DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 3

PROPERTY ID #: 2971

COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: ANDREW VENTRESCA — APPLICATION DATE 1/8/16

ADDRESS: HUNTERSVILLE NC — DATE EVALUATED: 2/4/16

PROPOSED FACILITY: SFR — PROPOSED DESIGN FLOW (.1949): 300 GPD — PROPERTY SIZE: 1.2 ACRES

LOCATION OF SITE: 256 STATE 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	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	LS 12%	0-6	BSCL, SBK	FR, SS, SP	/	45"	F-C-M SAP INCL 28"-45"	/	.3 0-32" .325 32"-45"
		6-32	RC, SBK	" " "					
		32-45	RCL, SBK/MSBK	" " "					
		45-48	MASS SAP	VFR, SS, SP					
A 2	LS 12%	0-8	BSL/SCL, SBK	FR, SS, SP	/	48"	F SAP INCL 38"-48"	/	.3 0-36 .325 36"-48"
		8-36	RC, SBK	" " "					
		36-48	RCL, SBK	" " "					
A 3	LS 12%	0-8	BSL, GR	FR, SS, SP	/	48"	C-M SAP INCL 36"-48"	/	.3
		8-39	RC, SBK	FR, SS, SP					
		39-48	RCL, SBK/MSBK	" " "					
A 4	LS 12%	0-5	BSL, GR	FR, SS, SP	/	48"	F-C INCL 36-48"	/	.3
		5-38	RC, SBK	" " "					
		38-48	RCL, SBK	" " "					

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): PS

EVALUATED BY: SC

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.

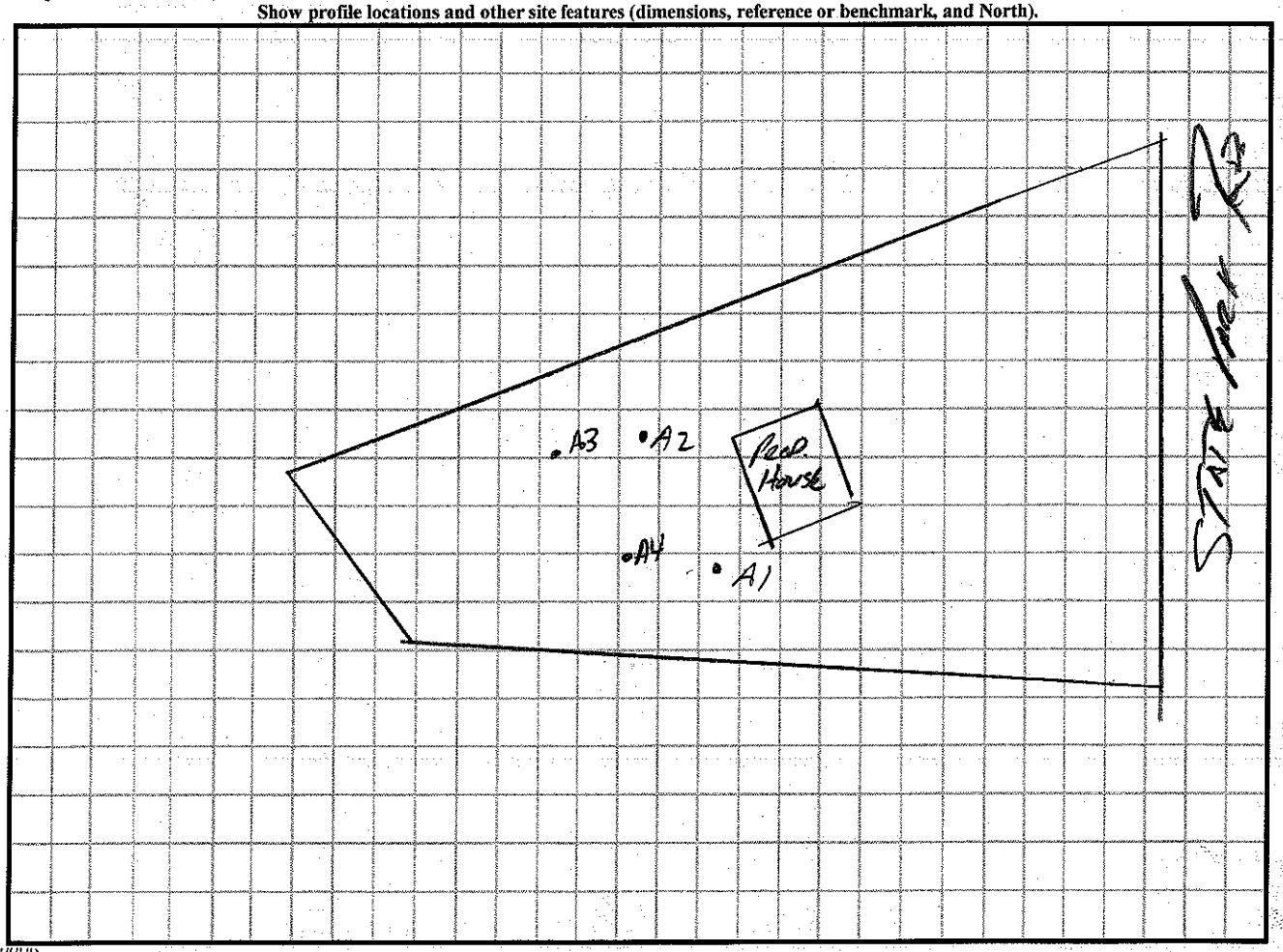
NOTES

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)

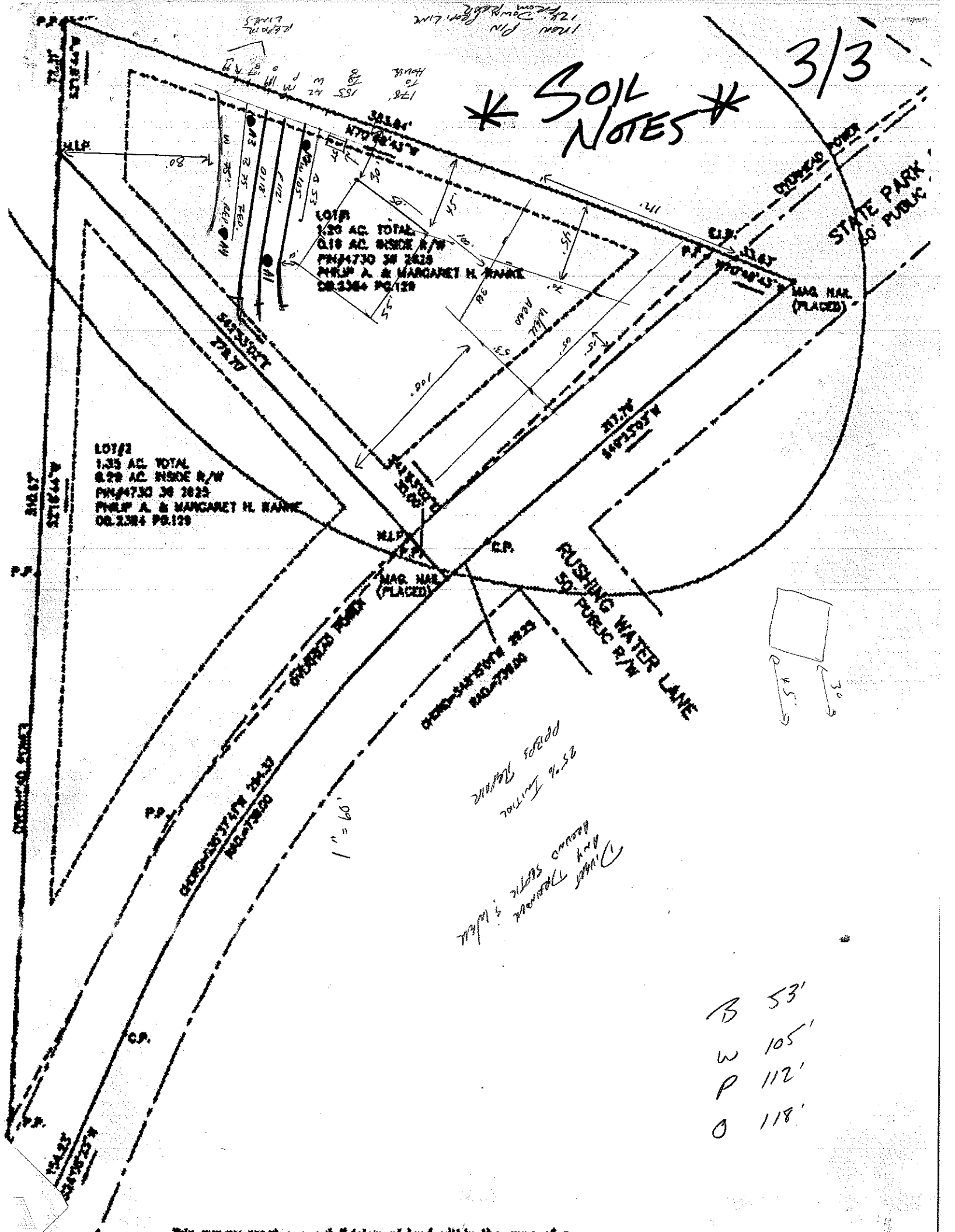
Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).



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


* SOIL NOTES *
3/3
LOT #1
1.20 AC. TOTAL
0.19 AC. INSIDE R/W
PIN#4730 38 2628
PHILIP A. & MARGARET H. RAINE
DB.2384 PG.129
LOT #2
1.35 AC. TOTAL
0.29 AC. INSIDE R/W
PIN#4730 38 2823
PHILIP A. & MARGARET H. RAINE
DB.2384 PG.129
S67°55'50"E 71.47'
S67°55'50"E 50.00'
N70°06'43"W 303.84'
S70°06'43"E 33.63'
MAG. NAIL (PLACED)
RUSHING WATER LANE
50' PUBLIC R/W
STATE PARK
50' PUBLIC
OVERHEAD POWER
B 53'
W 105'
P 112'
O 118'