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: Eric Henderson APPLICANT: ___
ADDRESS: ___ APPLICATION DATE: ___ DATE EVALUATED: 08/06/02
PROPOSED FACILITY: 3BR Home PROPOSED DESIGN FLOW (.1949): 360 PROPERTY SIZE: ___ 08/07/02
LOCATION OF SITE: Duck Creek 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	Slight H	0-12	W,F,sbk,SC	Fr,SS,SP,SEXP	Slight Yellow Motels @ 27" SEXP				~~PS~~ MS 0.30
		12-48	W,F,sbk,C	Fr/Fi,SS/S,SP/P	FREQUENT Yellow motels @ 30" Chroma 2 @ 38"	(POSSIBLE EXP SOIL @ 36"-48" STREAKS)			
2	Slight H	0-10	W,F,sbk,SC	Fr,SS/S,SP,SEXP	Slight yellow motels @ 23" SEXP Chroma 2 @ 26"	(POSSIBLE EXP SOIL @ 25"-48" STREAKS)			~~PS~~ MS 0.25
		10-36	W,F,sbk,C	Fr/Fi,SS/S,SP/P					
		36-48	W,F,sbk/sbk,C	Fr/Fi,S,P,SEXP					
3	Slight F	0-10	W,F,sbk,SC	Fr,SS/S,SP,SEXP	Slight Yellow motels @ 24" SEXP Chroma 2 @ 30"	(? EXP Streaks ? 32"-48")			~~PS~~ MS 0.25
		10-48	W,F,sbk,C	Fr/Fi,S/SS,P/SP					
4	Slight H	0-7	W,F,sbk/sbk,SC	Fr/Fi,SS,SP,SEXP	Slight Yellow motels @ 18" SAP MIX <50% @ 24"				PS 0.30
		7-38	W,F,sbk,C	Fr/Fi,SS/S,SP,SEXP					
		38-	C/SAP MIX >50%						

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): ___
EVALUATED BY: Patrick Mitchell
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)

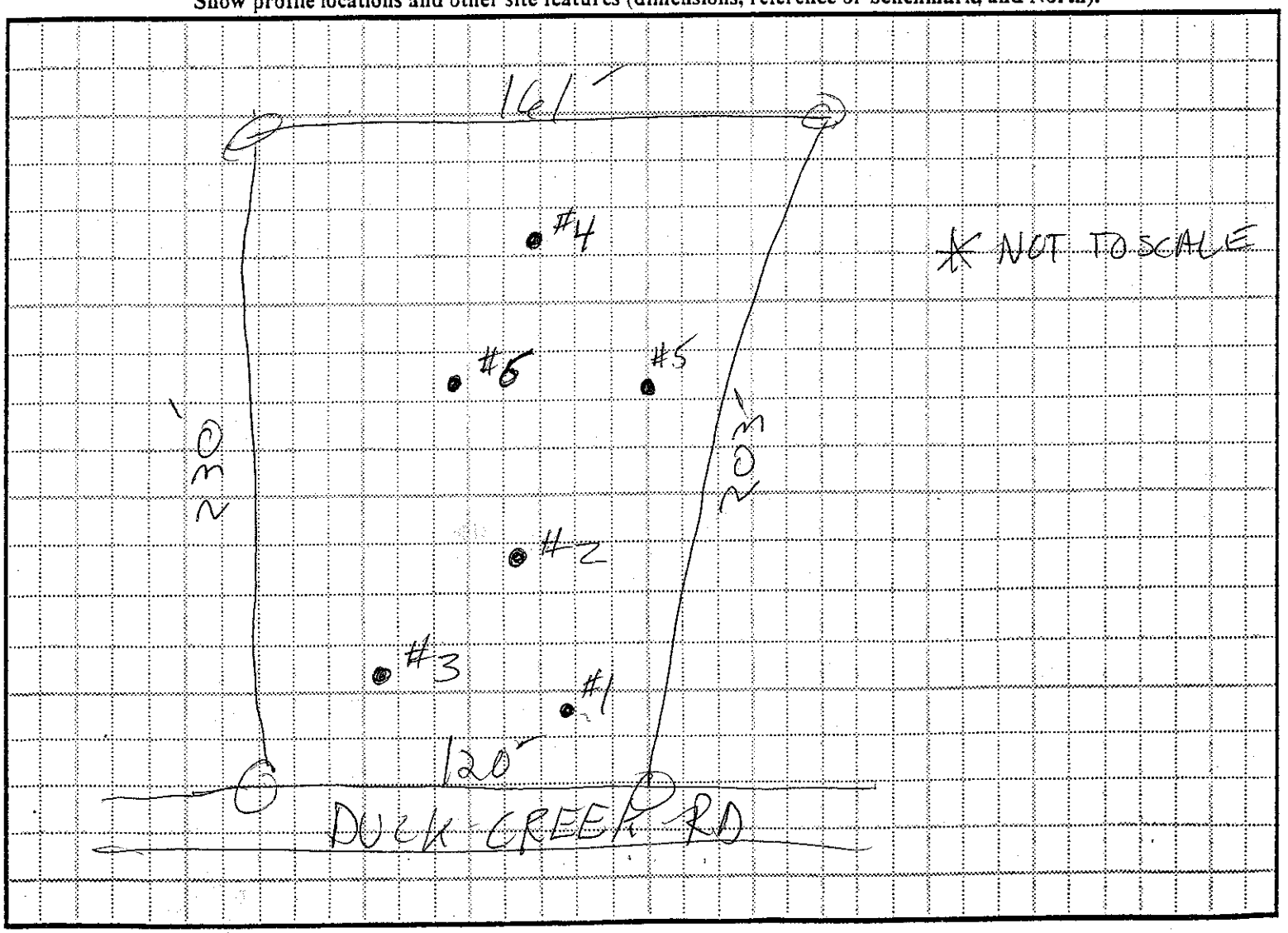
NOTES

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).



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#5	L	0-6	W,F,sbk,sc	Fr, ss,sp,sexp	Yellow Motels @ 8"				0,25
		6-39	w,F,abk, c	Fr/Fi, ss,sp/p,sexp					
		39-	C + SAP MIX >50%		chroma 2 @ 10"				PS
#6	L	0-6	W,F,sbk,sc	Fr,ss/s,sp,sexp	Yellow Motels @ 15"				PS
		6-38	w,F,abk, c	Fr/Fi, ss/sp/p,sexp					
		38-	C + SAP MIX >50%						0.25

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