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

Sheet 1 of 3
PROPERTY ID #:
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Freedom Homes
ADDRESS: Carlyle Road (PIN 4619 49 1752 — APPLICATION DATE
PROPOSED FACILITY: 3 BR — PROPOSED DESIGN FLOW (.1949): 360 gpd — DATE EVALUATED: 7/31/13
LOCATION OF SITE: — PROPERTY SIZE: ± 0.629 ac
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other — PROPERTY RECORDED:
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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
B1	L/B 2%	0-10	BRcl mwsbk	FrSSSPSExP	d-brn/red mott				PS - 32"
		10-32	RBc mwsbk	" " "	-few				0.3
		32+	AR	Qtz Floater					
B2	L/16%	0-30	RYcl mwsbk	FrSSSPSExP	-few	30	PS		PS
		30-42	var/mass	" " "	-few				0.3
									Restrictive soil horizon at 30"
B3	H/5%	0-36	FILL						NL
		36-39	Cl mass	FrSSSPExP					
		39-48	Cl mwsbk	" " "					
4									

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:

James Mauney (Belmont) 704/827 3862

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

Sheet 2 of 3

PROPERTY ID #:
DATE OF EVALUATION: 6/5/13
COUNTY: Iredell

Freedom Homes/Carlyle

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
B4	L/15%	0-4	BRcl wsbk/sr	FrSSSPSExP					PS
		4-19	Rc wmsbk	" " " "					0.3 -
		19-43	Rcl wfsbk	" " " "	-f-csap	48	-	-	0.35
		43-48	R/ vwfsbk	" " " "	-CMSap				
B5	L/12%	0-44	R C mmsbk	FSSSP SExP	-f-wk				
		44-48	RYcl mmsbk	FrSSSFSExP	f-sap	1/8	-	-	PS
									0.?
B6	L/15%	0-6	BRcl sr-msbk	FrSSSPSExP					
		6-20	RBc mmsbk	FrSSPSExP					C.?
		20-33	Rcl wfsbk	FrSSSPSExP	-csap	33	PS	-	
		33-48	var/ mass	" " " "	-Fe/Mn nod.				Need P.?
B7	L/5%	0-23	Fill						
		23-49	Rc wmsbk	FrSSSPSExP	-FWR				LW
		49-52	Rcl mmsbk	" " " "	-CrcWR @ 20"+				MOD.
									Need P.?
P1	L/12%	0-12	BRc mmsbk	FrSSSPSExP					
		12-35	Rcl wfsbk	" " " "	-C-r sap	35	PS	-	PS
		35-43	var/ mass	" " " "					0.?

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #:
DATE OF EVALUATION: 8/5/13
COUNTY: Iredell

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
P2	L/12%	0-7	BRcl wsbk	F SSSP SEXP	- compacted	36	PS	—	PS
		7-21	Rc mmsbk	Fr SSSP SEXP					0.3
		21-36	Rcl wfsbk	" " " "	-c sap				.35
		36-60	var, l mass	" " " "					
P3	F/10%	0-12	Fill			32	PS	—	PS
		12-22	Rc wmsbk	Fr SSSP SEXP					0.3-
		22-32	RYcl wfsbk	" " " "	-c sap				.35
		32-72	var l-sl mass	" " " "					
P4	L/14%	0-22	RL mmsbk/mbk	Fr SSSP SEXP		110	PS	-	PS
		22-40	RYcl wfsbk	" " " "	-f-c sap				0.3
		40-70	var l mass	" " " "					
P5	T/10%	0-12	Fill			60	-	-	PS
		12-60	RBc mfsbk/Ask	F-Fr SSSP SEXP	-f qtz veins				0.3

COMMENTS: