DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 3
PROPERTY ID #: 9850
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Robert Herrick APPLICATION DATE 9/1/15
ADDRESS: 165 Broadview Cir. Mooresville NC DATE EVALUATED: 1/20/16
PROPOSED FACILITY: SFR PROPOSED DESIGN FLOW (.1949): 360 GPD PROPERTY SIZE: .75 ACRE
LOCATION OF SITE: 165 Broadview PROPERTY RECORDED: 1975
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
A 1	LL 10%	0-7	BSCL, WSBK	FR, SS, SP	/	48"	F-C SAP INCL 28"-48"	/	.325
		7-24	RCL, SBK	FR, SS, SP					
		24-48	RCL, WSBK	FR, SS, SP					
A 2	LL 9%	0-6	BSCL, WSBK	FR, SS, SP	/	48"	F-C-M SAP INCL 25"-48"	/	.315
		6-22	RCL, SBK	" " "					
		22-48	RCL, SBK	" " "					
A 3	LS 15%	0-6	BSL, GR	FR, SS, SP	/	46"	F-C-M SAP INCL 24"-46"	/	.325
		6-26	RC, SBK	" " "					
		26-46	RCL, WSBK/MSBK	FR, SS, SP					
		46-48	MASS SAP						
P 1	LS 15%	0-6	BSCL, GR	FR, SS, SP	/	45"	TS F-C-M SAP INCL 28"-45"	/	.3 SEVERAL FLOATER ROCKS IN PROFILE
		6-26	RC, SBK	" " "					
		26-45	RCL, WSBK/SBK	" " "					
		45-48	MASS SL SAP	VFR, SS, SP					

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

OTHER FACTORS (.1946): —
SITE CLASSIFICATION (.1948): TR
EVALUATED BY: SC
OTHER(S) PRESENT: Kiel Herrick

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.

