SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet 2 of 5

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4626-95-5858
DATE OF EVALUATION: 2-12-15
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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
B 5	LSS 15%	0-6	F.'11						
		6-12	B SCL Gr	Fr SS SP SEP		46"	PS	—	PS .325 .35
		12-20	R C WFSBk	Fr S P SEP					
		20-46	YR CL WFSBk	Fr SS SP SEP	Com many Sep, few R Lin.				
		46-49	Var SL Sap Pa	Fr SS SP SEP	few CL Lin.				
B 6	LSS 15%	0-38	F.'11						
		38-44	R CL WFSBk	Fr SS SP SEP	Many Sep	48"	PS	—	CAN
		44-48	Var SL Sap Pa	Fr SS SP SEP	com CL Lin.				
B 7	LSS 15%	0-28	F.'11						
		28-48	YR CL WFSBk	Fr SS SP SEP	Com Sep	48"	—	—	CAN unless Surface removed
B 8	LSS 10%	0-19	F.'11						
		19-30	B CL WFSBk	Fr SS SP SEP	Top compacted	48"	—	—	PS .275 >19"
		30-50	R C WFSBk	Fr S P SEP	few Sep				
B 9	LSS 12%	0-13	R C WFSBk	Fr SS SP SEP					
		13-40	YR CL WFSBk	Fr SS SP SEP	Many Sep few Clay Lin.	40"	PS	—	.35
		40-48	Var SL Sap Pa	Fr SS SP SEP					

COMMENTS:

B 0-14 R C WFSBk Fr S P SExP .35 .25
10 14-40 R CL WFSBk Fr SS SP SExP con sap
NSS 40-48 Var FLS Sap Fi SS SP SExP few R C incl.
7%

B 0-12 R C WFSBk Fi S P SExP few YB .35
14 12-24 R CL WFSBk Fr SSS P SExP few Leady Clay vcl-s at transition, con sip
LSS 24-48 YR CL WFSBk Fr SSS P SExP many Sap
6%

.35
O 0-12 R C WFSBk Fr S P SExP
12 12-43 YR CL WFSBk Fr SS SP SExP many sap, few C vcl-s
LSS 43-48 Var SL Sap to Fr SS SP SExP con CL incl.
15%

B20 0-13 LB SCL GR Fr SSS P SExP
LSS 13-23 R C WFSBk Fi S P SExP few quartz gravel
10+ 23-34 R C WFABk Fi SP SExP con YO few quartz gravel

B21 0-30 Fill
30-36 B SCL Gr Fr SS P SExP
10% 36-40 R C WFSBk Fr SP SExP

O-10 Fill
B 10-14 B CL WFSBk Fr SS SP SExP .35
13 14-18 R C WFSBk Fr S P SExP
LSS 18-32 YR CL WFSBk Fr SS SP SExP con/mod sap, few white minerals
15% 32-48 Var CL Sap to Fr SS SP SExP few R C incl.

O-16 Fill .35
B 16-28 YR CL WFSBk Fr SS SP SExP con sap
14 28-44 YR CL WFSBk Fr SS SP SExP many sap
LSS 44-48 Var FSL Sap to Fr SS SP SExP
15%

B O-22 Fill .35 > 22"
15 22-48 YR CL WFSBk Fr SS SP SExP many sap
LSS
15%

B 0-9 Fill .25-.275
16 9-14 B SCL WFSBk Fr SS SP SExP
10% 14-81 R C WFABk/SBk Fi SP SExP few YB

B17 0-6 B Scl Gr Fr SS SP SExP .25 to .275
6-28 R C WFABk/SBk Fi S P SExP few YB
15% 28-36 R C WFSBk Fr SS SP SExP
36 Quartz Vein

B18 O-16 Fill .3 > 12"
ZSS 16-28 B SCL GR Fr SS SP SExP
10% 28-81 YR/R C WFABk/SBk Fi SP SExP few YB, few/con sap incl.

B19 0-12 Fill
12-16 DB CL WFSBk Fr SS SP SExP
16-22 B CL WFSBk Fr SS SP SExP
LSS 22-40 R C WFSBk Fi S P SExP
10% 40-61 YR C WFSBk Fi S P SExP con sap

DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 5
PROPERTY ID #: 4626-95-5651
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Lillian Johnson
ADDRESS: 116 Poplar Grove Rd Mooresville NC
PROPOSED FACILITY: Covered Pavilion
LOCATION OF SITE: 1360 Brawley Sch Rd
WATER SUPPLY: ☑ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut

