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

Sheet 1 of 2
PROPERTY ID #:
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Bradley Mills
ADDRESS: 162 M & M Farms Dr. Mooresville, NC 28115
PROPOSED FACILITY:
LOCATION OF SITE: 151 Barfield Rd. Mooresville, NC 28115
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut

APPLICATION DATE 7/25/05
DATE EVALUATED: 10/05
PROPOSED DESIGN FLOW (.1949): 360 gpd
PROPERTY SIZE: 12.89 ac.
PROPERTY RECORDED:
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
1	L/10%	0-30	RCAbk/sbk	FrSSSPSEXP	N/A	46"	N/A	N/A	PS 0.3 gpd/ft²
		30-46	RCl wsbk	FrSSSPSEXP	few sap incl.				
3	L/10%	0-6	Bsl/sr	FrNSNPNEXP	N/A	46"	N/A	N/A	PS 0.25 gpd/ft²
		6-46	RCAbk/sbk	FrSSSPSEXP	YB Motts in Bt Horizon				
4 9	L/10%	0-10	BOsl sr	FrNSNPNEXP	N/A	55"	N/A	N/A	PS w/upslope drainage 0.20 gpd/ft² 0.25 below 30"
		10-30	RCMAbk	FrSSSPSEXP	Chroma 3 mottles (10") 12-30"				
		30-42	RCfwsbk/Abk	FrSSSPSEXP					
		42-56	RClosefwsbk	FrSSSPSEXP					
6	L/10%	0-6	Bsl sr	FrNSNPNEXP	few Chroma 2 mottles 12-33" few sap. inclusions in Bt.	60"	N/A	12-33" wetness ↓ utilize sub-surface drain to divert lat flow 36" trench depth	PS-w/upslope drainage 0.20 gpd/ft²
		6-33	RCAbk/sbk	FSPSEXP					
		33-60	RSC fwsbk	FrSSSPSEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1371 SF	1098 SF
System Type(s)	25% Red.	PPBPS
Site LTAR	0.2 gpd/ft²	0.2 gpd/ft²

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Samuel A. Rollans, LSS
OTHER(S) PRESENT:

COMMENTS: Pits 4 & 6 contain few drainage mottles - Propose subsurface drainage to divert lateral flow around drainfield/repair areas. Install ladle system trenches @ 36". Utilize most limiting LTAR (0.2 gpd/ft²) for ~~drainfield~~ Repair area.

SOIL/SITE EVALUATION
(Continuation Sheet)

Sheet ____ *of* ____

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: ____________
DATE OF EVALUATION: ____________
COUNTY: ____________

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
7	L/10%	0-6	Bs/gr	Fr NS NP NEXP	N/A	56"	N/A	N/A	PS
		6-34	R C Abk/sbk	Fr SS SP SEXP	few Rolicts				0.3 gpd/ft²
		34-56	R scl +sap wsbk	Fr SS SP SEXP					

COMMENTS: ____________