DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 4
PROPERTY ID #: 3796
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Lakeside Vista LLC
ADDRESS: —
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: 116 W/Yuk Trl. Sul NC
WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☑ Auger Boring ☑ Pit ☐ Cut

APPLICATION DATE 5/27/16
DATE EVALUATED: 7/25/16
PROPERTY SIZE: .69 Acres
PROPERTY RECORDED: Yes
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 7%	0-6	BSL/ORGANIC GR, VFR, NS, NP		/	48"	C-M SAP INCL	/	.3
		6-18	RL, ABK	FR, SS, SP					
		18-32	RL, SBK	" " "					
		32-48	RCL, SBK/WSBK	" " "					
A 2	LL 7%	0-4	BSL/ORGANIC, GR VFR, NS, NP		/	48"	F-C SAP INCL	/	.3
		4-18	RL, ABK	FR, SS, SP					
		18-42	RL, SBK	" " "					
		42-48	RCL, SBK	" " "					
A 3	LL 7%	0-27	RL, ABK	FR, SS, SP	/	48"	F-C SAP INCL	/	.3
		27-46	RL, SBK	" " "					
		46-48	RCL, SBK	" " "					
A 4	LL 10%	0-12	BSL/SCL, GR/WSBK	FR, SS, SA	/	48"	F-C SAP INCL MANY INCL 15"-30"	/	.275
		12-34	RC, WSBK	" " "					
		34-44	RC, SBK	" " "					
		44-48	RCL, SBK	" " "					

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

OTHER FACTORS (.1946): —
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: SC
OTHER(S) PRESENT: Adrian Troutt LS, Marty Tucker, Michael Blackmon

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.