APPLICATION DATE 1-20-15
PROPOSED DESIGN FLOW (.1949): 750 gpd (150 people)
DATE EVALUATED: 2-12-15 - 3-3-15
PROPERTY SIZE: 5.45ac
PROPERTY RECORDED: yes
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
B 1	RT 5%	B-4	B SCL Gr	Fr SS SP SE SP		43"	PS	-	PS .35 @ 16"
		4-16	RC WFSBk	Fi S P SE SP	few FD				
		16-43	RCL WFSBk	Fr SS SP SE SP	Com clay coatings many SCP				
		43-48	YR SL SCPM	Fr SS SP SE SP	Com Chinel.				
B 2	LSS 12%	0-10	B SCL Gr	Fr SS SP SE SP		50"	+	-	PS .225-.25 to 26 .25 > 26"
		10-26	YRC WFSBk	Fi S P SE SP	Com YR, few RM				
		26-50	RC WFSBk	Fi-Fr SS SP SE SP	few YR, YR around old roots				
B 3	LSS 13%	0-32	Fill			48"			UN
		32-41	B CL WFSBk	Fr SS SP SE SP					
		41-48	RC WFSBk	Fr S P SE SP					
B 4	LSS 13%	0-38	Fill			48"	-	-	UN
		38-42	RC WFSBk	Fr SL SP SE SP					
		42-48	RCL WFSBk	Fr SS SP SE SP	com SP				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	PM 25% Red	LPP PDPS
Site LTAR	0.35	0.25

OTHER FACTORS (.1946): None
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: ALP
OTHER(S) PRESENT: None

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4626-95-5658
DATE OF EVALUATION: 2-12-15
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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
B 10	NS 7%	0-14	R C WFSBK	Fr S P SExP	com Sap	40"	PS	-	PS .35
		14-40	R CL WFSBK	Fr SS SP SExP	few R Cinel,				
		40-48	Var FLS Sap	Fi SSSP SExP					
B 11	LSS 6%	0-12	R C WFSBK	Fr S P SExP	few RB				PS .35
		12-24	R CL WFSBK	Fr SS SP SExP	few heavy Clay at transition,	Verts com Sap	-	-	
		24-48	YR CL WFSBK	Fr SS SP SExP	many Sap	48"			
B 12	LSS 15%	0-12	R C WFSBK	Fr S P SExP					PS .35
		12-43	YR CL WFSBK	Fr SS SP SExP	many Sap, few Clay veins				
		43-48	Var SL Sap M	Fr SS SP SExP	com CL inel.	43"	PS	-	
B 13	LSS 15%	0-10	Fill						PS .35
		10-14	B CL WFSBK	Fr SS SP SExP		32"	PS	-	
		14-18	R C WFSBK	Fr S P SExP					
		18-32	YR CL WFSBK	Fr SS SP SExP	com/many Sap, few white minerals				
		32-48	Var SL Sap M	Fr SS SP SExP	few R CL inel..				
B 14	LSS 15%	0-16	Fill						PS .35
		16-28	YR CL WFSBK	Fr SS SP SExP	Com Sap	44"	PS	-	
		28-44	YR CL WFSBK	Fr SS SP SExP	many Sap				
		44-48	Var FSL Sap M	Fr SS SP SExP					

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4626-95-5658
DATE OF EVALUATION: 3-3-15
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 15	LSS 15%	0-22	Fill		many sap	22-48"	—	—	PS .35>22"
		22-48	YR CL WFSBK	Fr SS SP SEXP					
B 16	LSS 10%	0-9	Fill		few YB	51"	—	—	PS .25
		9-14	B SCL WFSBK	Fr SS SP SExP					
		14-51	R C WFABK/SBK	Fi SP SExP					
B 17	LSS 15%	0-6	B SCL Gr	Fr SS SP SExP	few YB	36"	—	36" Vein non-continuous	PS .25
		6-28	RC WFABK/SBK	Fi S P SExP					
		28-36	RC WFSBK	Fr SS SP SExP					
		36	Quartz Vein						
B 18	LSS 10%	0-16	Fill		few YB, few/com sap incl.	51"	—	—	PS .25>16"
		16-28	B SCL Gr	Fr SS SP SExP					
		28-51	YR/R CWFABK/SBK	Fi S P SExP					
B 19	LSS 10%	0-12	Fill		com sap	51"	—	—	PS .3>12"
		12-16	B CL WFSBK	Fr SS SP SExP					
		16-22	B CL WFSBK	Fr SS SP SExP					
		22-40	R C WFSBK	Fi S P SExP					
		40-51	YR C WFSBK	Fi SP SExP					

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4626-95-5658
DATE OF EVALUATION: 3-3-15
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 20	LSS 10%	0-13	Fill			51"	–	–	PS .25
		13-23	LB SCL Gr	Fr SS SP SExP	few quartz gravel				
		23-34	RC WFSBk	Fi S P SExP					
		34-51	RC WFABk	Fi S P SExP	com FR, few quartz gravel				
B 21	LSS 10%	0-30	Fill						UN
		30-36	B SCL Gr	Fr SS SP SExP					
		36-40	RC WFSBk	Fr S P SExP					

COMMENTS: _____



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att
bp2165@att.com
bonnie peaslee
Reference to previous complaint filed