Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet: 1-2
Property ID: 4636-88-8237
Lot #: 1
File #:
AppID:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Joy Seal
Address: 103 Wood Duck Lp Mooresville NC 28117
Proposed Facility: 1 BRM Addition (Existing) Design Flow (.1949) 480 gpd total
Location of Site: 103 Wood Duck Lp 3) Mooresville NC 28117
Water Supply: [X] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

Applicant: Joy Seal
Date Evaluated: 12-2-13
Property Size: 0.69ac
Property Recorded: YES

PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941 Structure/ Texture	SOIL MORPHOLOGY 1941 Consistence Mineralogy	b PROFILE FACTORS 1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	Profile Class & LTAR
B1	SS	0-4	Fill			48"	—	—	PS
		4-14	B SCL WFSBK	Fr SS SP SExP					.25
		14-28	BR C WFSBK	Fr SS SP SExP	Com Mn,				
		28-48	YR/BR C WFSBK	Fr SS SP SExP	Com/many Mn, Com YB, few Red Mottles				
B2	SS 20%	0-12	Fill			48"	—	—	PS
		12 16	B SCL Gr	Fr SS SP SExP					.25 to 41"
		16-41	BR C/SC WFSBK	Fr SS SP SExP	few YB >38", Com Mn, some Organics				.2 >41"
		41-48	YB C WFSBK	Fr SS SP SExP					
B3	SS 10%	0-8	B SCL Gr	Fr SS SP SExP	Chr 2 > 13"				GN
		8-28	YB SC WFSBK	Fr SS SP SExP					
B4	SS 15%	0-6	Fill			44"	—	—	PS
		6-20	B SCL Gr/WFSBK	Fr SS SP SExP	few Mn				.25 to 28"
		20-24	RB C WFSBK	Fr SS SP SExP	few Mn				.2 28"-39"
		24-28	YR C WFSBK	Fr SS SP SExP	few Mn, Com YB				
		28-44	YB C/SC WFSBK	Fr SS SP SExP	Chr 2 38", few Mn				

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	25% Red	LP PPBPS
Site LTAR	0.25	0.25

Other Factors (.1946): None
Soil Evaluation By: ALP
Others Present: None
Site Classification (.1948): PS
Site Evaluation By: ALP
Others Present: None

Department of Environment, Health, and Natural Resources
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Sheet: 2-2
Property ID: 4636-88-8237
Lot #: 1
File #:
AppID:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Soy Seal
Address: 103 Wood Duck Lp Mooresville NC 28117
Proposed Facility: 1 BRM Addition (Existing 3) Design Flow (.1949) 480 gpd
Location of Site: 103 Wood Duck Lp Mooresville NC 28117
Water Supply: [✓] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [✓] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [✓] Sewage [ ] Industrial Process [ ] Mixed

Applicant: Soy Seal
Date Evaluated: 12-2-13
Property Size: 0.69ac
Property Recorded: yes

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 Structure/ Texture	SOIL MORPHOLOGY .1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
B 5	SS 10%	0-14	Fill		few sap / com sap } soil was very moist	48"	-	-	PS .275
		14-21	B SCL WFSBK	Fr SS SP SEXP					
		21-40	RC WFSBK	Fr S P SEXP					
		40-48	R CWFSBK	Fr S P SEXP					
B 6	SS 5%	0-12	RC WFSBK	Fr SS SP SEXP	common sap	48"	-	-	PS 0.35
		12-48	YR CL WFSBK	Fr SS SP SEXP					
B 7	SS 4%	0-4	B SCL Gr	Fr SS SP SEXP	com sap	48"	-	-	PS .25
		4-34	RC VWFSBK	Fr SS SP SEXP					
		34-41	RCL WFSBK	Fr SS SP SEXP					
		41-48	RK SL Sap	M Fr SS SP SEXP					

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	25% Red.	LP PPBPS
Site LTAR	0.25	0.25

Other Factors (.1946): None
Soil Evaluation By: ALP
Others Present: None
Site Classification (.1948): PS
Site Evaluation By: ALP
Others Present: None

