APPROVED OCT 0 9 2015



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

Reference: Data Sheet for Chesapeake Point Lot 30; Cove Creek Loop; Iredell County, NC
House Footprint: 65' x 55'
Building Setbacks: 35' front/50'rear/15' side
Water Source: Community Water
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.325 GPD/FT2
Proposed Repair 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: 36"

Line	Design Length	Actual Length	Elevation
Pink 1	**75'**	**78'**	**G**
White 2	**75'**	**76'**	**R**
Orange 3	**75'**	**79'**	**A**
Pink 4	**75'**	**76'**	**V**
White 5	**70'**	**75'**	**I**
Orange 6		52'	**T**
Pink 7		78'	**Y**
White 8		72'	
Orange 9		74'	

Initial System: 370' 25% Reduction **Repair System:** 276' PPBPS

Comments:
The purpose of this evaluation was to re-permit this lot for a 4-bedroom system. The previously permitted system for this lot was in the front. The house is currently under construction. All parts of the system should keep 15' from the road cut.

VEYANCES AND/OR SALES

3) THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE EXAMINATION BY AN ATTORNEY. THE PROPERTY MAY BE SUBJECT TO RECORDED OR UNRECORDED RIGHTS-OF-WAY, EASEMENTS, RESTRICTIVE COVENANTS OR CONDITIONS NOT OBSERVED OR SHOWN HEREON.

4) THIS LOT LIES WITHIN A SUBDIVISION THAT WAS PREVIOUSLY TIED TO THE NORTH CAROLINA GRID SYSTEM.

5) BASIS OF BEARINGS: PLAT BOOK 49 PAGES 41-43 – DATED: MAY 23, 2006

6) #4 REBAR AT ALL CORNERS, UNLESS OTHERWISE NOTED. ALL CORNERS "FOUND" or "SET" ARE FLUSH WITH THE GROUND, UNLESS OTHERWISE NOTED.

7) THE LOCATION OF UTILITIES AS SHOWN HEREON, WHETHER PUBLIC OR PRIVATE, ARE BASED ON THE LOCATION OF VISIBLE ABOVE GROUND APPURTENANCES ONLY. OTHER UTILITIES WHICH WERE NOT OBSERVED AND NOT SHOWN HERON MAY EXIST. IT IS THE OWNERS/TENANTS RESPONSIBILITY TO VERIFY THE LOCATION PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. GEOMATIC CONCEPTS, PLLC CANNOT ASSUME RESPONSIBILITY FOR MISIDENTIFICATION OR OMISSION OF UNDERGROUND UTILITIES.

8) THIS SURVEY IS OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET.

9) ALL LOTS ARE SUBJECT TO A 10' DRAINAGE AND UTILITY EASEMENT ON ALL SIDES.

North

Scale 1"=50'

Replaced former site Sketch 1/26/16 per Mike Haynes Email

LOT 29
PLAT BOOK 49
PAGES 41-43

S48°13'32"E 553.47'

20' Drainage Easement (Stream) PB: 49 PG: 42

15' Side Setback

LOT 30
1.24 Acres

Proposed House (Vancouver B)

Proposed Driveway

Proposed Concrete Walk

35' Front Setback

15' Side Setback

N48°13'32"W 526.3'

LOT 31
PLAT BOOK 51
PAGE 77

Concrete Sidewalk

CURVE	RADIUS	ARC LENGTH	CHORD LEN
C1	675.00'	100.57'	100.48

LEGEND

PLAN
APEAKE POINTE
49, PAGE: 41
REEK LOOP
COUNTY, NORTH CAROLINA

SIDENTIAL, LLC.
FERRY ROAD
GA 30024

NCEPTS, PLLC
#: P-1091
ESVILLE, NC 28625-8896

I, JIMMY N. FAIRES, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; DEED DESCRIPTION AND/OR MAP BOOK SEE, PAGE NOTE #2; THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN BOOK N/A, PAGE N/A; THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10,000+; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA (21 NCAC 56 1600); WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER

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

PROPERTY ID #: Lot 30; Chesapeake Pointe
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

APPROVED OCT 09 2015

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 30; Chesapeake Pointe Subdivision; Cove Creek Loop
WATER SUPPLY: ☐Private ☒ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☒ Pit ☐ Cut

APPLICATION DATE
DATE EVALUATED: 7/2015
PROPERTY SIZE: 1.24 Acres
PROPERTY RECORDED: 4/30/2007
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
AB 1	L 6-8%	0"-9"	Br CL WSBK	SS SP FR SEXP		48"	Few to common saporlite inclusions @ 42"-48"	None	.325
		9"-42"	R C SBK	SS SP FR SEXP					
		42"-48"	R CL WSBK	SS SP FR SEXP					
AB 2	L 6-8%	0"-11"	R CL WSBK	SS SP FR SEXP		32"	PS	None	.3
		11"-16"	Br SCL WSBK	SS SP FR SEXP					
		16"-32"	R C SBK	SS SP FR SEXP					
		32"-48"	R SL Sap Massive	NS NP VFR NEXP					
AB 3	L 6-8%	0"-10"	Br CL WSBK	SS SP FR SEXP	Chr. 2 @ 24"	24"		None	Unsuitable
		10"-24"	R C SBK	SS SP FR SEXP					
AB 4	L 6-8%	0"-15"	YBr CL WSBK	SS SP FR SEXP		15"	PS	None	.3
		15"-36"	V SL Saporlite M	NS NP FI-FR NEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1110 FT2	1059 FT2
System Type(s)	25% Reduction	PPBPS
Site LTAR	.325	.3

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

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

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PROPERTY ID #: Lot 30; Chesapeake Pointe
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COUNTY: Iredell

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AB #5	L 6-8%	0"-12"	Br CL WSBK	SS SP FR SEXP		48"		None	.3
		12"-24"	R SCL WSBK	SS SP FR SEXP					
		24"-48"	R C SBK	SS SP FR SEXP					
AB #6	L 6-8%	0"-22"	R C SBK	SS SP FR SEXP		36"	Few to common saporlite inclusions 22"-36" PS	None	.325
		22"-36"	R CL WSBK	SS SP FR SEXP					
		36"-48"	V SL Saporlite M	NS NP VFR NEXP					
Pit #1	L 6-8%	0"-10"	R C SBK	SS SP FR SEXP		32"	Few to common saporlite inclusions 10"-32" PS	None	.325
		10"-32"	R CL WSBK	SS SP FR SEXP					
		32"-64"	V SL Saporlite M	NS NP VFR NEXP					
Pit #2	L 6-8%	0"-22"	R C SBK	SS SP FR SEXP		22"		None	.325
		22"-70"	V L Saporlite M	NS NP VFR NEXP					
Pit #3	L 6-8%	0"-16"	R CL WSBK	SS SP FR SEXP		64"	Few to common saporlite inclusions 32"-64"	None	.3
		16"-32"	R C WSBK	SS SP FR SEXP					
		32"-64"	R CL WSBK	SS SP FR SEXP					

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

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Pit # 4	L 6-8%	0"-12"	YBr SL GR	NS NP VFR NEXP		25"	Few to Common Saporlite Inclusions 12"-25" PS	None	U
		12"-25"	RY CL WSBK	SS SP FR SEXP					
		25"-60"	V L Saporlite M	NS NP Fi-FR NEXP					
PIT 5	LS 7%	0-10	Br CL WSBK	FR SS SP	N/A	30"	Few SAP PS	N/A	PS 0.3
		10-30	R C SBK	FR SS SP					
		30-60	SL SAP M	FR SS SP					

COMMENTS: