

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
361 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

Reference: Data Sheet for Tract 3, Crown Ct., PIN 4639281808
House Footprint: 55' x 57'
Building Setbacks: 35' front, 15' side, 50' lake
Water Source: Public Water
Number of Bedrooms: 3/360 GPD
Proposed LTAR: 0.3 GPD/FT2 (initial), 0.1 GPD/FT2 (repair)
Proposed System Type: PPBPS
Proposed Repair System Type: Pretreatment Drip
Distribution: Pressure Manifold
Flow per Tap: 7.11 GPM
Tap Size: ½" SCH 40
System Flow: 28.44 GPM
Dosing Volume: 173 gallons (48 panels)
Pump Run Time: 6.1 minutes
Elevation Head: 15.4'
Friction Head: 2'
Pressure Head: 2'
Total Dynamic Head: 19.4'
Supply Line Length: 110'
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 36"

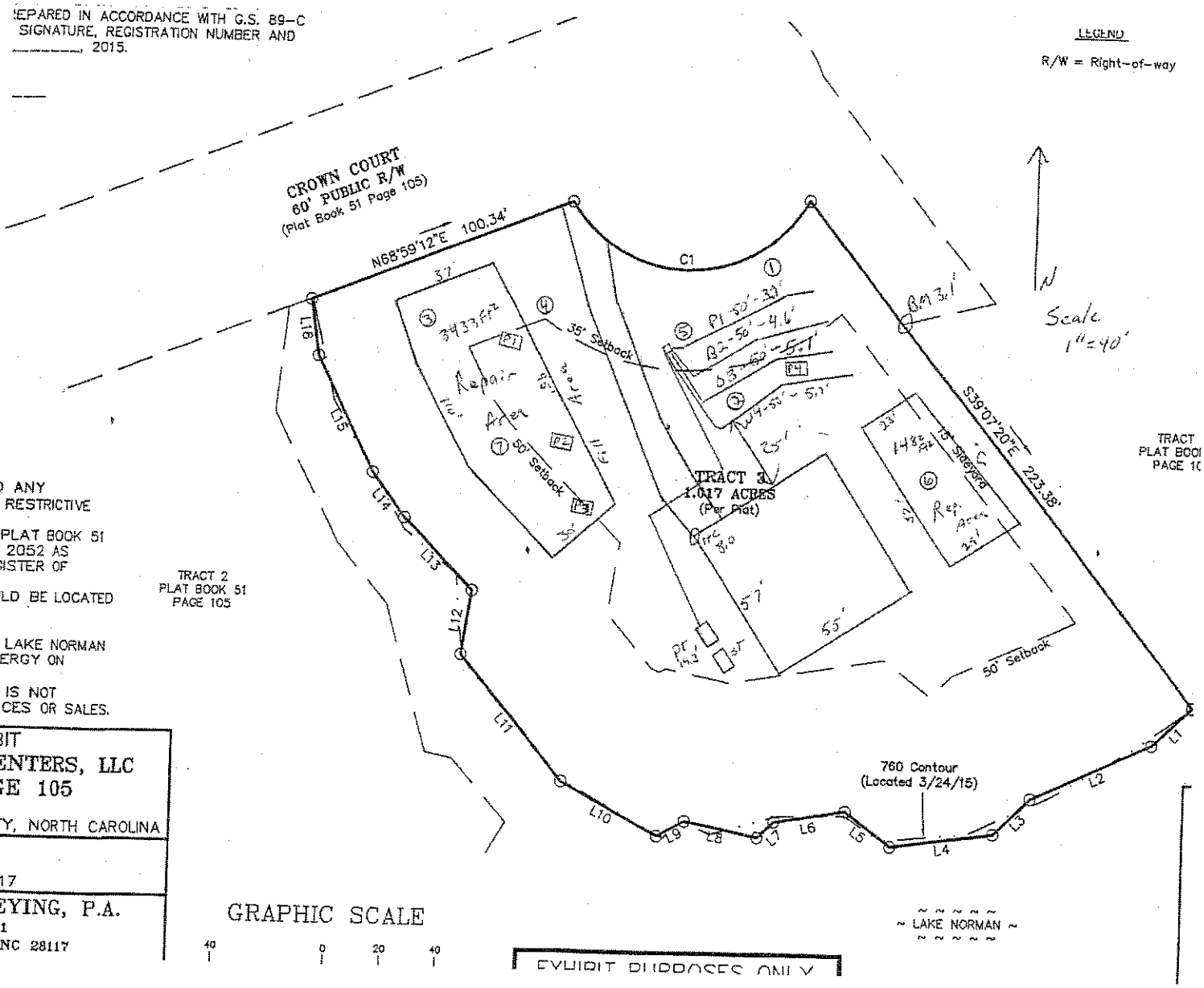
Line	Design Length	Actual Length	Elevation
Pink 1	50'	57'	3.9'
Blue 2	50'	57'	4.6'
Orange 3	50'	59'	5.1'
White 4	50'	76'	5.7'

Initial System: 200' **Repair System:** 3600+'
Pump Tank: 14.3' **House Corner:** 8.0' **Benchmark:** 3.1'

Comments:

Any water line must be 10' from the septic area. The supply line must be 30" below the driveway. The septic lines must be 25' upslope from the foundation drain.

