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

SHEET: 1 of 2
PROPERTY ID #: 132785
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Michael L Levan
ADDRESS: 120 Golden Oak Statesville, NC 28625
PROPOSED FACILITY: Single Family PROPOSED DESIGN FLOW (.1949): 360 GPD
LOCATION OF SITE: 145 Donsdale Dr Statesville – Donsdale Lot 6

APPLICATION DATE: 12/05/05
DATE EVALUATED: 12/21/05
PROPERTY SIZE: .80 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 LL 7%	0-6	M SBK SCL	VFR SS/SP SEXP	CHROMA 3-5 @ 20-36" 2 @ 36" No mottles below 36"	48"			PS .25
		6-36	W SBK C	FR S/SP SEXP					
		36-48	M SBK SC	FR SS/SP SEXP					
2	S VL 7%	0-6	M SBK SCL	VFR SS/SP SEXP	CHROMA 3-5 @ 20-36" No mottles below 36"	48"			PS .25
		6-36	M SBK C	FR S/SP SEXP					
		36-48	M SBK C	FR SS/SP SEXP					
3	S LL 8%	0-7	M SBK SCL	VFR SS/SP SEXP		48"			PS .3
		7-48	M SBK C	FR SS/SP SEXP					
4	S LL 7%	0-12	M SBK SCL	VFR SS/SP SEXP		48"			PS .3
		12-48	M SBK C	FR SS/SP SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	S	S
System Type(s)	G 25% RED	LP PPBPS
Site LTAR	.3	.3

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

COMMENTS: Soil in the area of profiles 1,2,7 could be used for repair area with modifications. Use of soil around profile 5 is not recommended.

SOIL/SITE EVALUATION

(Continuation Sheet)

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PROPERTY ID #: 132785
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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	F VL 7%	0-4	M SBK SCL	VFR SS/SP SEXP	CHROMA 3-5 @ 24"+ HIT WATER @ 36"	48"			PS .20
		4-48	M SBK C	FR SS/SP SEXP					
6	S VL 7%	0-8	M SBK SCL	VFR SS/SP SEXP		48"			PS .3
		8-48	M SBK C	FR SS/SP SEXP					
7	S LL 7%	0-8	M SBK SCL	VFR SS/SP SEXP	CHROMA 3-5 @ 24-36" No mottles below 36"	42"			PS .25
		8-36	W SBK C	FR SS/SP SEXP					
		36-42	M SBK C	FR SS/SP SEXP					
		42	HIT A ROCK						
8	S LL 8%	0-6	M SBK SCL	VFR SS/SP SEXP	FEW CHROMA 5 MOTTLES @ 24"+	48"			PS .3
		6-48	M SBK C	FR SS/SP SEXP					
9									

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.

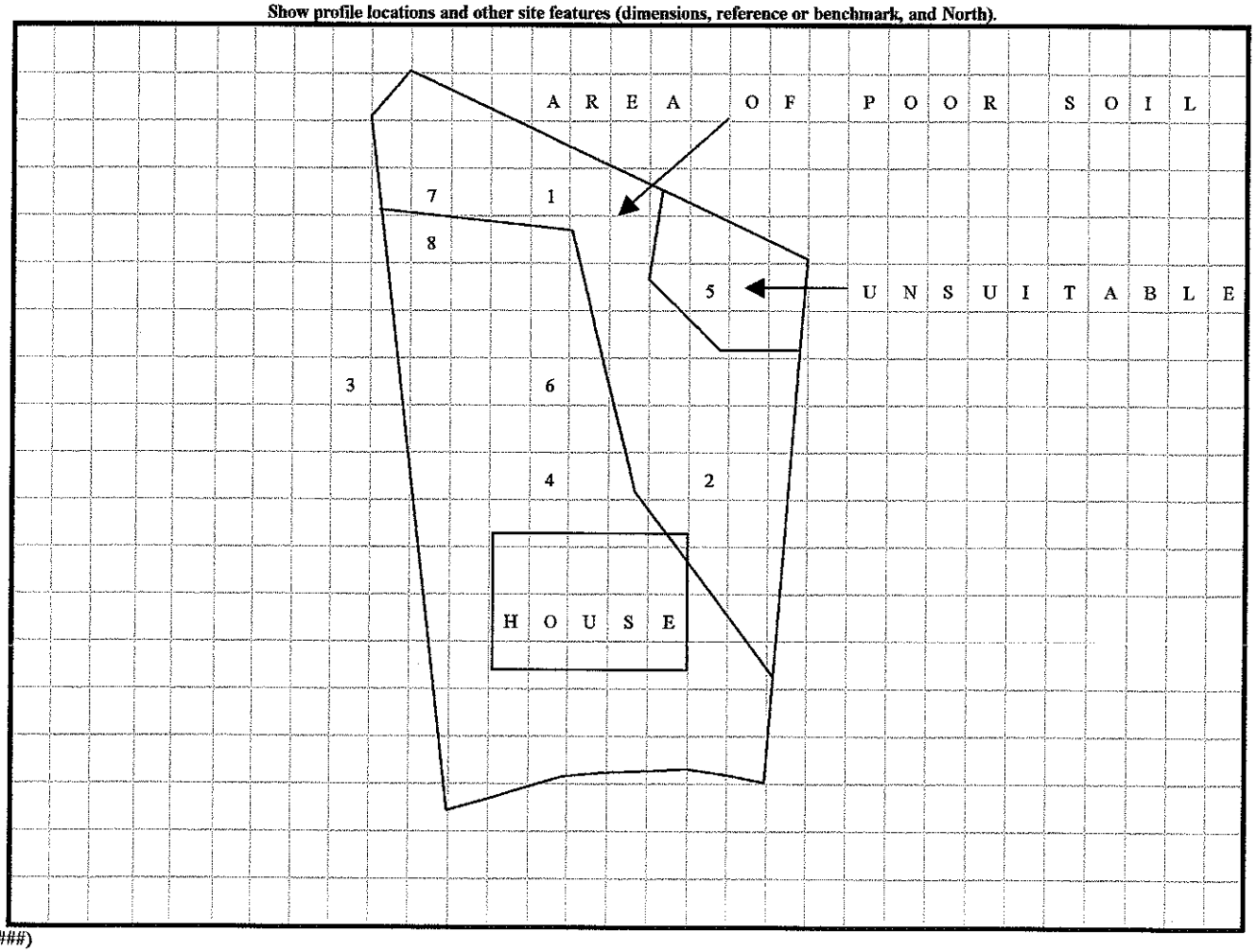
NOTES

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 (#####)