DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 3
PROPERTY ID #: 4679-02-4803
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Triplett UMC — APPLICATION DATE: 9-9-14
ADDRESS: 838 Mazeppa Rd Mooresville NC 28115 — DATE EVALUATED: 9-17-14
PROPOSED FACILITY: Activity/Family Life Center — PROPOSED DESIGN FLOW (.1949): 3730gpd — PROPERTY SIZE: 12.488 ac total
LOCATION OF SITE: 838 Mazeppa Rd Mooresville — 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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
P1	LSS 4%	0-5	B CL wFSBk	Fr SS SP SE P		44"	PS	–	PS .25
		5-26	RC MFABk	Fr S P SE P	fe YB				
		26-44	R CL wFSBk	Fr SS SP SE P	Con Sap				
		44-65	Var L/SCL Sap M	Fr SS SP SE P	fe CL, wavy	boundary			
P2	LSS 4%	0-4	B CL wFSBk	Fr SS SP SE P		42"	PS	–	PS .3
		4-24	RC MFSBk	Fr S P SE P					
		24-42	R CL wFSBk	Fr SS SP SE P	Con Sap				
		42-68	Var L Sap M	Fr SS SP SE P	fe CL wavy	boundary			
P3	LSS 4%	0-16	B SCL Gr	Fr SS SP SE P		42"	PS	–	PS .25
		16-38	R C MFSBk/ABk	Fr S P SE P	fe YB, few Sap				
		38-42	R CL wFSBk/ABk	Fr SS SP SE P	Many Sap				
		42-65	Var L/SCL Sap M	Fr SS SP SE P	few CL incl.				
P4	LSS 4%	0-8	B SCL Gr	Fr SS SP SE P		53"	PS	–	PS .3
		8-31	R C MFSBk	Fr SS SP SE P					
		31-53	R CL wFSBk	Fr SS SP SE P	Con Sap				
		53-63	Var L Sap M	Fr SS SP SE P	Con CL incl				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)		
Site LTAR	0.25	0.25

OTHER FACTORS (.1946): None
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Adrian Pruett
OTHER(S) PRESENT: Larry Thompson, Doug Helms, several others

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4679-02-4803
DATE OF EVALUATION: 9-17-14
COUNTY: Iredell

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
P5	LSS 4%	0-14	R C MFABK/SBK	Fr SS SP SEXP	few CL incl;	29"	PS	—	PS .3
		14-29	R CL WFSBK	Fr SS SP SEXP	Com CL incl				
		29-48	Var L Sap M	Fr SS SP SEXP					
		48-64	Var L Sap M	Fr SS SP SEXP					
P6	LSS 4% Allow 30" sap	0-4	F'll			16"	PS	—	PS .35
		4-11	R C MFABK/SBK	Fr SS SP SEXP	Com Sap				
		11-16	R C WFSBK	Fr SS SP SEXP	few/Com CL incl;				
		16-39	Var FSL Sap M	Fr SS SP SEXP	few CL veins				
		39-64	Var SL Sap M	Fr SS SP SEXP					
P7	LSS 4%	0-10	F'll			36"	PS	—	PS .3
		10-28	R C MFSBK/ABK	Fr SS SP SEXP	Com Sap				
		28-36	R C/CL WFSBK	Fr SS SP SEXP	Com R CL incl.				
		36-44	Var L Sap M	Fr SS SP SEXP	few CL incl.				
		44-61	Var L Sap M	Fr SS SP SEXP					
P8	LSS 4% Allow 30" sap	0-22	R C MFSBK	Fr SS SP SEXP	Com Sap	29"	PS	—	PS .35
		22-29	R CL WFSBK	Fr SS SP SEXP	Com CL incl.				
		29-48	Var L Sap M	Fr SS SP SEXP					
		48-64	Var L Sap M	Fr SS SP SEXP					
P9	LSS 4%	0-12	R C WFSBK	Fr SS SP SEXP	Com Sap	17"	PS	—	PS .4
		12-17	R CL WFSBK	Fr SS SP SEXP	Com CL incl.				
		17-36	Var L Sap M	Fr SS SP SEXP					
		36-60	Var L Sap M	Fr SS SP SEXP					

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet 3 of 3

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

Triplett UMC

PROPERTY ID #: 4679-02-4803
DATE OF EVALUATION: 10-9-14
COUNTY: Iredell

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
B 1	LSS 3%	0-10	B SCL Gr	Fr SS SP SEP		36"	PS	–	PS .3
		10-27	R C MFSBk	Fr SS SP SEP					
		27-36	R CL WFSBk	Fr SS SP SEP	Com Sap				
		36-48	Var. FSL SapM	Fr SS SP SEP	com. RCL incl.				
B 2	LSS 4%	0-6	B SCL Gr	Fr SS SP SEP		44"	PS	–	PS .25
		6-20	R C WFABk	Fr SS SP SEP	Com YB				
		20-24	R C WFSBk/ABk	Fr SS SP SEP	Few YB				
		24-44	R CL WFSBk	Fr SS SP SEP	Com Sap				
		44-48	Var FSL SapM	Fr SS SP SEP	com RCL incl.				
B 3	LSS 4%	0-4	B SCL Gr	Fr SS SP SEP		48"	–	–	PS .25 to 19 .35 >19"
		4-19	R C WFABk/SBk	Fr S, P SEP	Com YB				
		19-48	R CL WFSBk	Fr SS SP SEP	Com/many Sap				
B 4	LSS/CC 5%	0-8	B SL Gr	Fr SS SP SEP		40"	PS	–	PS .3
		8-25	R C WFSBk	Fr SS SP SEP					
		25-40	R CL WFSBk	Fr SS SP SEP	Com Sap				
		40-48	Var SL SapM	Fr SS SP SEP	com RCL incl.				
B 5	LSS. 2%	0-10	B SCL Gr	Fr SS SP SEP		48"	–	–	PS .2-.225 @ 30"
		10-19	RY C WFSBk	Fr SS SP SEP					
		19-33	YR C WFSBk	Fr SS SP SEP	Com YB @30" 2.5Y 7/2 + 2.5Y 7/3				
		33-44	R C WFSBk	Fr SS SP SEP	few 2.5Y 7/3 + 2.5Y 7/2				
		44-48	R C WFSBk	Fr SS SP SEP					

COMMENTS: All borings on this page are in the area designated for the repair of the existing system of the church and day care.