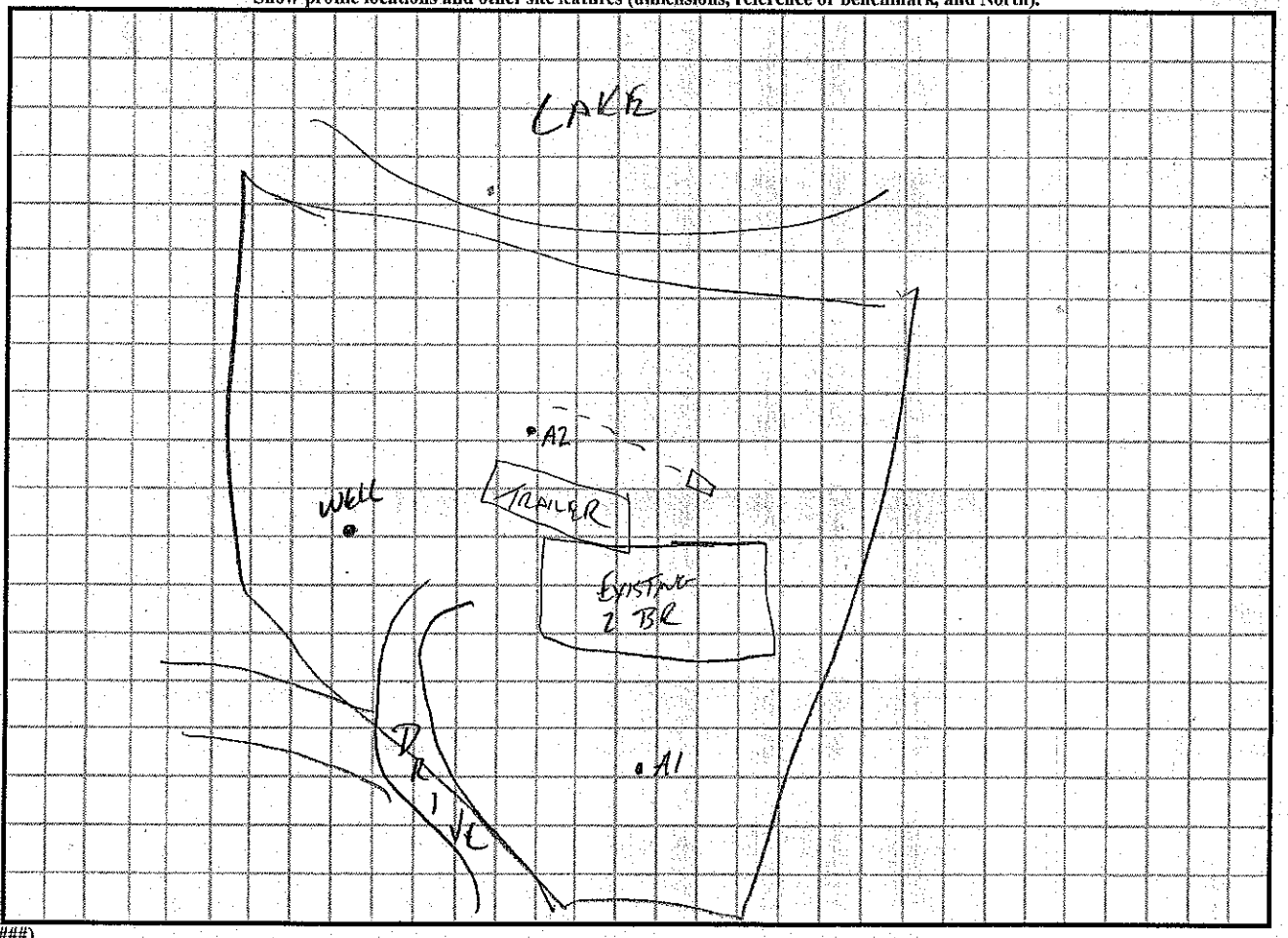
NOTES

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).



DENR (######)
Review (#####)

