DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 3
PROPERTY ID #: 0815
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: KATE BUMPUS — APPLICATION DATE 11/20/15
ADDRESS: 721 OLD MOUNTAIN RD. STATESVILLE NC — DATE EVALUATED: 12/28/15
PROPOSED FACILITY: 3BR — PROPOSED DESIGN FLOW (.1949): 480 GPD. — PROPERTY SIZE: 4.161 ACRE
LOCATION OF SITE: 175 COMPTON PARK RD STATESVILLE NC — 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	PROFILE CLASS & LTAR
A 1	LL 7%	0-12	BCL, SBK	FR, SS, SP	Y/B's 34-45 Some CHROMA 2 @ 45"-48"	48"	F INCL F QUARTZ	45"	.275 0"-34" .25 34"-45"
		12-32	RC, SBK	" " "					
		32-48	RC, WSBK/WABK	" " "					
A 2	LL 7%	0-16	BCL, SBK	FR, SS, SP	Y/B's 32"-44"	48"	F QUARTZ	/	.275 0-32" .25 32-45"
		16-32	RC, SBK	" " "					
		32-45	RC, WABK	" " "					
		45-48	RC/RL, WSBK	" " "					
A 3	LL 7%	0-16	BSCL, SBK	FR, SS, SP	Y/B's 24"-48" HEAVY MOTTLES 33"-40"	40"	FEW LITHS	40"	.225-.25
		16-27	RC, SBK/SAPR	" " "					
		27-40	RC, WABK	FR/FI, S, P					
		40"	AR						
A 4	LL 7%	0-10	TSCL, SBK	FR, SS, SP	Y/B's 28"-48" CHROMA 2 MIXED IN 46"-48"	48"	F QUARTZ	46"	.25-.275 0-28" .225 28"-46"
		10-28	RC, WSBK	" " "					
		28-48	RC, WABK	FR/FI, S, P					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	RS	RS
System Type(s)	25%; CONV.	25%, CONV.
Site LTAR	.275	.225

OTHER FACTORS (.1946): —
SITE CLASSIFICATION (.1948): RS
EVALUATED BY: SE
OTHER(S) PRESENT: —

COMMENTS:

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)		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.

