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

4880-04-6067

Sheet 1 of 2
PROPERTY ID #:
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: John Gaither APPLICATION DATE 6-16-04
ADDRESS: 325 E. Memorial Hwy Harmony NC 28634 DATE EVALUATED: 6-26-04
PROPOSED FACILITY: Church PROPOSED DESIGN FLOW (.1949): 420 gpd PROPERTY SIZE: 62.0
LOCATION OF SITE: I-77N (R) NC 901 Thru Caution light 1/4 mi on right 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 2%	0-6	wk gr sl		—	30	inclusions at 16"	—	PS .3
		6-30	mo sbk C	fr s/p sexp					
		30+	sl ma sap	—					
2	L	0-10	wk sbk scl		—	>48	1 inclusions at 10"	—	PS .3
		10-48	mo sbk C	fr s/p sexp					
3	L	0-7	wk sbk cl		—	32	—	—	PS .3
		7-25	mo sbk C	fr s/p sexp					
		25-32	mo sbk C+sap	fr s/p "					
		32+	sl ma sap	—					
4	L	0-6	wk sbk cl		—	>48	—	—	PS .3
		6-30	mo sbk C	fr s/p sexp					
		30-48	mo sbk C+sap	fr s/p "					

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*	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)

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

VP (Very Plastic)

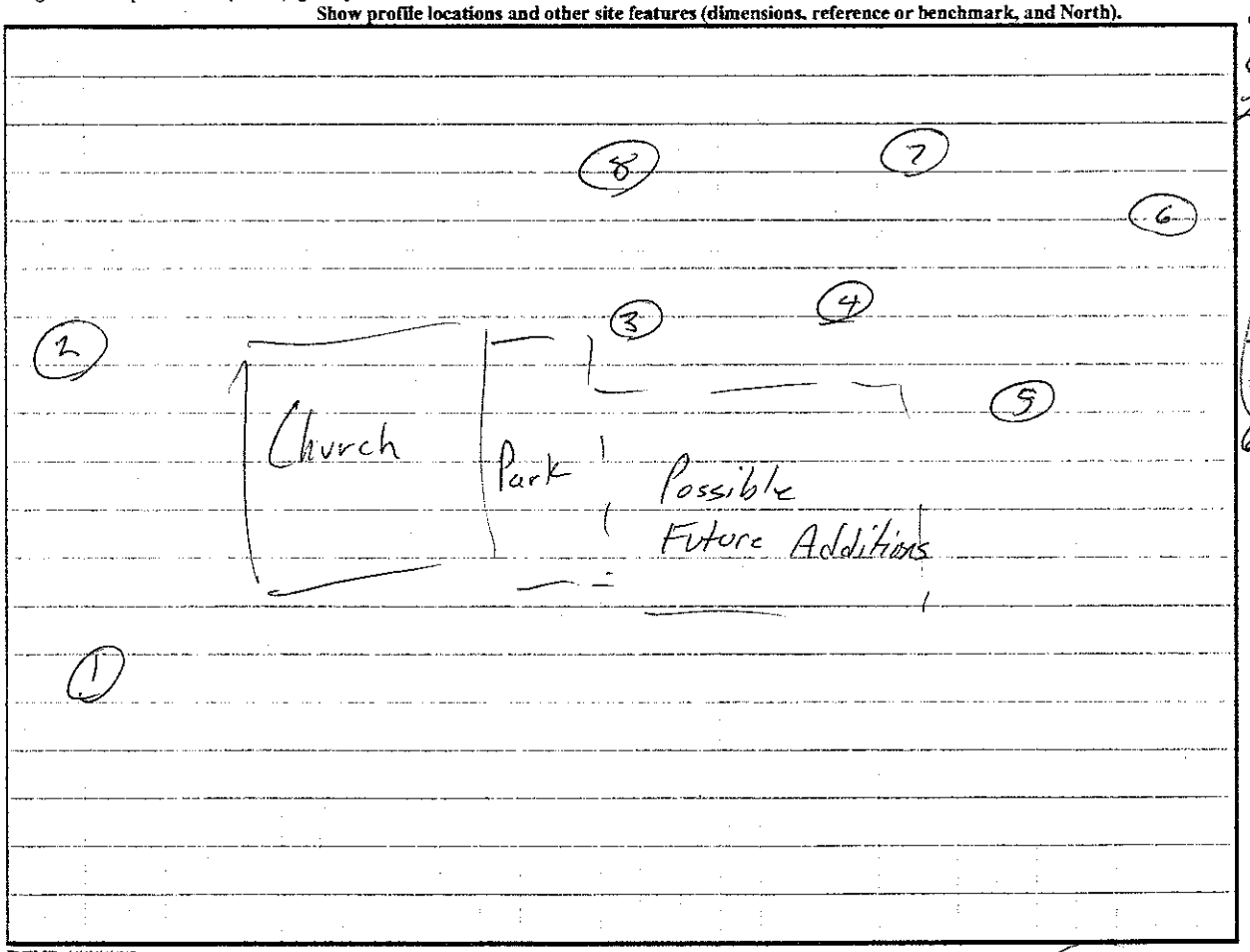
NOTES

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).



5
0-6 sl
6-24 c fr s/p
24-48 c+sap fr s/p
.25

6
0-6 scl
6-48 c
ps. 3

7
0-6 c
6-36 c
36-48 c+sap
ps. 3

8
0-10 s l
10-36 c
36-48 c+sap
ps. 3

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

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ON-SITE WASTEWATER SECTION

Sheet 2 of 2
PROPERTY ID #:
COUNTY: Iredell

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

OWNER: John Gaither APPLICATION DATE
ADDRESS: DATE EVALUATED:
PROPOSED FACILITY: PROPOSED DESIGN FLOW (.1949): PROPERTY SIZE:
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

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	0-6	wk gr sl		—	>48	—	—	ps .25
		6-24	mo sbk c	fi s/p sexp					
		24-48	mo sbk/c+sap abk	fr s/p "					
2	L	0-6	wk sbk scl		—	>48	—	—	ps .3
		6-48	mo sbk c	fr s/p sexp					
3	L	0-6	wk sbk cl		—	>48	—	—	ps .3
		6-36	mo sbk c	fr s/p sexp					
		36-48	mo sbk c+sap	fr s/p "					
4		0-10	wk gr sl		—	>48	—	—	ps .3
		10-36	mo sbk c	fr s/p sexp					
		36-48	mo sbk c+sap	fr s/p "					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	ps	ps
System Type(s)	Con. Gravity	Same
Site LTAR 0	.3 gpd/ft²	0.3 gpd/ft²

OTHER FACTORS (.1946): none
SITE CLASSIFICATION (.1948): ps
EVALUATED BY: CS
OTHER(S) PRESENT: John Gaither

COMMENTS:

LEGEND

use the following standard abbreviations

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Review (#####)