

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

Reference: Data Sheet for Hidden Creek Lot 7
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
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Gravity-Drop boxes/end cap
Septic Tank Size: 1000 gallons
Proposed Trench Bottom: 24-36"

Line	Design Length	Actual Length
Blue 1		45'
Pink 2		75'
Yellow 3		65'
Red 4	**80'**	**98'**
White 5	**80'**	**97'**
Pink 6	**80'**	**94'**
Yellow 7	**80'**	**96'**
Red 8	**80'**	**107'**
White 9		83'
Blue 10		42'

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Initial System: 400' **Repair System:** 310'

Comments:
The original permit called for 100' well separation due to the presence of saprolite in the soil profile. We changed the LTAR from 0.25 to 0.3. We received copies of the previous soil notes from ICHD but there was no site plan showing the pit locations.

Not To Scale

Glenn & Donna Bennett
D.B. 1143, Pg 989

Coy Ray Wiles, Jr. &
Sue F. Wiles
D.B. 746, Pg. 537

11' Septic Supply Line Easement

11' Septic Supply Line Easement

N87°50'59"W 130.00

10' Drainage & Utility Easement

B1-45' V45'
P2-75' V100'
Y3-65' V98'
R4-80' V92'
W5-80'
P6-80' V104'
Y7-80' V42'
R8-80'
W9 83'
B10-42'

35' Setback

15' Setback

15' Setback

Lot 7
26,000 Sq.Ft.
0.59 Acres

S02°09'10"W 200.00

N02°09'10"E 200.00

Lot 5

Lot 5

59.0

Proposed House

Proposed Drive

31.0

35' Setback

100'

10' Drainage & Utility Easement

0.95'

S87°50'59"E 130.00

Charles Farm Drive

50' Public R/W

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1"=40'

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)

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

Sheet _1_ *of* _2_
PROPERTY ID #: 4770265104
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Warren Smith APPLICATION DATE
ADDRESS: DATE EVALUATED:
PROPOSED FACILITY: 4 bdrm PROPOSED DESIGN FLOW (.1949): 480 GPD PROPERTY SIZE: 0.60 AC
LOCATION OF SITE: 115 Charles Farm Dr., Hidden Creek Lot 7 PROPERTY RECORDED: 1/27/2009
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	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
1	LS 10%	0-20	R C SBK	FR SS SP	N/A	48"	Few SAP	N/A	PS 0.3
		20-36	\R CL WSBK	FR SS SP					
		36-48	R SCL WSBK	FR SS SP					
2	LS 10%	0-20	R C SBK	FR SS SP	N/A	46"	PS	N/A	PS 0.3
		20-38	R CL WSBK	FR SS SP					
		38-46	R SCL WSBK	FR SS SP					
		46-48	Ver L SAP M	VFR SS SP					
3	LS 10%	0-8	Br SCL WSBK	FR SS SP	N/A	48"	N/A	N/A	PS 0.3
		8-20	R C SBK	FR SS SP					
		20-48	R CL WSBK	FR SS SP					
4	LS 10%	0-12	Br SCL WSBK	FR SS SP	N/A	48"	Few SAP	N/A	PS 0.3
		12-24	R C SBK	FR SS SP					
		24-48	R CL WSBK	FR SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1200 FT2	1035 FT2
System Type(s)	25% ReductoIn	PPBPS
Site LTAR	0.3	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: M A & Associates
OTHER(S) PRESENT:
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COMMENTS: Agree w/ LTAR not Saprolite Depths

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4770265104
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 4%	0-17	R C SBK	FR SS SP	N/A	45"	F-C SAP PS	N/A	PS 0.3
		17-30	R CL WSBK	FR SS SP					
		30-45	R L WSBK	FR SS SP					
		45-48	SL SAP M	VFR SS SP					
					APPROVED JAN 0 1 2015 Agree w/ LTAR not Saprolite Depth				
B1	LSS 8%	0-6	B SCL Gr	Fr SS SP SExP					
		6-33	R CL wFSBk	Fr SS SP SExP	con sap con cl in l.	33"	PS	-	PS .35
		33-48	Var FSL Sap M	Fr SS SP SExP					
B2	FS 3%	0-10	B SCL wFSBk	Fr SS SP SExP					
		10-18	R C wFSBk	Fr SS SP SExP		30"	PS	-	PS .3-.35
		18-30	R CL wFSBk	Fr SS SP SExP	con/many sap con cl in l.				
		30-48	Var FSL Sap M	Fr SS SP SExP					
B 3	LSS 6%	0-8	BR CL wFSBk	Fr SS SP SExP					
		8-32	R C wFAbk/FSBk	Fr SS SP SExP		42"	PS	-	PS .3
		32-42	R CL wFSBk	Fr SS SP SExP	con sap				
		42-48	Var FSL Sap M	Fr SS SP SExP	con cl in l.				

COMMENTS: _____

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