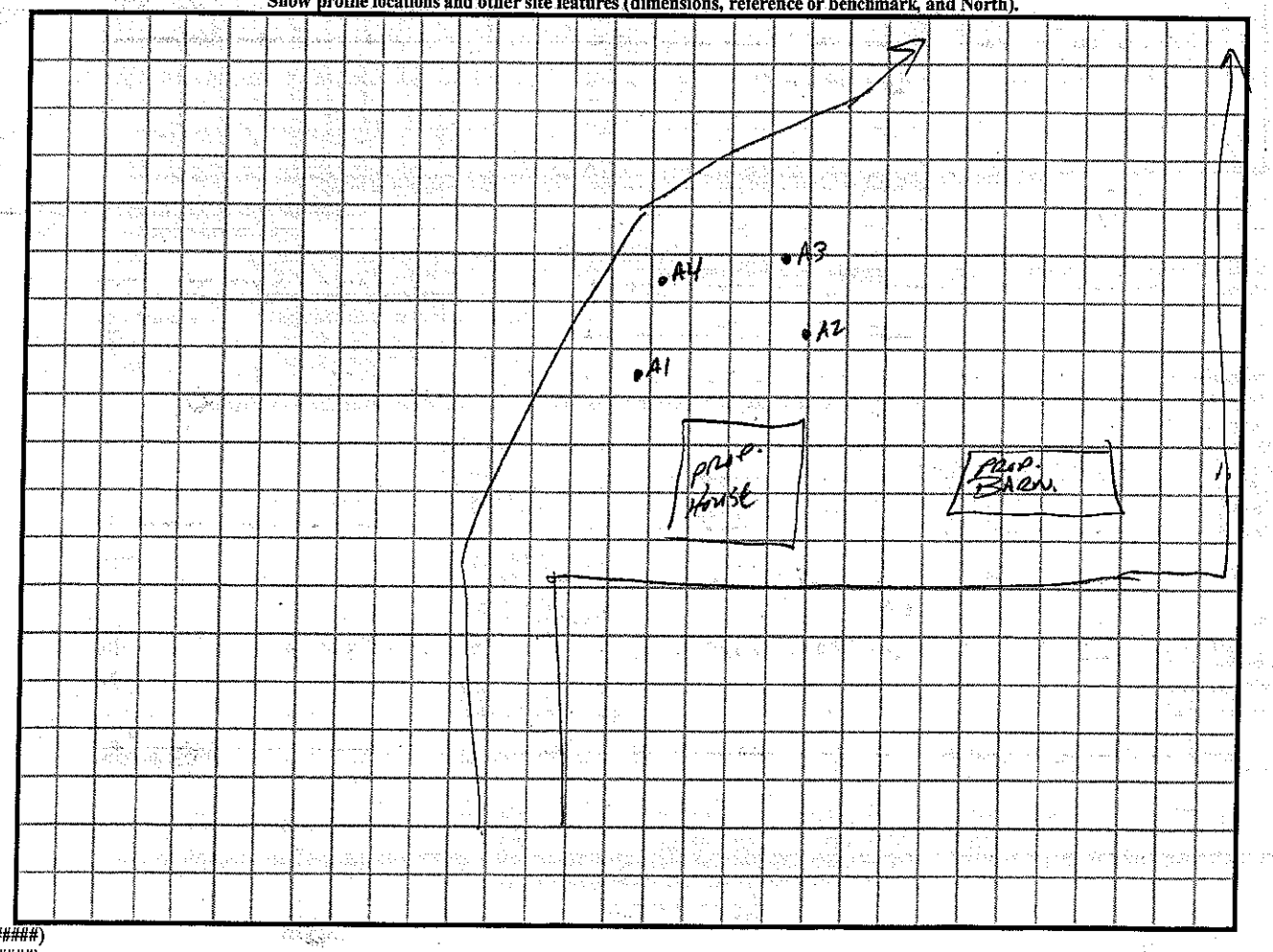
NOTES

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).



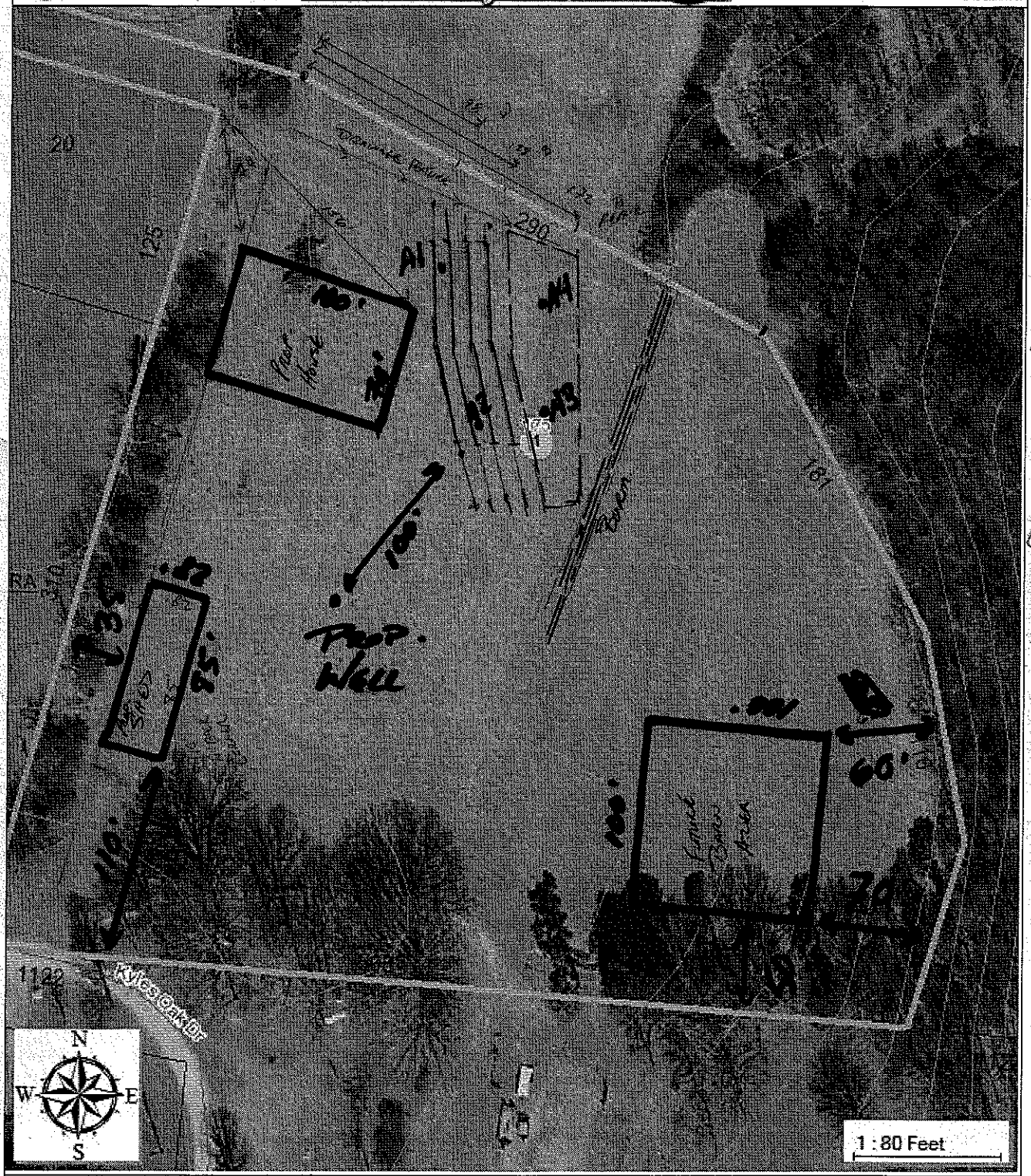
* Soil Notes *

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CONNECTGIS WEB HOSTING

North Carolina Iredell County

Iredell
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B 170'

C 135'

4 Lines @ 110' on .275 Ltr.

W 170' IS 25' off Prop. Line

Fill Drainage Feature

100 x 70' House Box

.275 ac. 11,979 sq. ft.