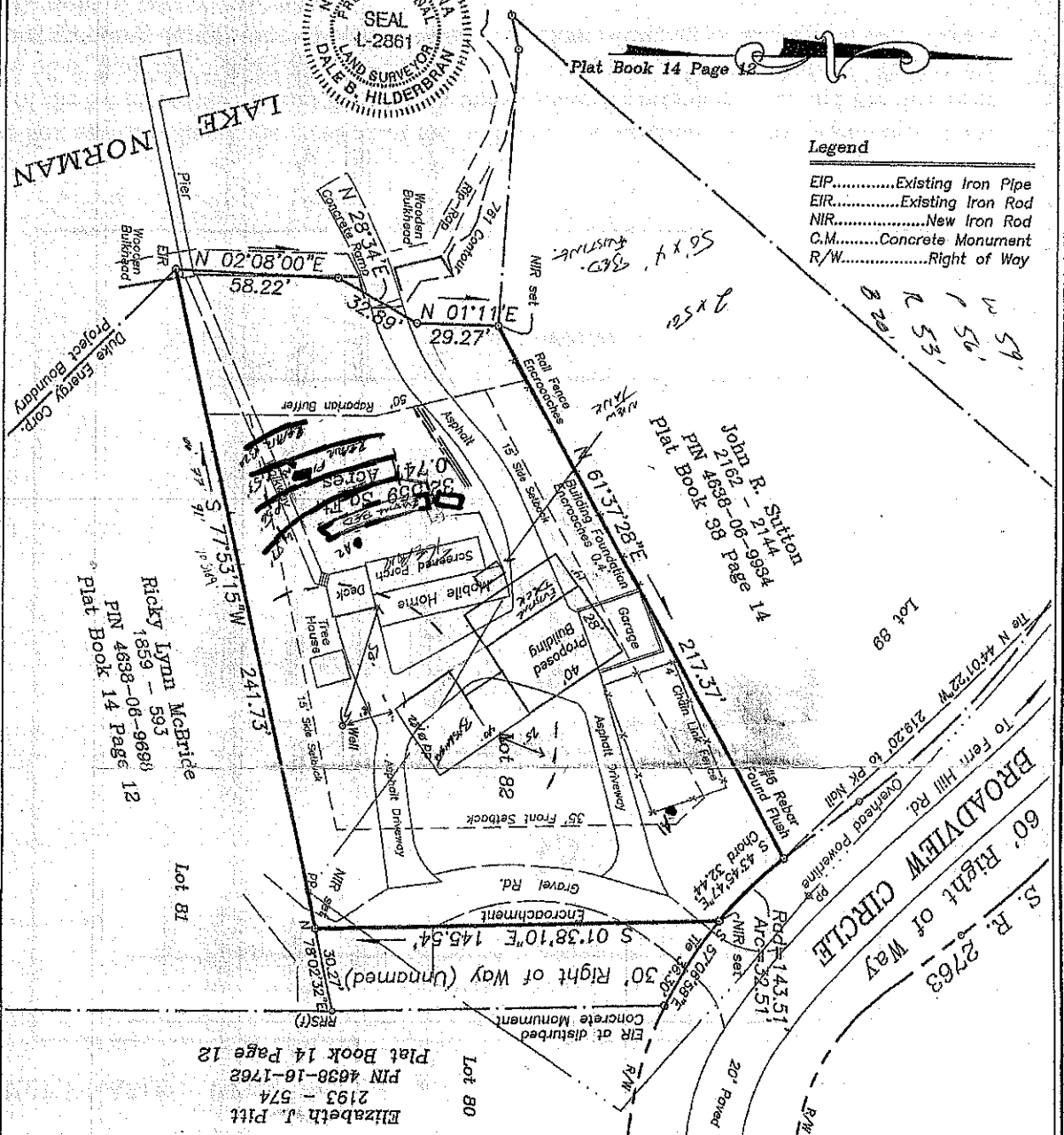
I, Dale B. Hilderbran Hereby Certify, that this Plat was drawn from an actual Survey made under my direct supervision, (Deed Descriptions recorded in Deed Book 629 Page 849 and in Deed Book _____ Page _____, that the Ratio of Precision is 1 : 20,000+ as calculated, that the Boundaries not Surveyed are shown as broken lines, that this Plat was prepared in accordance with the N. C. Standards of Practice for Land Surveying (Board Rules Section .1600 as ammended).

Date

Dale B. Hilderbran
N. C. Professional Land Surveyor L-2861

NORTH CAROLINA PROFESSIONAL SEAL L-2861 LAND SURVEYOR DALE B. HILDERBRAN

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Legend

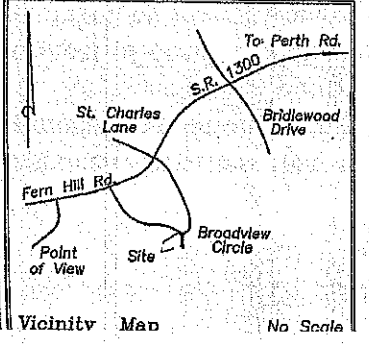
EIP.....Existing Iron Pipe
EIR.....Existing Iron Rod
NIR.....New Iron Rod
C.M.....Concrete Monument
R/W.....Right of Way

Graphic Scale

0 10 25 50 100

1 inch = 40 ft.

Project : 121106b



Vicinity Map No Scale

Soil Notes 3/3

Boundary and Recombination Survey Plat For

ROBERT HERRICK and wife IRENE HERRICK

Davidson Township Iredell County North Carolina

Scale 1"= 40' November 8, 2012

All of Lot 82 of the Crescent Land and Timber Corp. Section 15

Reference

Plat Book 14 Page 12 PIN 4638-06-9850

DALE B. HILDERBRAN, PLS.

LAND SURVEYING and SUBDIVISION PLANNING

2389 Kens Drive Sherrills Ford N. C. 28673

Phone (828) 478-3234 Mobile (980) 721-5025