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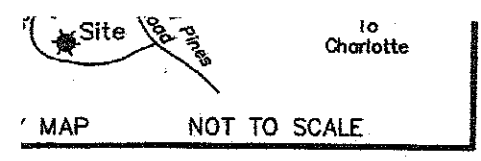
Reference: Data Sheet for Chesapeake Point Lot 78; Cove Creek Road; Iredell County, NC
House Footprint: 68' x 55'
Building Setbacks: 35' front/35' rear/15' side
Water Source: Community Water
Number of Bedrooms: 4/480 GPD
Predetermined LTAR: 0.3GPD/FT2 Initial (ICHD)
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Pressure Manifold
Flow per Tap: 5.48 GPM ½" SCH80
Tap Size and Material: ½" SCH80
System Flow: 27.4 GPM
Dosing Volume: 175 Gallons
Pump Run Time: 6.38 minutes
Elevation Head: 9.3'
Friction Head: 1.94'
Pressure Head: 2'
Total Dynamic Head: 13.24'
Supply Line Length: 105'
Septic/Pump Tank Size: 1000/1000
Proposed Trench Bottom: 36"

Line	Design Length	Actual Length	Elevation
White 1		18'	2.6'
Pink 2		60'	3.2'
Orange 3	**75'** within 10%	77'	3.6'
Blue 4	**82'**	**82'**	**4.2'**
White 5	**82'**	**82'**	**4.8'**
Yellow 6	**82'**	**82'**	**5.5'**
Orange 7	**80'**	**85'**	**6.5'**
Pink 8		100'	6.8'
Red 9		35'	7.2'
Red 10		60'	13.3'
Blue 11		40'	14.8'

Initial System: 400' **Repair System:** 313' **Benchmark:** 1.6' left back corner iron.
PM: 4.2' **Pump Tank:** 8.5' **House Corner:** 8.8'

Comments:

The purpose of this evaluation is to change the permit to a 4-bedroom, 25% reduction system. The area has been previously permitted by the Iredell County Health Department. The septic area has been kept in the same area. A small additional repair area had to be located on the right side of the house along Charthouse lane. The system should be kept 15 feet from the road cut and 25 feet from the foundation drain along the house.



' MAP NOT TO SCALE

HIC SCALE

0 20 40

IN FEET)
h = 40 ft.

Scale 1"=40'

North

LOT 77
CHESAPEAKE POINTE
PHASE IV
PB: 53, PG: 145

LOT 79
CHESAPEAKE POINTE
PHASE II
PB: 49, PGS: 41-43

Approved
MO
5/27/15

BM 46'

S 42°45'34" E 93.02'

N 69°21'35" E 224.47'

LOT 78
0.762 Acres

W 2.6' 18'
P2 3.2' 60'
O3 3.6' 77'
B4 4.2' 82'
W5 4.8'
Y6 5.5' 82'
O7 6.5' 80'
P8 100' 68'

15' MBSL

R/W

Proposed Concrete Drive & Walk

Prop. House (Bltm. N")

10' Septic Line Easement PB: 51, PG: 15

Road Cut

R/W

ST

PT

PIT 8.5'

House

46.6'

PSDE PB: 51 PG: 15

35' MBSL

25' MBSL

220.96'

Gas Line

AB #1 1448

P.H.

C1

C2

13.3'

60'

40'

S 46°01'33" W

CHARTHOUSE LANE
40' Public R/W-PB: 51, PG: 15

R/W

COVE CREEK LOOP
50' Public R/W
PB: 51, PG: 15

R/W

10' x 70'
Sight Triangle
PB: 51, PG: 15

LOT 67

T 41

LOT 42

LOT 43

LEGEND

R/W = Right-of-way
—~— = Not to Scale
▬ = Storm Drain Curb
(T) = Total
MBSL = Minimum Building S
PSDE = Public Storm Drain
D & UE = Drainage & Utility

CURVE TABLE

CURVE	LENGTH	RADIUS	CHORD BEARING	CHORD	
C1	41.89'	25.00'	N85°58'22"W	37.16'	9
C2	160.56'	485.00'	N28°51'22"W	159.83'	1

SHOWN ARE IN US SURVEY FEET AND DECIMALS THEREOF AND ARE
) DISTANCES UNLESS OTHERWISE INDICATED. AREA BY COORDINATE

PLOT PLAN

LOT 78 – CHESAPEAKE POIN

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

Sheet __1__ *of* __1__
PROPERTY ID #: Lot 78; Chesapeake Pointe
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: CP II LLC
ADDRESS: 3125 Presidential Parkway; Suite 200; Atlanta, GA 30340
PROPOSED FACILITY: 4-Bedroom Residence PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: Lot 78; Chesapeake Pointe Subdivision; Cove Creek Loop
WATER SUPPLY: ☐Private ☒ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☒ Pit ☐ Cut

APPLICATION DATE
DATE EVALUATED: 03/17/2015
PROPERTY SIZE: .76 Acres
PROPERTY RECORDED: 4/30/2007
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

Approved MP 5/27/15

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 15-16%	0"-18"	R C SBK	SS SP FR SEXP		28"	Few to common saporlite inclusions 17"-28". PS	None	.3
		17"-28"	R CL WSBK	SS SP FR SEXP					
		41"-48"	V SL Sap Massive	NS NP VFR NEXP					
Pit 1	L 15-16% ✓ Verified	0"-23"	R C SBK	SS SP FR SEXP		23"	Few to common saporlite inclusions 0"-23". PS	None	.3-.5
		23"-65"	V L Sap Massive	NS NP VFR NEXP					
Pit 2	L 15-16% ✓ Verified	0"-6"	R C SBK	SS SP FR SEXP		6"	Few Clay Inclusions till 17"	None	.4-.6
		6"-60"	V SL Sap Massive	NS NP VFR NEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1200 FT2	873 FT2
System Type(s)	25% Reduction	PPBPS
Site LTAR	.3	.3

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

COMMENTS: The surface of each of the pits was compacted. No compaction after 6".

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

Sheet ____ of ____
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Peachtree _____ APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: 4/27/06
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: Lot 78 _____ PROPERTY RECORDED: _____
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) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L 4%	0-5	mgr sl	FR SS/SP	Dk br				PS 0.3
		5-12	wsbk scl	FR SS/SP	Br				
		12-32	msbk c	FR SS/SP	R F; Sap				
		32-50	wsbk cl	FR SS/SP	R F; C Sap				
		50-55	MA l	FR SS/SP	mott.				
2	L 4%	0-6	mgr sl	FR SS/SP	Dk br				BS 0.3
		6-27	msbk c	FR SS/SP	R				
		27-52	wsbk cl	FR SS/SP	R F; C Sap		Opposite wall has WR (diggable)		
3	5% L	0-6	gr fr sL	fr SS/SP					~3
		6-13	wk sbk cl cl	fr SS/SP					
		13-34	wk sbk mdc c	fr SS/SP					
		34-50	wk sbk md cl	fi SS/SP	few faint mdc, few faint red sap				
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: Martin Mabe
OTHER(S) PRESENT: _____

COMMENTS: _____