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

Sheet ___ of _
PROPERTY ID #: _
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: _____ APPLICANT: _____
ADDRESS: _____ APPLICATION DATE: _____ DATE EVALUATED: 09/23/02
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: #7 Hemlock Rd. 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		0-11	w, F, G, SCL	VFr, SS, NP, NEXP	SLIGHT GRAYISH BROWN MOTELS @ ~19"	(SAP MIX ≤ 50% @ 14")			PS 0.25
		11-36	w/m, ABK, C	Fr, S, P, SEXP					
		36-48	SAP MIX ≥ 50%						
2		0-8	w, F, G, SCL	Fr, SS, NP					PS 0.25
		8-16	w, m, abk, C	Fr/Fi, S, P, SEXP					
		16-48	w, abk, C + SAP MIX ≥ 50%						
3		0-10	w, F, G/sbk, SC	Fr, SS, SP, SEXP	(SAP MIX ≤ 50% @ 22")				PS 0.25
		10-48	w, abk, C	Fr/Fi, S, P, SEXP					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	PS	PS
Site LTAR	0.25	0.25

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Patrick Mitchell
OTHER(S) PRESENT: Steve Hedrick

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR	LPP .1957 LTAR	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope) CV (Convex Slope) D (Drainage Way) DS (Debris Slump) FP (Flood Plain) FS (Foot Slope) H (Head Slope) L (Linear Slope) N (Nose Slope) R (Ridge) S (Shoulder Slope) T (Terrace)	I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive) SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky ABK (Angular Blocky) PL (Platy) PR (Prismatic)
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	SI (Silt) SICL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SLC (Silt Loam Clay)	0.6 - 0.3	0.3 - 0.15		
					MOIST	WET
	IV	SC (Sandy Clay) SIC (Silty Clay)	0.4 - 0.1	0.2 - 0.05	VFR (Very Friable) FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky) EFI (Extremely Firm)	NS (Non-sticky) SS (Slightly Sticky) S (Sticky) VS (Very Sticky) NP (Non-plastic) SP (Slightly Plastic) P (Plastic) VP (Very Plastic)
		O (Organic)	None			

