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

Sheet 1 of 3
PROPERTY ID #: 4636081921
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Matthew Varnell — APPLICANT: Grainda Builders
ADDRESS: 135 Chestnut Bay Ln — APPLICATION DATE: _____ — DATE EVALUATED: 5-19-05
PROPOSED FACILITY: House — PROPOSED DESIGN FLOW (.1949): 480 gpd — PROPERTY SIZE: _____
LOCATION OF SITE: Beechtree Bay Lot 8/8A — PROPERTY RECORDED: _____
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

OK 12/18/14 MD

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	PROFIL CLASS & LTAI
1	A-5 SFE 8A	0-7	gr-wk sbk ls sl	fr sss p					.3
		7-24	m fsbk rc	fr ss sp sep					
		24-43	wk sbk yp cl	fr ss sp common mi sap					
		43-55	massive l/sl sap	fr ss sp					
2	A-6	0-27	gr-wk sbk ls sl	fr ss p					.3
		27-38	m fsbk rc	fr ss p ss p					
3	A-7	0-6	c/cl	few mi sap fr ss p					.35
		6-51	massive c/sl sap	fr ss p					
4	A-6	0-11	gr-wk sbk ls sl	fr ss p					.3
		11-40	m fsbk rc	fr ss p ss p					
		40-57	wk sbk yp cl	fr ss p common mi sap					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	~~EP~~ S	PS
System Type(s)	50% Red	50% Red.
Site LTAR	.3	.25

OTHER FACTORS (.1946): None
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: David Hinson
OTHER(S) PRESENT: _____

DEPARTMENT OF ENVIRONMENT, [illegible]
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet 2 of 3
PROPERTY ID #: 4636D819
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Matthew Varnell APPLICANT: Grainda Builders
ADDRESS: 135 Chestnut Bay Mooresville APPLICATION DATE: _____ DATE EVALUATED: 3-21-05
PROPOSED FACILITY: House PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: Lot 16 Beechtree Bay PROPERTY RECORDED: _____
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

OK mp 12/18/14

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	PROFIL CLASS & LTAI
1	Close to embankment Pit area SFE 8A	0-68+	Massive L/SL Stp friss sp		7"c on top @ Sand pit)				.3
2	cut area	0-65	Massive L/SL Stp friss sp						.4
3		0-9 (in spots) 9-64+	Mod fabk 1/2 fr sss p Massive dmbar mp L/SL Stp friss p						.3-.4
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	50% Red	50% Red
Site LTAR	.3	.25

OTHER FACTORS (.1946): None
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: David Hinson
OTHER(S) PRESENT: _____

DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet 3 of 3
PROPERTY ID #: 4636089021
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Matthew Varnell APPLICANT: Grainda Builders
ADDRESS: 135 Chestnut Bay APPLICATION DATE: _____ DATE EVALUATED: 3-21-05
PROPOSED FACILITY: House PROPOSED DESIGN FLOW (.1949): 480gpd PROPERTY SIZE: _____
LOCATION OF SITE: lot 17 Beechtree Bay PROPERTY RECORDED: _____
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

OK
MD 12/18/14

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	PROFIL CLASS & LTAR
1		0-7	wk sbk brn sdl	fr sss sp					.3
		7-24	mod sbk RC	fr sss sp so					
		24-61	wk ssl up cl	fr sss p	few yw. rock, few wi sap				
2	NW wall	0-15	sbk c	fr sss sp so					.3
		15-69	wk sbk-massive ysl	ssl sp fr sss p					
	SW wall	-48"	c/cl	fr sss p	common wi sap, few yw. rock 100' well/roadway (most of soil unsuitable & saprolite)				
3	Now in SFE 8A	0-11	wk sbk brn sdl	fr sss p					.225-.25
		11-52	mod sbk/wk sbk RBrn cl	fr sss p	common manganese concretions				
		52-72	fine dist/abd sbk rc	fr sp. sss p	common yw saprolites				
4	Now in SFE 14A	0-13	wk sbk brn sdl	fr sss p					.25
		13-42	mod sbk rbrn cl	fr sbk sss p	common manganese concretions				
		42-62	sbk rc	fr sss p so					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	50% Red	50% Red
Site LTAR	.3	.25

OTHER FACTORS (.1946): None
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: David Hinson
OTHER(S) PRESENT: _____