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

PROPERTY ID #: _____
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Mike Ryan
ADDRESS: 127b Promenade Dr. Mooresville, NC 28117
PROPOSED FACILITY: 4 Br. PROPOSED DESIGN FLOW (.1949): 480gpd
LOCATION OF SITE: Lot 86 Bells Crossing
WATER SUPPLY: ☐ Private ☐ Public *Well ☐ Spring ☐ Other
EVALUATION METHOD: *Auger Boring * Pit ☐ Cut

APPLICATION DATE 10-26-10
DATE EVALUATED: 10-22-10
PROPERTY SIZE: 1.27 acres
PROPERTY RECORDED: _____
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
Pit 1	LS 2-3%	0-9	FILL		Comm. Sap Comm. Sap & Quartz Incl.	~~48~~ 39" gm			PS .25
		9-22	R Clay SBK	FR. S/P					
		22-33	R Clay ABK	FR. S/P					
		33-48	R CL WSBK	FR. SS/SP					
Pit 2	LS 5-6%	0-8	Br. SL WSBK	VFR SS/SP	Few to Comm. Rock Incl.	50"			.25
		8-18	YR SCL WSBK	FR. SS/SP					
		18-50	R Clay SBK	FR. SS/SP					
Pit 3	LS 6-7%	0-4	Br. SL GR.	VFR. SS/SP	Rock Incl.& Chr. 2 @ 46-47"	46"			PS .25
		4-12	Br. SCL WSBK	FR. SS/SP					
		12-46	R Clay SBK/ABK	FR. SS/SP					
Pit 4	LS 6-7%	0-12	Br. SL WSBK	FR. SS/SP	Comm. Dr. Mottles, Chr. 2 @ 30"	30"			PS .225
		12-20	YR SCL WSBK	FR. SS/SP					
		20-30	RY Clay WSBK	FI-FR S/P					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	Approx. 8200 sq. ft.	Off-Site
System Type(s)	25% Red.	LP PPBPS
Site LTAR	.225	

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: MA & Assoc., Inc.
OTHER(S) PRESENT: _____
Approved ICHD gm 11-2-10

COMMENTS: Shallow system installation , 12" TB , will need suitable fill for cover, approx. 6"

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: _____
DATE OF EVALUATION: 10-22
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
Pit 5	LS 5-6%	0-3	FILL		Chr. 2's @ 26-27"	~~26-27"~~ 23" gm			Not In Use
		3-10	YB SCL WSBK	FR. SS/SP					
		10-26	RY Clay ABK	FR. S/P					
B 1	LS 2-3%	0-7	FILL			~~48"~~ 41" gm			PS .25
		7-25	R Clay SBK	FR. SS/P					
		25-36	R Clay ABK	FR. SS/P					
		36-48	R CL WSBK	FR. SS/SP					
B 2	LS 5-7%	0-10	BR SL WSBK	VFR. SS/SP	Few Rock Incl.	48"			PS .25
		10-17	YR SCL WSBK	FR. SS/SP					
		17-48	R Clay SBK/ABK	FR. SS/SP					
B 3	LS 6-7%	0-6	BR SL WSBK	VFR. SS/SP	Few Dr. Mottles/ Few Rock Incl.				PS .25
		6-15	BR SCL WSBK	FR. SS/SP					
		15-34	R Clay SBK ABK	FR SS/SP					
		@34"	Auger Refusal						
B 4	LS 2-3%	0-3	FILL		Comm. Dr. Mottles	~~31"~~ 28" gm			PS .225
		3-14	YB SCL WSBK	FR SS/SP					
		14-31	YR Clay ABK	FR. S/P					
		@31"	Chr. 2						

COMMENTS: Approved ICHD gm 11-2-10