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

4722-33-8691

Sheet 1 of 2
PROPERTY ID #:
COUNTY: Iredell

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

OWNER: Brad Moffitt APPLICATION DATE 2/24/04
ADDRESS: PO Box 6645 Statesville NC 28677 DATE EVALUATED: 4/6/04
PROPOSED FACILITY: 3br PROPOSED DESIGN FLOW (.1949): 360 PROPERTY SIZE: .6
LOCATION OF SITE: Old Mountain Rd (L) Compton Park on corner of Maxwell Ln PROPERTY RECORDED: yes
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	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
1	L 5%	0-3	~~wk sbk~~ scl	~~fr~~ vfr ss/sp sexp	>36	36	15-20% mica n/a	n/a	PS .3
		3-22	mo sbk c	fr s/p					
		22-36	mo sbk c+sap	fr s/p					
		36+	sl m sap	—					
2	L 6%	0-3	wk sbk scl	vfr ss/sp sexp	>48	>48	15-20% mica sap n/a	n/a	PS .3
		3-25	mo sbk c	fr s/p					
		25-48	mo sbk c+sap	fr s/p					
3	CV 2%	0-9	wk gr sl	vfr ss/sp sexp	1.5YR 6/6 @ 33" standing water	>48	n/a	n/a	PS .25
		9-33	mo sbk sc	fr s/p					
		33-48	mo sbk/abk c	fi s/p					
4	CV 4%	0-6	wk gr sl	vfr ss/sp sexp	2.5Y 6/3	36	15-20% mica @ 24"	n/a	PS .38
		6-24	mo sbk scl	fr s/p sexp					
		24-36	mo sbk c+sap	fr s/p sexp					
		36+	sl m sap	L					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

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

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*
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
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3
	III	SCL (Sandy Clay Loam) SiL (Silt Loam) CL (Clay Loam) SiCL (Silty Clay Loam) Si (Silt)	0.6 - 0.3	0.3 - 0.15
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay) O (Organic)	0.4 - 0.1 None	0.2 - 0.05

MINERALOGY/ CONSISTENCE	STRUCTURE
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)

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

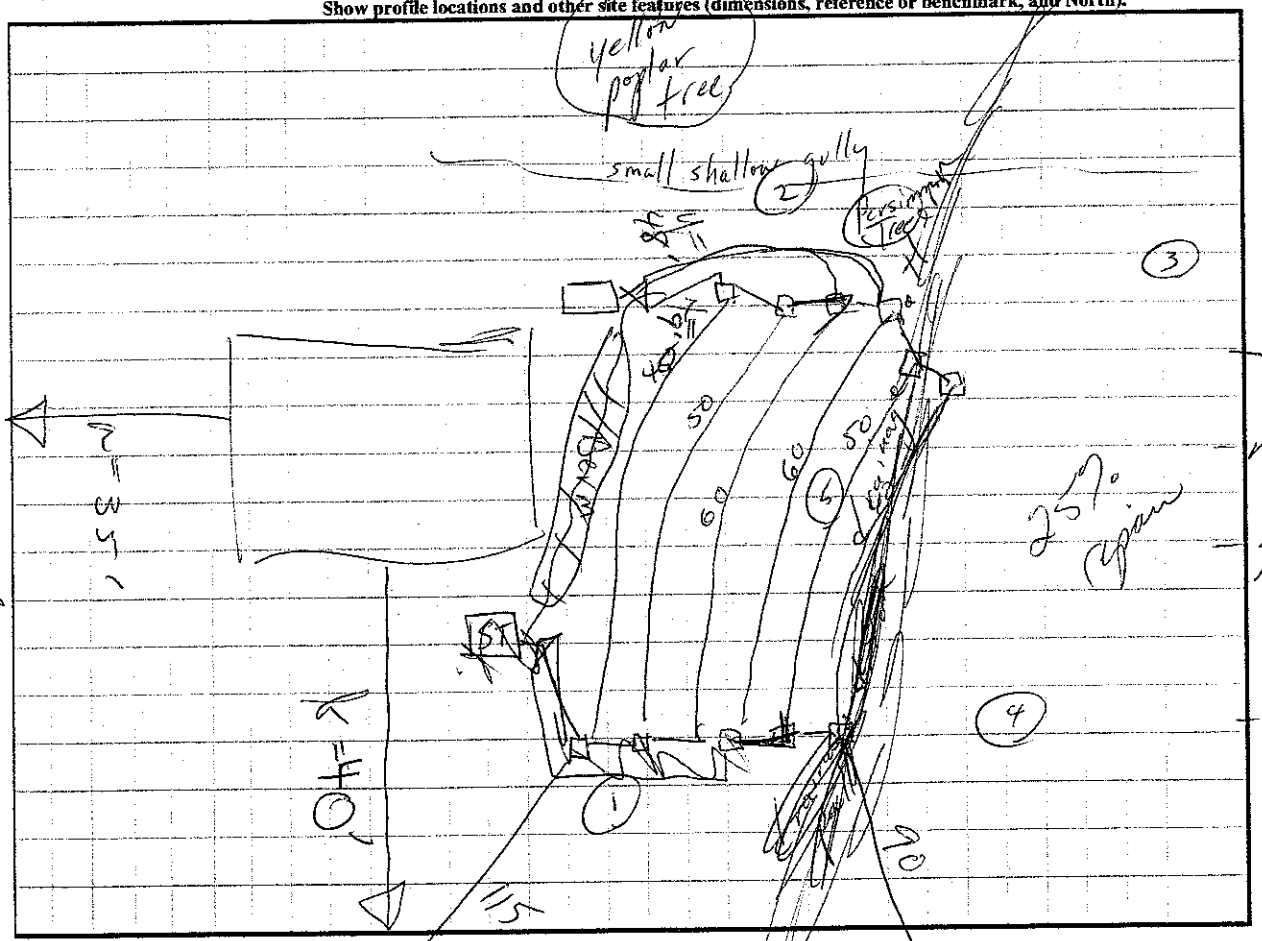
NOTES

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/ft²

Show profile locations and other site features (dimensions, reference or benchmark, and North).



5
0-3 scl
3-24 c
24-44 c+sap
44+ sap
L
5%

pack + fill gullies

maintain setbacks

grade down berm beside house

repair area will require french drain if used

Crayton Park

DENR (######)
Review (######)

Maxwell

45 > 90
45 > 100
50 > 75
45 > 75
30 > 45

40 > 100
50 > 95
60 > 120
60 > 95
40 > 95

315'
-15
300' 25%

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		24-44	mo sbk c+sap	fr s/p					
		44+	s/l m sap	—					
2									
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	grav. 25%	panel 50% grav
Site LTAR	.3 gpd/ft²	.25 gpd/ft²

OTHER FACTORS (.1946): french drain repair used
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: CS
OTHER(S) PRESENT: Brad Moffitt

COMMENTS:

LEGEND

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DENR (######)
Review (#####)