EPARED IN ACCORDANCE WITH G.S. 89-C
SIGNATURE, REGISTRATION NUMBER AND
_____, 2015.



O ANY
RESTRICTIVE

PLAT BOOK 51
2052 AS
GISTER OF

JLD BE LOCATED

TRACT 2
PLAT BOOK 51
PAGE 105

I LAKE NORMAN
NERGY ON

O IS NOT
NCES OR SALES.

TRACT
PLAT BOO
PAGE 1(

BIT
ENTERS, LLC
GE 105

NTY, NORTH CAROLINA

T
117

VEYING, P.A.
031
, NC 28117

GRAPHIC SCALE

40 0 20 40

EXHIBIT PURPOSES ONLY

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

PROPERTY ID #: 4639281808
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Soils ✱ LA

OWNER: Michael Halford APPLICATION DATE
ADDRESS: 131 Crown Ct.,Troutman, NC DATE EVALUATED:
PROPOSED FACILITY: 3 bdrm PROPOSED DESIGN FLOW (.1949): 360 GPD PROPERTY SIZE: 1.017 AC
LOCATION OF SITE: Crown Ct PROPERTY RECORDED: 8/9/1996
WATER SUPPLY: ☐ Private ☰ Public ☐ Well ☐ Spring ☐ Other
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
PIT 1	LS 8%	0-12	R C SBK	FR SS SP	N/A	24"	F-C SAP	N/A	PS 0.3-0.4
		12-24	R CL WSBK	FR SS SP					
		24-48	L SAP M	FR SS SP			PS		
		48-60	SL SAP M	VFR SS SP					
PIT 2	LS 10%	0-15	R C SBK	FR SS SP	N/A	30"	F-C SAP	N/A	PS 0.3-0.4
		15-30	R CL WSBK	FR SS SP					
		30-57	L SAP M	FR SS SP			PS		
		57-62	SL SAP M	VFR SS SP					
PIT 3	LS 10%	0-4	Br CL WSBK	FR SS SP	N/A	28"	F-C SAP PS	N/A	PS 0.3-0.4
		4-28	R C SBK	FR SS SP					
		28-63	L SAP M	FR SS SP					
PIT 4	LS 5%	0-5	Br CL WSBK	FR SS SP	N/A	56"	F-C SAP PS	N/A	PS 0.3
		5-36	R C	FR SS SP					
		36-56	R CL WSBK	FR SS SP					
		56-65	L SAP M	FR SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	600 FT2	3600+FT2
System Type(s)	PPBPS	DRIP
Site LTAR	0.3	0.1

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: M A & Associates
OTHER(S) PRESENT:

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4639281808
DATE OF EVALUATION:
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
AB 1	LS 5%	0-3	Br CL WSBK	FR SS SP	N/A	48"	F-C SAP	N/A	PS 0.3
		3-28	R C SBK	FR SS SP					
		28-48	R CL WSBK	FR SS SP					
AB 2	LS 5%	0-6	Br CL WSBK	FR SS SP	N/A	48"	F-C SAP	N/A	PS 0.3
		6-30	R C SBK	FR SS SP					
		30-48	R CL WSBK	FR SS SP					
AB 3	LS 10%	0-19	R CL WSBK	FR SS SP	N/A	19"	F-C SAP PS	N/A	PS 0.4-0.5
		19-30	L SAP M	FR SS SP					
		30-39	SL SAP M	VFR SS SP					
AB 4	LS 8%	0-10	R C SBK	FR SS SP	N/A	24"	F-C SAP PS	N/A	PS 0.3-0.4
		10-24	R CL WSBK	FR SS SP					
		24-32	L SAP M	FR SS SP					
		32-54	SL SAP M	VFR SS SP					
AB 5	LS 3%	0-4	Br CL WSBK	FR SS SP	N/A	48"	Few SAP	N/A	PS 0.3
		4-35	R C SBK	FR SS SP					
		35-48	R CL WSBK	FR SS SP					

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4639281808
DATE OF EVALUATION:
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
AB 6	LS 5% 790	0-6	Br CL WSBK	FR SS SP	N/A	48"	Few SAP	N/A	PS 0.3 0.125 A-13 IC 0.1 ORIP
		6-36	R C SBK	FR SS SP					
		36-48	R CL WSBK	FR SS SP					
AB 7	LS 10%	0-2	Br CL WSBK	FR SS SP	N/A	24"	PS	N/A	PS 0.3-0.4
		2-12	R C SBK	FR SS SP					
		12-24	R CL WSBK	FR SS SP					
		24-48	VER L SAP M	VFR SS SP					

COMMENTS: