

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
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Reference: Data Sheet for Lot 63, Cove Creek Loop, Iredell County, NC
House Footprint: 68' x 45'
Building Setbacks: 35' front/rear/15' side
Water Source: Community Water
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.25 GPD/FT2
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Gravity-drop boxes/end caps
Septic Tank Size: 1000 gallons
Proposed Trench Bottom: 36"

Line	Actual Length	Design Length	Elevation
Orange 1	40'		
White 2	71'		G
Pink 3	102'		R
Black 4	**87'**	**85'**	A
White 5	**72'**	**70'**	V
Pink 6	**137'**	**135'**	I
Black 7	**111'**	**110'**	T
White 8	**110'**	**80'**	Y
White 9	47'		
Pink 10	69'		

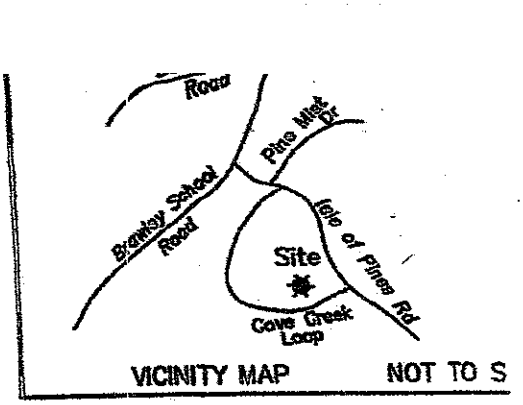
Initial System: 480' of 25% Reduction; B4-W8
Repair System: 329' of PPBPS; O1-P3, W9-P10

Comments:
The purpose of this evaluation was to move the system further back on the lot and to change the system type. MA&A evaluated 6 backhoe pits in the septic area. These pits confirmed the previously permitted LTAR of 0.25GPD/FT2. The proposed home site is indicated in Orange pin flags.

in Curb Inlet
Building Setback Line
orm Drain Easement

CONVEYANCE

CURVE	RADIUS	ARC	CHORD BEARING	CHORD
C1	255.00'	115.93'	S88°13'57"W	114.94'
C2	25.00'	27.03'	N70°17'04"E	25.73'



I, JIMMY N. FAIRES, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPE
AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; DEED DESCRIPTION AN
BOOK SEE PAGE NOTE #2; THAT THE BOUNDARIES NOT SURVEYED A
INDICATED AS DRAWN FROM INFORMATION FOUND IN BOOK N/A, PAGE
THE RATIO OF PRECISION AS CALCULATED IS 1:10,000+; THAT THIS PLAT
IN ACCORDANCE WITH THE STANDARDS OF PRACTICE FOR LAND SURVEYING
CAROLINA (21 NCAC 56.1600). WITNESS MY ORIGINAL SIGNATURE, REGISTRA
AND SEAL THIS ____ DAY OF _____, 2014.

PRELIMINARY

JIMMY N. FAIRES, PLS
LICENSE NUMBER: L-4311

LOT 69-42A
PLAT BOOK 53
PAGE 145

LOT 68
PLAT BOOK 53
PAGE 145

LOT 62
PLAT BOOK 51
PAGE 15

LOT 64
PLAT BOOK 51
PAGE 15

LOT 52
PLAT BOOK 51

Approved 3/27/15 MD

North

Scale 1"=50'

N43°54'09"E 129.17'

S 31°29'41" E 332.19'

N31°29'41"W 237.38'

35' Rear Setback

15' Side Setback

45' Side Setback

LOT 63
.902 Acres

Proposed House
Elevation 87'

Existing Pit & Hollow

Concrete Walk

Proposed Driveway

122.0

67.3'

20.3'

21.7'

22.6'

45.0'

28.3'

C1

C2

R/W

PSDE
Plat Book 51
Page 77

SANDY COVE COURT
40' Public R/W
(Plat Book 51 Page 15)

COVE CREEK LOOP
50' Public R/W
(Plat Book 51 Page 15)

HIC SCALE

0 25 50

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

Sheet __1__ *of* __1__
PROPERTY ID #: Lot 63; Chesapeake Point
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: CP II LLC
APPLICATION DATE
ADDRESS: 3125 Presidential Parkway; Suite 200; Atlanta, GA 30340
DATE EVALUATED: 12/17/2014
PROPOSED FACILITY: 4-Bedroom Residence
PROPOSED DESIGN FLOW (.1949): 480 GPD
PROPERTY SIZE: 0.802 Acres
LOCATION OF SITE: Lot 63; Chesapeake Point Subdivision; Cove Creek Loop
PROPERTY RECORDED:
WATER SUPPLY: Ξ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ΞAuger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: Ξ Sewage ☐ Industrial Process ☐ Mixed

Approved MG 3/23/15

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	L 5-6% ✓	0"-3"	Br SCL WSBK	SS SP FR SEXP		48"	Few saporlite inclusions 27"-48".	None	.3
		3"-27"	R C SBK	SS SP FR SEXP					
		27"-48"	R CL WSBK	SS SP FR SEXP					
AB 2	L 5-6% ✓	0"-3"	Br SCL WSBK	SS SP FR SEXP		44"	Few saporlite inclusions 24"-44" P.S.	None	.3
		3"-24"	R C SBK	SS SP FR SEXP					
		24"-44"	R CL WSBK	SS SP FR SEXP					
		44"-48"	L Saporlite	NS NP VFR NEXP					
AB 3	L 5-6% ✓	0"-13"	Br CL WSBK	SS SP FR SEXP		42"	Common saporlite inclusions 30"-42" PS	None	.3
		13"-30"	R C SBK	SS SP FR SEXP					
		30"-42"	R CL WSBK	SS SP FR SEXP					
		42"-60"	L Saporlite	NS NP VFR NEXP					
AH 1	dup by ID #3/23/15 S of 0 L S	0-14"	Brw SCL WSBK	SS SP FR SEXP					
		14"-44"	R CL SBK	SS SP FR SEXP	SAPROlite	44"			.3
		44"-48"	L Saporlite	NS NP VFR NEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1440 FT2	987 FT2
System Type(s)	25% Reduction	PPBPS
Site LTAR	.25	.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY: Michael Athanas and Associates
OTHER(S) PRESENT:

COMMENTS: