DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 3
PROPERTY ID #: 7448
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: M. Sprenkel
ADDRESS: 796 Pinnacle Springs Ln. Mooresville NC
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: Same
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other Community
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
APPLICATION DATE 8/31/15
DATE EVALUATED: 11/6/15
PROPERTY SIZE: 1.16 Acre
PROPERTY RECORDED: —
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 18%	0-6	BSCL, GR	VFR, SS, SP	FEW MOTTLES 12"-18"	48"	F-C-M SAP INCL 24"-48"	/	.275 0-20" .3 20"-48"
		6-12	BSCL, WSBK	FR, SS, SP					
		12-30	RCL, SBK	" " "					
		30-48	RCL, WSBK	" " "					
A 2	LS 15%	0-6	BSCL, WSBK	FR, SS, SP	SOME 1/B's 15"-22"	48"	C-M SAP INCL 22"-48"	/	.275 0-22" .325 23"-48"
		6-26	RCL, SBK/ABK	" " "					
		26-48	RCL, SBK/WSBK	" " "					
A 3	LS 14%	0-6	BSCL, WSBK	FR, SS, SP	FEW MINOR MOTTLES 6"-13"	33"	C-M SAP INCL 15"-33"	/	.3 (.325 25"-48")
		6-20	RCL, SBK	" " "					
		20-33"	RCL, WSBK	" " "					
		33-48	MASS SL SAP	VFR, SS, SO					
A 4	LS 25%	0-15	RCL, SBK	FR, SS, SP	/	43"	C-M SAP INCL 15"-43"	/	.35-.375
		15-43	RCL, SBK/WSBK	" " "					
		43-49	MASS SL SAP	" " "					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Approved	Approved
Site LTAR	.3	.275-.35

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

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope) CV (Convex Slope) D (Drainage Way) DS (Debris Slump) FP (Flood Plain) FS (Foot Slope) H (Head Slope) L (Linear Slope) N (Nose Slope) R (Ridge) S (Shoulder Slope) T (Terrace)	I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive) SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky) ABK (Angular Blocky) PL (Platy) PR (Prismatic)
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	Si (Silt) SiCL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SiL (Silt Loam)	0.6 - 0.3	0.3 - 0.15		
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay)	0.4 - 0.1	0.2 - 0.05		
		O (Organic)	None	None		

MOIST	WET
VFR (Very Friable)	NS (Non-sticky)
FR (Friable)	SS (Slightly Sticky)
FI (Firm)	S (Sticky)
VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
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.

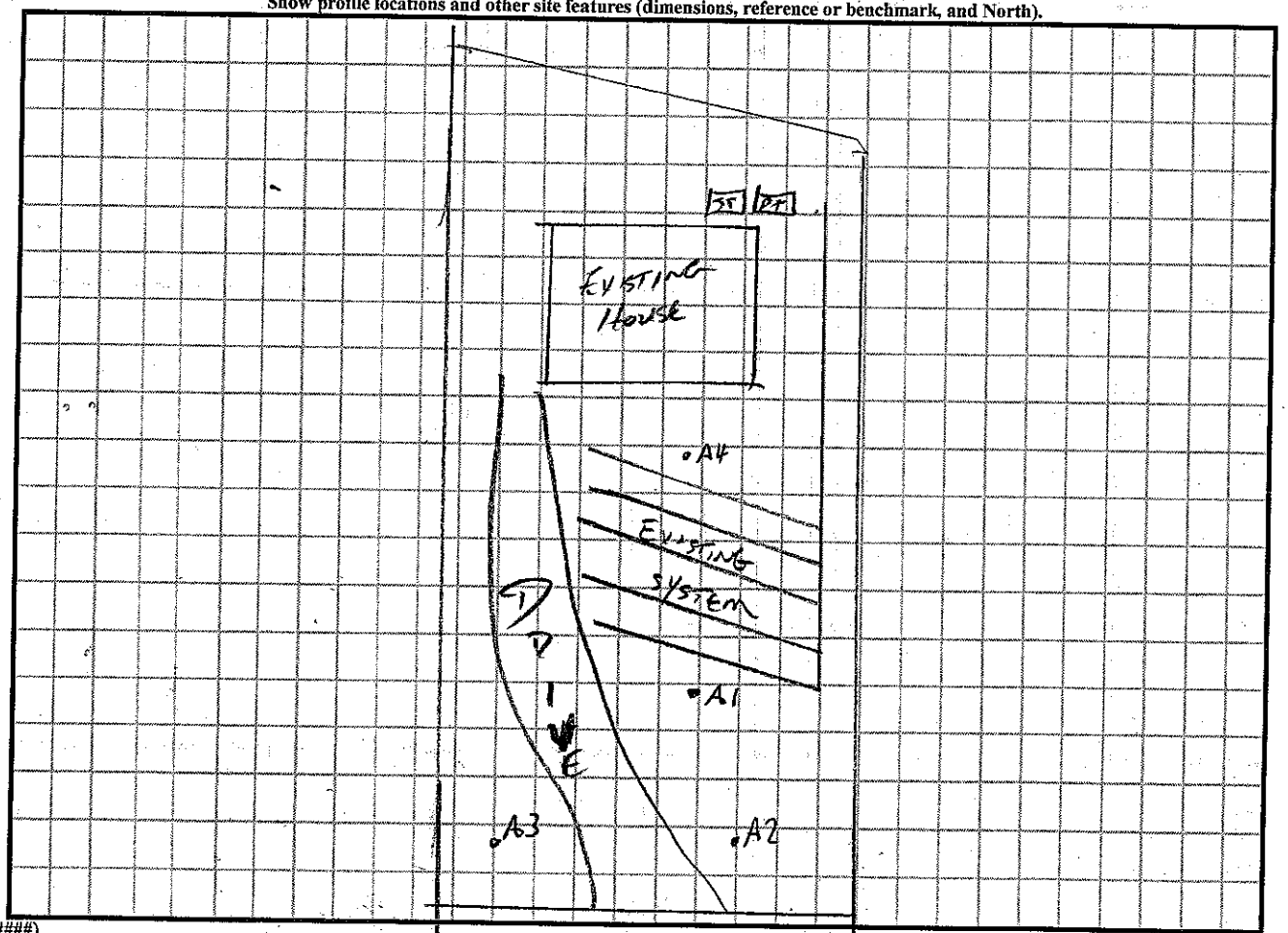
NOTES

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)

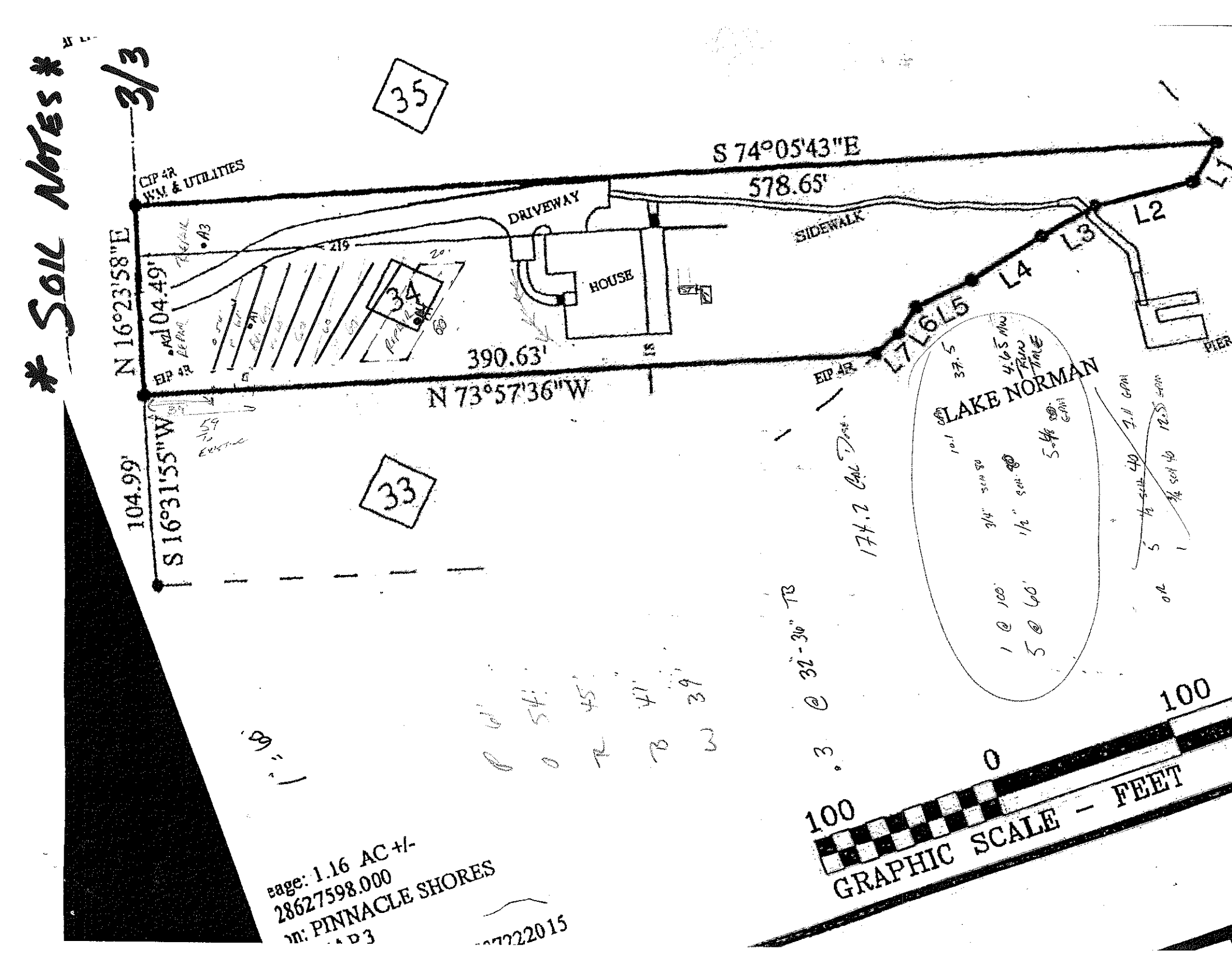
Evaluation of saprolite shall be by pits.

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
35
S 74°05'43"E
578.65'
CIP 4R
W.M. & UTILITIES
DRIVEWAY
SIDEWALK
HOUSE
N 16°23'58"E
104.49'
34
L2
L3
L4
L5
L6
L7
390.63'
N 73°57'36"W
EIP 4R
S 16°31'55"W
104.99'
33
LAKE NORMAN
174.2 Cal Dose
@ 32-30" TB
100
0
100
GRAPHIC SCALE - FEET
eage: 1.16 AC +/-
28627598.000
m: PINNACLE SHORES

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