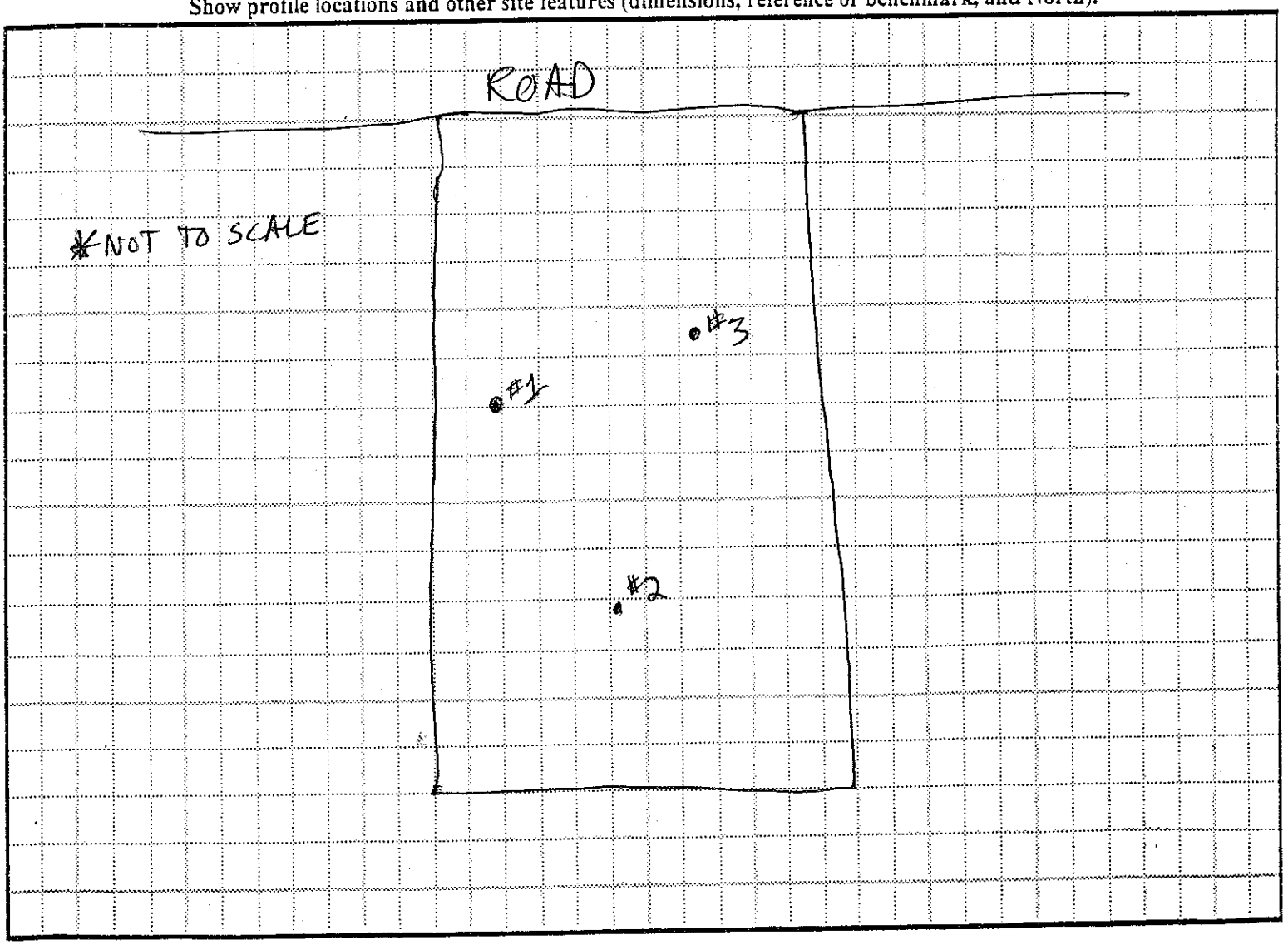
NOTES

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).



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Sheet ___ of ___
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COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

SWART #7

OWNER: TERESA NEWTON APPLICANT: SAME
ADDRESS: 525 SHEPHERD RD, TROUTMAN 28166 APPLICATION DATE: 8-29-02 DATE EVALUATED: 9-23-02
PROPOSED FACILITY: 3BR HOME PROPOSED DESIGN FLOW (.1949): 360 PROPERTY SIZE: ~1 ACRE
LOCATION OF SITE: WILLIAM C. SWART #7 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	PIT	0-6	GR SL	VFR SS/SP					PS
		6-27	WMABK C	FR SS/SP					0.25
		27-46	WMABK C MIX W/QUARTZ	FR SS/SP					
		46-48	SAPROLITE QUARTZ SL	FR SS/SP					
2	PIT	0-4	GR SL	VFR SS/SP					PS
		4-20	MMABK C	FR SS/SP					0.25
		20-38	WFABK SAP MIX W/C	FR SS/SP					
		38-48	QUARTZ SAPROLITE SL	FR SS/SP					
3	PIT	0-3	GR SL	VFR SS/SP					PS
		3-19	MMABK C	FI SS/SP					0.3
		19-21	WMABK SAP MX W/C	FI SS/SP					
		21-48	SAPROLITE QUARTZ FELDSPAR	FR SS/SP					
4	PIT	0-4	GR SL	~~SS/SP~~ VFR					PS
		4-22	MMABK C	~~SS/SP~~ FR	CHROMA 4 MOTTLES				0.25
		22-25	MMABK ~~SAPRO~~ C	~~SS/SP~~ FR					
		25-48	WFABK CL	~~SS/SP~~ VFR					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III	III
Site LTAR	0.25	0.25

OTHER FACTORS (.1946): NONE
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: S. HEDRICK
OTHER(S) PRESENT: ~~SAME~~ MIKE HEPLER, PATRICK MITCHELL

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR	LPP .1957 LTAR	MINERALOGY/ CONSISTENCE	STRUCTURE
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	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	SI (Silt) SICL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SLC (Silt Loam Clay)	0.6 - 0.3	0.3 - 0.15		
					MOIST	**WET**
					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay) SIC (Silty Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky)	SS (Slightly Sticky) S (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
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