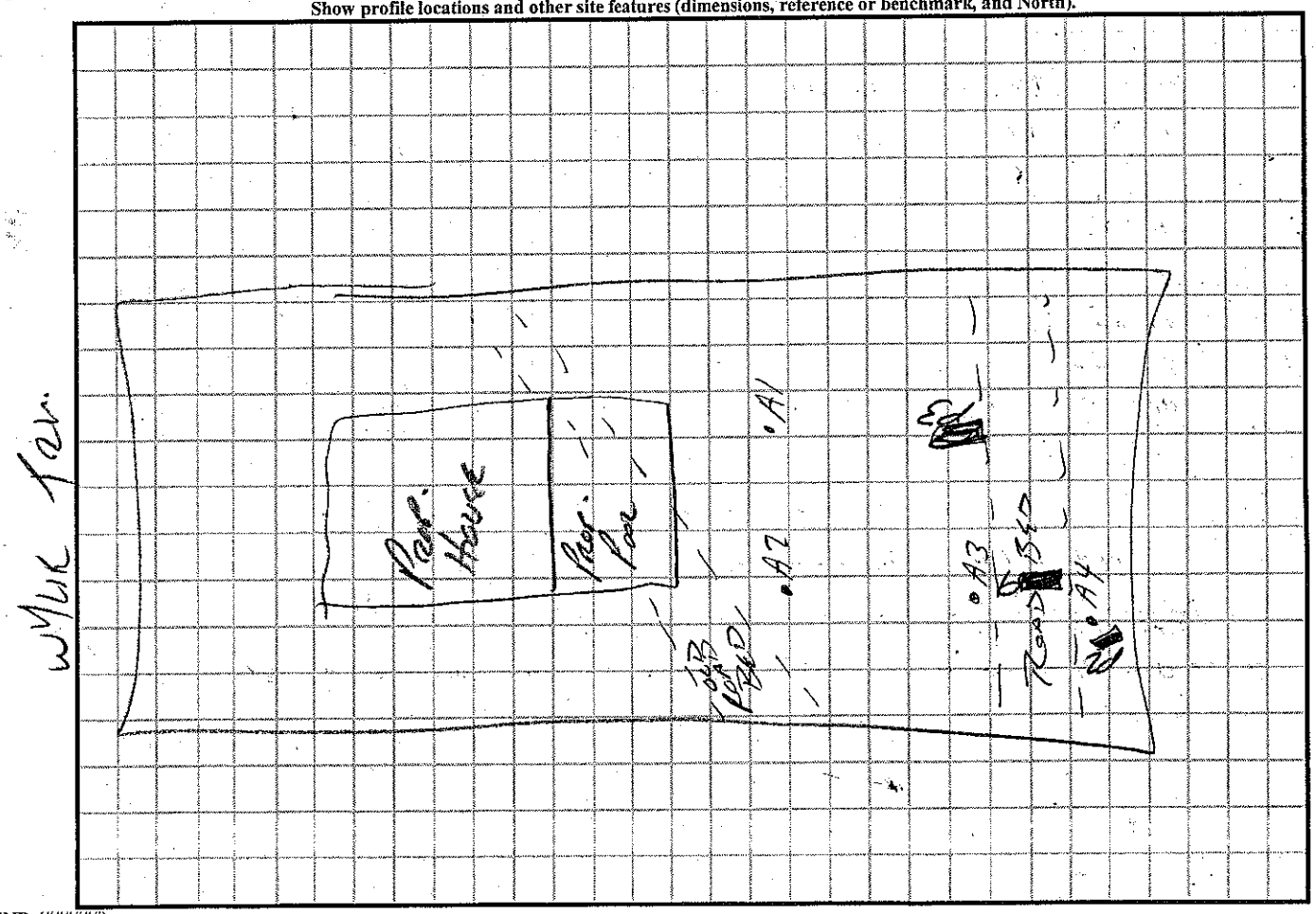
NOTES

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/SITE EVALUATION

(Continuation Sheet)

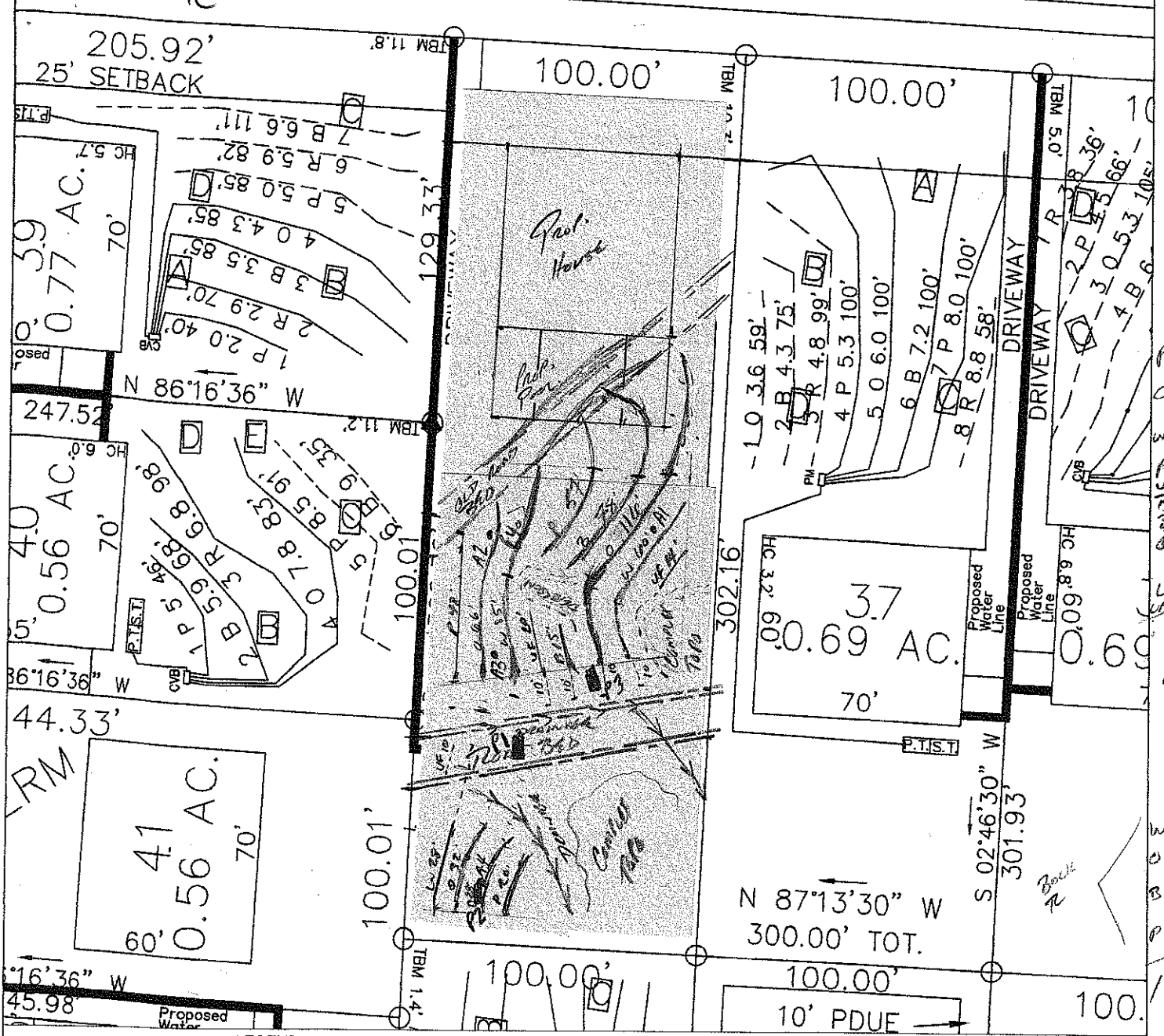
DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 3796
DATE OF EVALUATION: 7/25/16
COUNTY: Iredell

