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

Sheet 1 of 2
PROPERTY ID #:
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Roger Berge APPLICATION DATE
ADDRESS: 644 Hickman Rd Statesville, NC. DATE EVALUATED: 8/9/04
PROPOSED FACILITY: 4 BR MH PROPOSED DESIGN FLOW (.1949): 480 PROPERTY SIZE: 2.44 Ac.
LOCATION OF SITE: PROPERTY RECORDED:
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed Oxford Scenic Court #3

PROFILE #	.1940 LAND-SCAPE POSITION/ SLOPE %	HORI-ZON 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	Linear	0-23	S/SL gr	VFr NS NP NE ~~SP~~	Red/Yellow Brn mott @ 26"				PS .40
		23-44	SCL wkbk	Fr SS NP SE ~~SP~~					
		44-48	SCL/C	Fi	41" Chroma 3		28" to Bottom Depth		
2	Linear	0-6	L gr	VFr NS NP NE ~~SP~~					US
		6-24	SCL wkbk	Fr SS NP SE ~~SP~~					
		24-	Rock						
3	Linear (Repair Area)	0-3	L gr	Fr NS NP NE ~~SP~~					PS .25
		3-13	SCL sbk	Fr NS NP SE ~~SP~~	25" Chroma 3				
		13-44	C Mk	~~Fi~~ ~~S~~ ~~P~~ SE ~~SP~~					
4	Linear	0-3	L gr	~~VFr~~ NS NP NE ~~SP~~			457 ft w/ French Drain		PS .35
		3-16	SCL/CL sbk	Fr SS SP SE ~~SP~~					
		16-48	SC/SCL sbk	Fr SS NP SE ~~SP~~					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Gravity Conv	Gravity 25% Reduction
Site LTAR	.35	.25

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

COMMENTS:

40 / 15 = 460

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	SCL (Sandy Clay Loam)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiL (Silt Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SiCL (Silty Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		Si (Silt)				
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		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.**

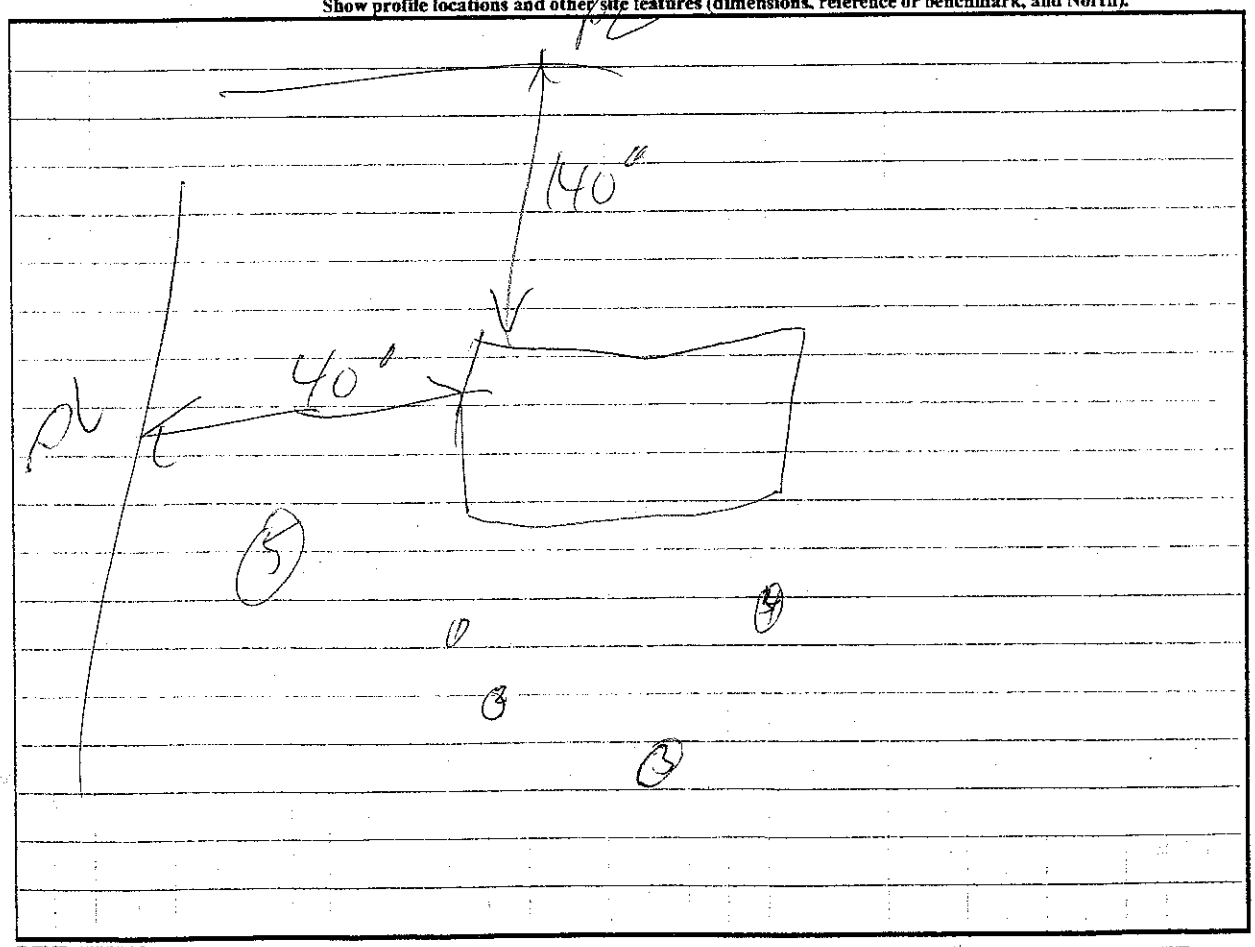
NOTES

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 (#####)

0-2" SCL
2+2
12-44"
44-48"

27" BRN mottles
31" chroma 3

20 mins
=12
36/12

.40

French Drain

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Sheet 2 of 2
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5	Linear	0-2	L g	VFr NSNP MEP	21" Some LBRN mottles				PS .35
		2-12	SCL vBk	Fr SS NP SEP					
		12-44	SC vBk	Fr SS NP SEP					
		44-48	SCL vBk	FrSS SP SEP	31" Chroma 3 Fragipan				
2									
3									
4									

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