DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 3
PROPERTY ID #: 9197
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Bob Crosswhite
APPLICATION DATE 6/20/16
ADDRESS: 353 Seven Springs LP Sul NC
DATE EVALUATED: 8/2/16
PROPOSED FACILITY: SFR + Garage PROPOSED DESIGN FLOW (.1949): 240 GPD
PROPERTY SIZE: .91 Acre
LOCATION OF SITE: 353 Seven Springs LP Sul NC Lot 37
PROPERTY RECORDED: No
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	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
A1	LL 8%	0-8	BSCL, WSBK	FR, SS, SP	/	46"	C-M SAP INCL 15"-46"	/	.3
		8-35	RCL, SBK	" " "					
		35-46	RCL, SBK/WSBK	" " "					
		46-48	MASS SAP	VFR, NS, NP					
A2	LL 8%	0-8	BSCL, WSBK	VFR, SS, SP	/	38"	C-M SAP INCL 14"-38"	/	.3
		8-29	RCL, SBK	FR, SS, SP					
		29-38	RCL, WSBK	" " "					
		38-48	MASS SAP	VFR, NS, NP					
A3	LL 10%	0-9	BSCL, WSBK	VFR, SS, SP	/	48"	C-M SAP INCL 20"-48"	/	.3
		9-34	RCL, SBK/WSBK	FR, SS, SP					
		34-48	RCL, WSBK	FR, " "					
A4	LL 10%	0-8	BSCL, WSBK	FR, SS, SP	/	32"	C-M SAP INCL	35"	.3 0-32"
		8-28	RC, SBK	" " "					
		28-32	RCL, WSBK	FR/FI, SS, SP					
		32-34	MASS SAP	FI, SS, SP					
		35	AR	—					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Approved	25% Dup Conv.
Site LTAR	.3	.3

OTHER FACTORS (.1946): —
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: SL
OTHER(S) PRESENT: —

COMMENTS:

LANDSCAPE POSITION	GROUP	TEXTURE	.1955 LTAR*	.1957 LTAR*	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)		SiL (Silt Loam)				
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	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.

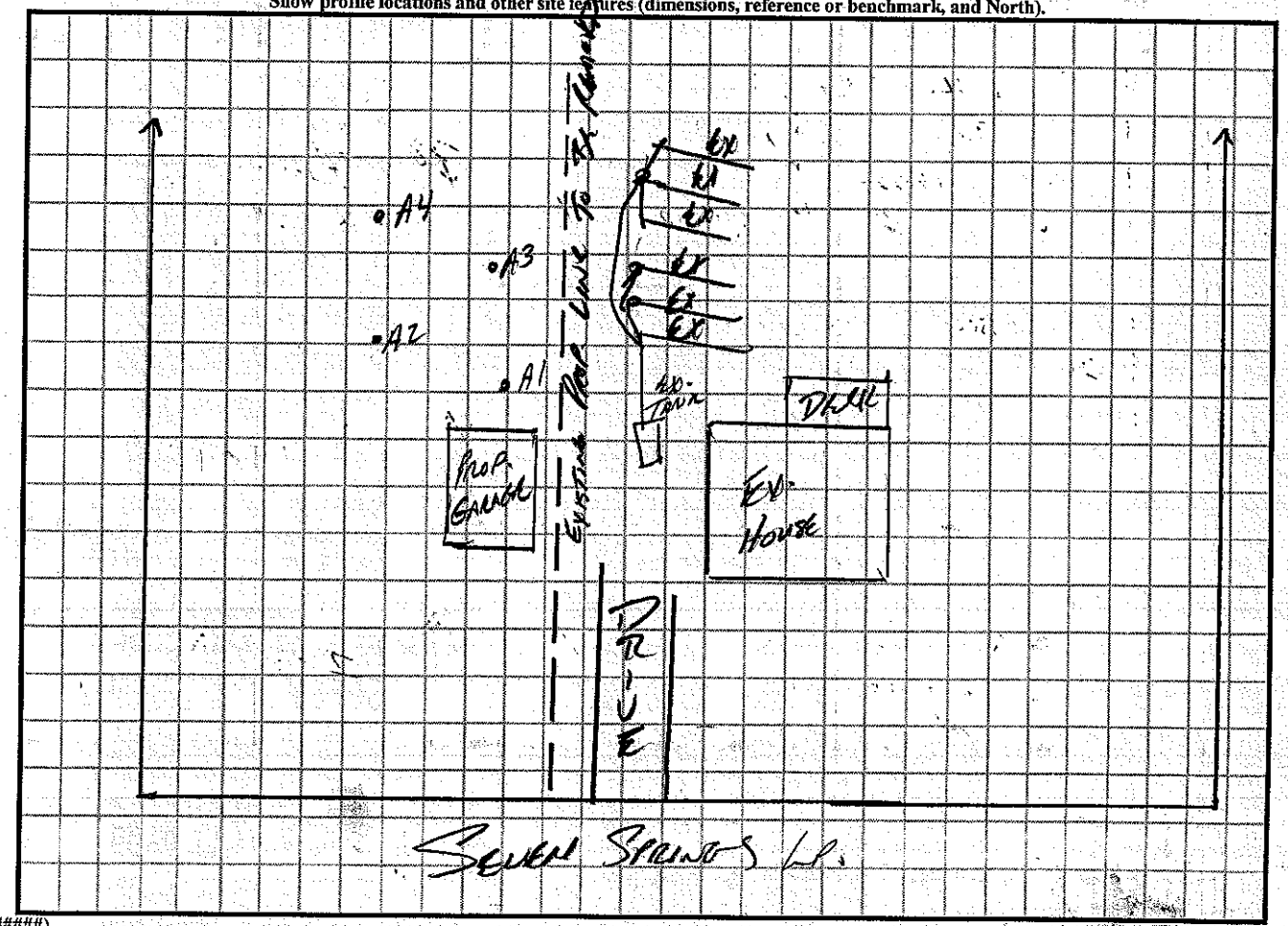
NOTES

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 (#####)

R Crosswhite @ Crosswhite Law. com

Soil Notes *

3/3

1 inch = 60 feet

1:720

32' x 44' Proposed Garage

30' off Existing Garage