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P 1	5%	0-12	COMPACTED	—	/	70"	C SAP Incl	/	.3
		12-33	RCL, SABK	FR, SS, SP					
		33-46	RCL, MESBK	FR, SS, SP					
		46-70	RCL, WSBK	" " "					
P 2	5%	0-14	BSCL, WSBK	FR, SS, SP	/	51"	Many Incl 14"-38"	52"	.275 0-38" .3 38"-51"
		14-38	BRCL, WFSBK	" " "					
		38-51	RCL, SBK	" " "					
		52	Rock	—					
P 3	8%	0-12	BSCL, WSBK	FR, SS, SP	/	72"	PS C-M SAP Incl 40"-72"	/	.3
		12-43	RCL, SBK	" " "					
		43-54	RCL, SBK	" " "					
		54-72	RCL, WSBK	" " "					
		72-76	Mass SL SAP	VFR, NS, NP					

COMMENTS: _____

* Soil Notes *



LEGEND

House Box.

System lines.

Repair lines.

GRAPHIC SCALE
1" = 50'

50 0 50 100

FOR PRELIMINARY PLANNING PURPOSES ONLY. ALL LOTS WILL REQUIRE FINAL APPROVAL BY THE COUNTY HEALTH DEPARTMENT ON A LOT BY LOT BASIS. THIS MAP SHOULD BY USED AS A GENERAL GUIDE. SOME ADJUSTMENTS WILL BE NECESSARY IN THE FIELD DUE TO SOIL VARIABILITY AND COMPLEX TOPOGRAPHIC FEATURES. THIS MAP ONLY REFLECTS EXISTING SOIL SUITABILITY FOR ON-SITE SEPTIC TANK SYSTEMS.

PLEASE REFER TO ATTACHED SOIL REPORT FOR ADDITIONAL SITE SPECIFIC INFORMATION

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MOORESVILLE, NC 28115
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ASHLEY ROLLANS, NC LICENSED SOIL SCIENTIST
MOBILE: (704) 746-5346
EMAIL: SOILANS@WINDSTREAM.NET

MAP TITLE: SITE PLAN & DRAINFIELD AREAS		JOB # :	01-1391
PROJECT NAME: NORTHLAKE SUBDIVISION	LOCATION/DATE: SETHESDA RD IREDELL COUNTY, NORTH CAROLINA AUG 2006	FILE:	C:\JOBS\01-1391
		PROJECT MGR.:	A.L.P
		FIELD WORK:	A.L.P.
		DRAWN BY:	A.L.P.