

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

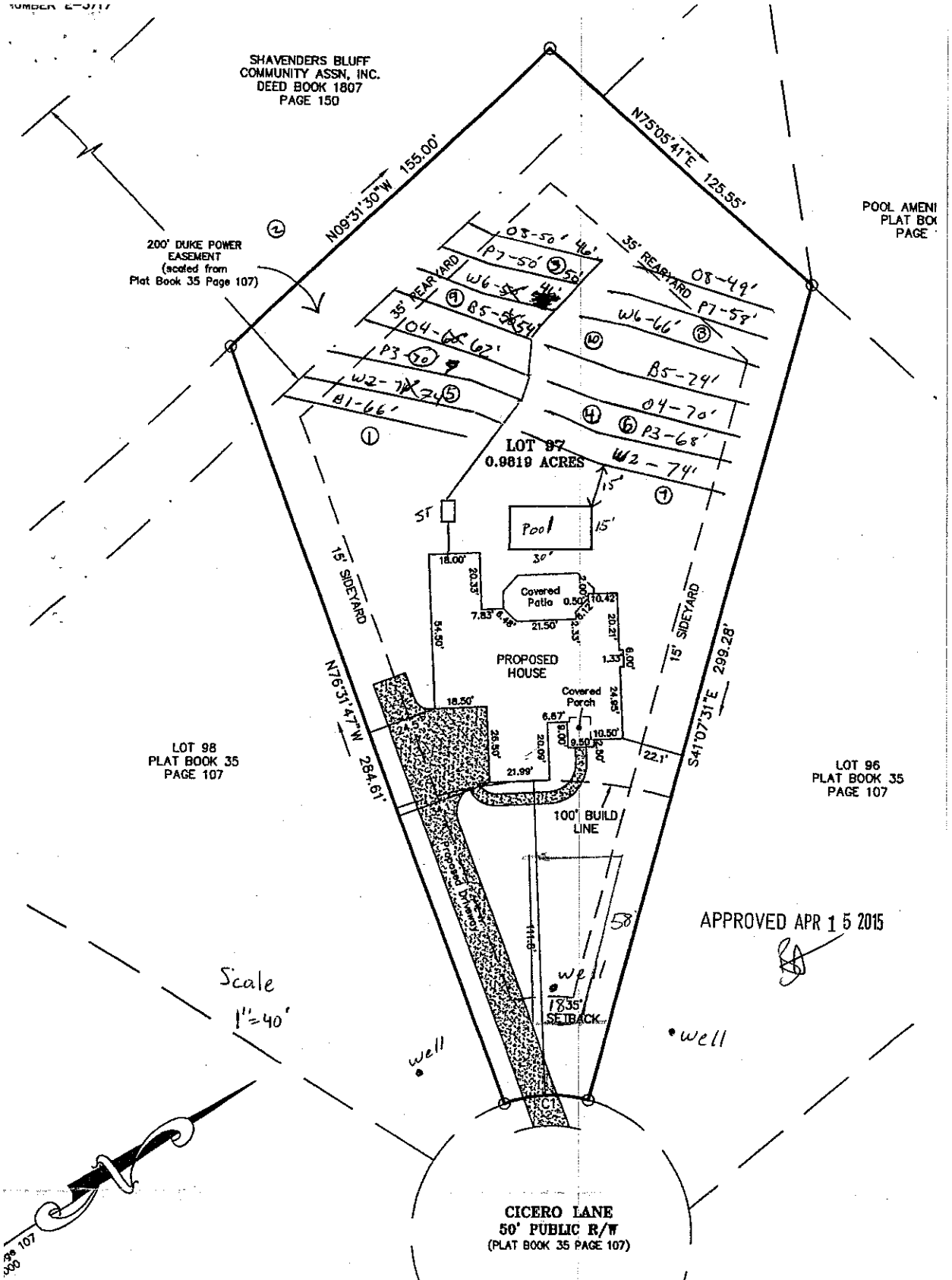
Reference: Data Sheet for Shavender's Bluff Lot 97, 128 Cicero Ln.
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side
Water Source: Private well
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT2 (initial), 0.25 GPD/FT2 (repair)
Proposed System Type: 25% Reduction
Proposed Repair System Type: Shallow 25% Reduction
Distribution: Gravity-drop boxes/end cap
Septic Tank Size: 1000 gallons
Proposed Trench Bottom: 24-36" (initial), 12" (repair)

Line	Design Length	Actual Length
Blue 1	[illegible]	66'
White 2	**70'/74'**	**150'**
Pink 3	**70'/68'**	**144'**
Orange 4	**60'/70'**	**136'**
Blue 5	**50'/74'**	**130'**
White 6	**50'/66'**	**122'**
Pink 7	**50'/58'**	**114'**
Orange 8	**50'/49'**	**105'**

APPROVED APR 15 2015

Initial System: 400' **Repair System:** 525'

Comments:
The pool is flagged in orange and the Duke Power easement is flagged in red. The repair will require additional soil cover when the repair is needed.



