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

Sheet 1 of 1
PROPERTY ID #:
COUNTY: IREDELL

~~536-687-5691~~ 4726-63-6251

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: WILLIAM THOMAS MITCHELL
ADDRESS: 334 SCOTTS CREEK RD, STVL, NC 28625
PROPOSED FACILITY: 4 BR HOUSE
PROPOSED DESIGN FLOW (.1949): 480
LOCATION OF SITE: NC 115 N, TL SCOTTS CREEK RD, ON R AT #334
APPLICATION DATE
DATE EVALUATED: 5-9-07
PROPERTY SIZE: 1.65 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) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	2% L	0-43	SBK C	FR SSP					PS 0.3
		43-48	SBK CL	FR SSP					
2	2% SLIGHT N	0-40	SBK C	FR SSP					PS 0.3
		40-48	SBK CL	FR SSP					
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	✓	PS
System Type(s)		II
Site LTAR		0.3

OTHER FACTORS (.1946): NONE
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: S. HEDRICK
OTHER(S) PRESENT: WM. T. MITCHELL

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION

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)

GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*
I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4
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

MINERALOGY/ CONSISTENCE

NEXP (Non-expansive)
SEXP (Slightly Expansive)
EXP (Expansive)

STRUCTURE

G (Single Grain)
M (Massive)
CR (Crumb)
GR (Granular)
SBK (Subangular Blocky)
ABK (Angular Blocky)
PL (Platy)
PR (Prismatic)

MOIST

VFR (Very Friable)
FR (Friable)
FI (Firm)
VFI (Very Firm v. Very Sticky)
EFI (Extremely Firm)

WET

NS (Non-sticky)
SS (Slightly Sticky)
S (Sticky)
VS (Very Sticky)
NP (Non-plastic)
SP (Slightly Plastic)
P (Plastic)
VP (Very Plastic)

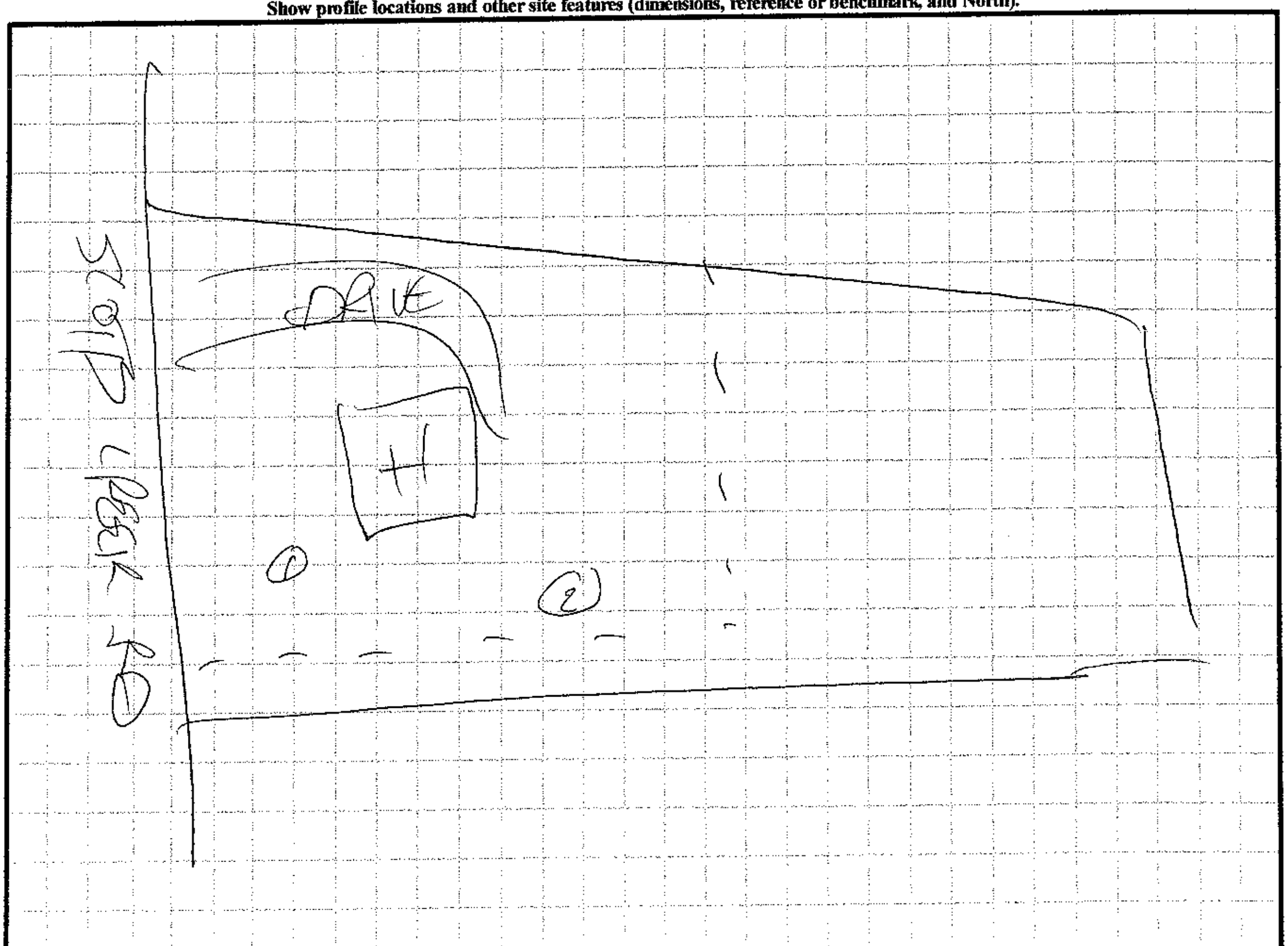
*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

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 (#####)