DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

SHEET: 1 of 3
PROPERTY ID #: 132167
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Daniel Sugarman
ADDRESS: 126 Viewpoint Ln Suite 105 Mooresville, NC 28117
PROPOSED FACILITY: Single Family PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: 439 Barber Loop – CLT S7 Lot 98

APPLICATION DATE: 1/20/06
DATE EVALUATED: 1/26/06
PROPERTY SIZE: .67 Acres
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)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	S VL 10%	0-11	M SBK SCL	VFR SS/SP SEXP		44"			PS .3
		11-44	M SBK C	FR SS/SP SEXP					
		44+	SL SAP						
2	S LL 12%	0-44	M SBK C	FR SS/SP SEXP		44"			PS .3
		44+	L SAP						
3	S VL 10%	0-5	FILL			30"	S		PS .3
		5-30	M SBK C	FR SS/SP SEXP					
		30-48	M GR L SAP	VFR SS/NP SEXP					
4	S VL 9%	0-5	FILL			24"	S		PS .3
		5-24	M SBK SCL	VFR SS/SP SEXP					
		24-36	A BIG ROCK						
		36-52	M SBK L SAP	VFR SS/NP SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	S	S
System Type(s)	LP PPBPS	LP PPBPS
Site LTAR	.3	.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY:
OTHER(S) PRESENT:

COMMENTS: Profiles 1&2 are auger borings. Profiles 3-5 are pit evaluations.

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
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ON-SITE WASTEWATER SECTION

SHEET: 2 of 3
PROPERTY ID #: 132167
COUNTY: Iredell

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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
5	S LL 7%	0-3	FILL			50"	S		PS .3
		3-6	M SBK SCL	VFR SS/SP SEXP					
		6-50	M SBK C	FR SS/SP SEXP					
		50-60	M SBK L SAP	VFR SS/NP SEXP					
6									
7									
8									
9									

COMMENTS:

Property ID#: 132167
County: Iredell

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)

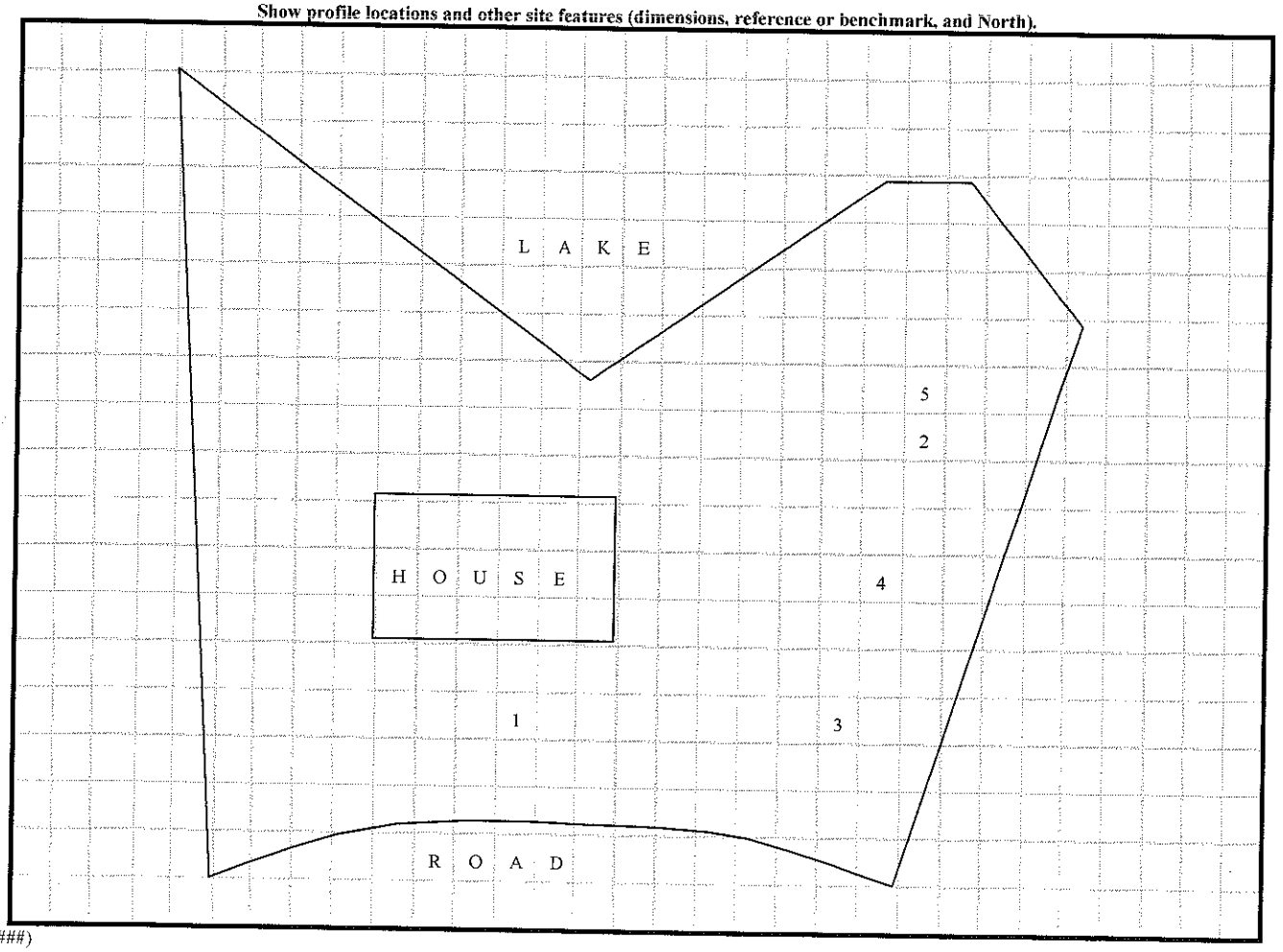
*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

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 (#####)