B5 0-14 Fill
SS 14-21 B SCL WFSBK FR SS SP SEXP .275
10% 21-40 R C WFSBK FR S P SEXP few sap Soil was very moist
40-48 R C WFSBK FR S P SEXP Com sap

B6 0-12 R C WFSBK FR SS SP SEXP .35
5% 12-48 YR CL WFSBK FR SS SP SEXP Com/many sap

B7 0-4 D SCL Gr FR SS SP SEXP .25
4% 4-34 R C VWFSBK FR SS SP SEXP
34-41 R CL WFSBK FR SS SP SEXP
41-48 RY SL Sap B

DAS DON ALLEN & ASSOCIATES, P.A.

"Since 1971"

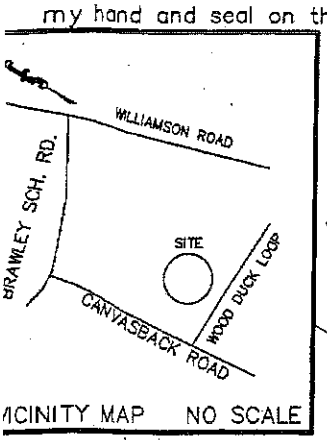
Commercial * Residential * Mortgage Surveys * Multi-Family
Construction Staking * Subdivision Design * Topographical
111-B Raceway Drive * Mooresville * NC * 28117
(704) 664-7029 (704) 664-8041 Fax

I, certify that this map was drawn under my supervision from an actual survey made under my supervision recorded in deed book 2242, page 687, and/or plat book 16, page 21, that the ratio of precision is 1':10,000, that this map was prepared in accordance with the General Statutes of North Carolina Chapter 89C.

my hand and seal on the 25, day of NOVEMBER, A.D. 20

NORTH CAROLINA PROFESSIONAL

WILLIAM M. ALLEN SEAL L3499 LAND SURVEYOR WILLIAM M. ALLEN



VICINITY MAP NO SCALE

LOT 8
10/59
JAMES PAUL BREMER
LINDA J. BREMER
1320/745

#4 REBAR SET

S10°39'12"E 20.00'

S61°34'30"E 60.00'

S27°07'32"E 30.03'

#4 REBAR FOUND

(TIE ONLY) N39°25'44"W 97.47'

#4 REBAR FOUND

NCDOT
1940/1027

50' BUFFER

PB. 16 PG. 21

219.56'

N78°18'55"E

196.47'

S61°04'00"W (BASE BEARING)

LOT 1
0.69 AC.

LOT 2
GARY M. TUCKER
VICTORIA M. TUCKER
1176/1971

PAVERS
DECK
15.9'
14.0'
4.0
4.0
20.2'
1 STORY FRAME W/BASEMENT COMP. ROOF
31.3'
29.9'
WALL
25.1'
FRAME BLDG.
2.9'
4.2'
12.2'
COVERED PORCH
4.0'
20.0'
7.8'
10.6'
9.1'
22.6'
23.3'
CONCRETE DRIVE
29.5'
47.6'

(CHORD BEARING) N79°23'35"W 94.50'

#4 REBAR FOUND

(TIE ONLY) N53°46'42"W 206.30'

#4 REBAR FOUND

R/W

#4 REBAR FOUND R/W

R=129.08'
A=96.75'

N10°38'37"W 110.00'

WOOD DUCK LOOP
60' PUBLIC R/W

CANVASBACK ROAD
60' PUBLIC R/W

#5 REBAR FOUND

(TIE ONLY) S85°31'03"W 119.29'

EXISTING PK NAIL

0' 20' 40' 100'

SCALE IN FEET

LEGEND
P.P. = POWER POLE
= DUKE POWER TRANS.
E.I.P. = EXISTING IRON FOUND
I.P.S. = #4 REBAR SET
R/W = RIGHT-OF-WAY

NOTES
1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENTS AND/OR RIGHTS OF WAY OF RECORD.
2) ACREAGE COMPUTED BY THE

PHYSICAL SURVEY