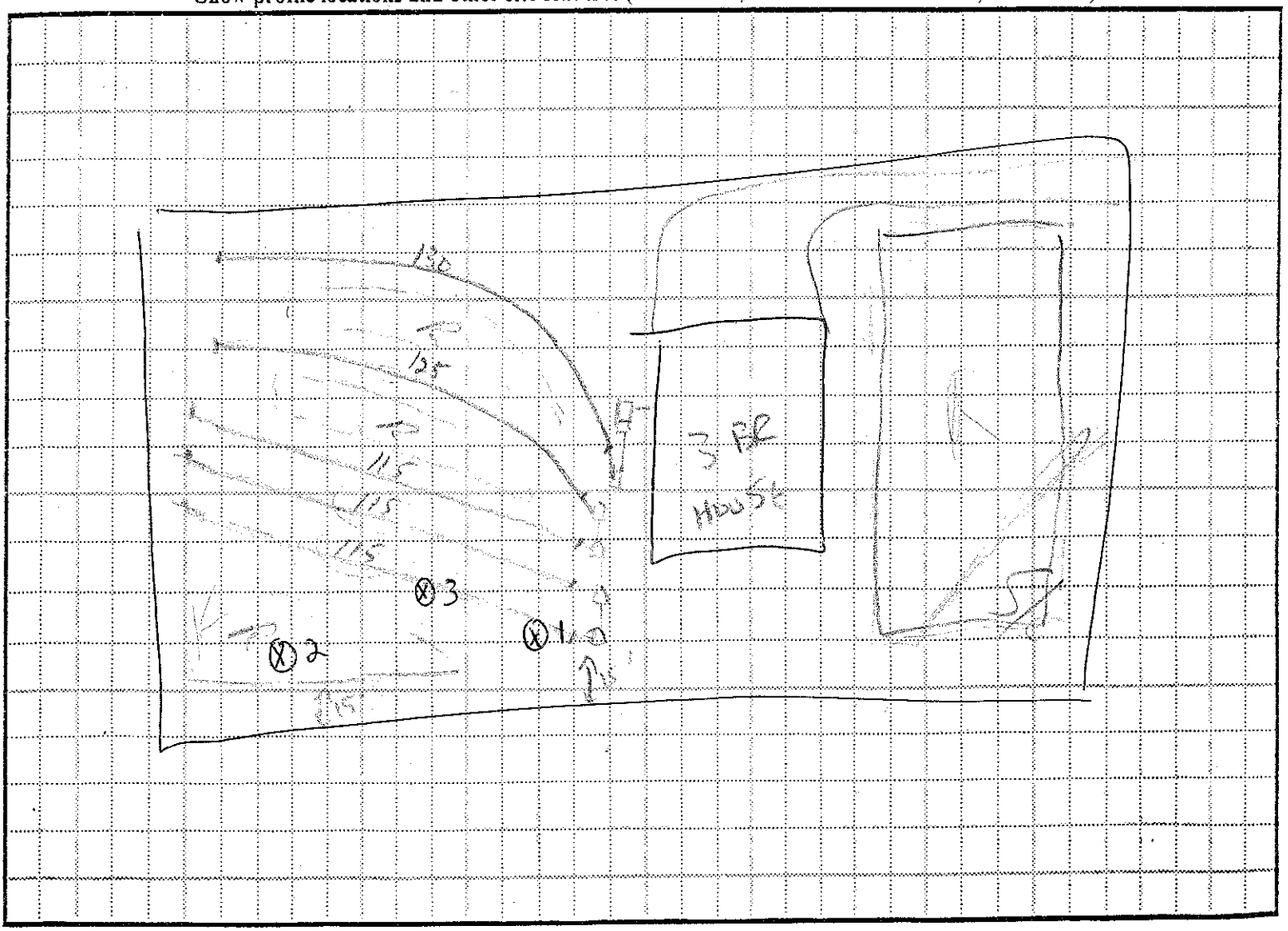
NOTES

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).



IREDELL

① 0-16 SL fr. GS SP SEXP
16-31 C SIHI SC SEXP
31-36 C PL/ABK SP SEXP
36-48 C SCR/MSR - SAP INC.
(.25) 16" TRENCH B.

② 0-16 SL fr. GS SP SEXP
16-40 C SIHI SC SEXP
40-48 C PL/ABK SP SEXP
(.25)

③ 0-24 C PL/ABK SP SEXP
24-48 C CB1 SL fr
.3 Denser than 24

④ 0-16 SL fr. GS SP SEXP
16-30 C SIHI SP SEXP
30-48' C PL/ABK SP SEXP
16" TB

* GENE YOUNG
NRCS SOIL SCIENTIST

SPRING FOREST 12-19-02
LOT 19

PEOPLE PRESENT: A. LORETTO
GENE YOUNG
BRADY FREEMAN
DAVID YOUNTZ
TODD ELLIS SHOWED UP LATER.

SKETCHED IN LINES

LOT 11

NOT TO SCALE