PLOT PLAN

97 – SHAVENDER'S BLUFF

LAT BOOK 35 PAGE 107

128 CICERO LANE

OWNSHIP, IREDELL COUNTY, NORTH CAROLINA

PRESTIGE BUILDING COMPANY, INC.
130-C OSTWALT AMITY ROAD
TROUTMAN, NC 28166

ION LAND SURVEYING, P.A.

NC LICENSE #: P-1031

1. THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENTS, RIGHTS-OF-WAY, AND/OR RESTRICTIVE COVENANTS.
2. BOUNDARY INFORMATION BASED ON PLAT BOOK 35 PAGE 107 AS RECORDED IN THE IREDELL COUNTY REGISTER OF DEEDS. NO FIELDWORK WAS PERFORMED FOR THIS PLOT PLAN.

LEGEND

R/W = Right-of-

—∿— = Not to S

GRAPHIC S(

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

PROPERTY ID #: 4627922040
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

APPROVED APR 15 2015

OWNER: Michael Hemphill
ADDRESS: 7282 Willowbrook Dr., Denver, NC
PROPOSED FACILITY: 4 bdrm PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: Shanvenders Bluff Lot 97, 128 Cicero Ln.
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut

APPLICATION DATE
DATE EVALUATED:
PROPERTY SIZE: 0.9819 AC
PROPERTY RECORDED: 6/12/2000
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

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	
1	LS 10%	0-4	Br CL WSBK	FR SS SP	N/A	48"	N/A	N/A	PS 0.3
		4-32	R C SBK	FR SS SP					
		32-48	R CL WSBK	FR SS SP					
2	LS 8%	0-5	Br SCL WSBK	FR SS SP	N/A	48"	N/A	N/A	PS 0.3
		5-46	R C SBK	FR SS SP					
		46-48	R CL WSBK	FR SS SP					
3	LS 8%	0-5	Br SL WSBK	FR SS SP	N/A	48"	N/A	N/A	PS 0.3
		5-45	R C SBK	FR SS SP					
		45-48	R CL WSBK	FR SS SP					
4	LS 10%	0-10	BR SL WSBK	FR SS SP	Few YB	36"	N/A	N/A	PS 0.3-0.25
		10-36	R C SBK	FR SS SP					
		36	AR						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1200 FT2	1440 FT2
System Type(s)	25% Reduction	Shallow 25% Reduction
Site LTAR	0.3	0.25

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

APPROVED APR 15 2015 RA

PROPERTY ID #:4627922040
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	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
5	LS 8%	0-10	Br CL WSBK	FR SS SP	N/A	48"	N/A	N/A	PS 0.3
		10-32	R C SBK	FR SS SP					
		32-48	R CL WSBK W/	FR SS SP					
			QUARTZ INCL						
6	LS 10%	0-12	Br SL WSBK	FR SS SP	Few YB	34"	N/A	N/A	PS 0.25
		12-34	R C SBK	FR SS SP					
		34	CHR 2						
7	LS 10%	0-10	Br SL WSBK	FR SS SP	Few YB	36"	N/A	N/A	PS 0.25
		10-36	R C SBK	FR SS SP					
		36	AR						
8	LS 10%	0-10	Br SL WSBK	FR SS SP	N/A	28"	N/A	N/A	PS 0.3
		10-28	R C SBK	FR SS SP					
		28	AR						
9	LS 10%	0-10	Br SL WSBK	FR SS SP	N/A	48"	N/A	N/A	PS 0.3
		10-40	R C SBK	FR SS SP					
		40-48	R CL WSBK	FR SS SP					

COMMENTS:

APPROVED APR 1 5 2015

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet 3 of 3

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4627922040
DATE OF EVALUATION: ______
COUNTY: Iredell

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10	LS 10%	0-8	Br SL WSBK	FR SS SP	N/A	28"	N/A	N/A	PS 0.3
		8-28	R C SBK	FR SS SP					
		28	AR						

COMMENTS: ______