Paid $75.00 CH
10-15-13



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
FORT MILL, S.C. 29715
803-802-4403 (office)
803-802-4402 (fax)

Reference: Data Sheet for 108 Waterhouse Ct., The Point 1A, Lot 28
House Footprint: See attached
Building Setbacks: 40' front/20' side, 50' rear
Water Source: Community 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/Pump Tank Size: 1500 gallons
Proposed Trench Bottom: 36"

Line	Design Length	Actual Length
Blue 1		50'
Red 2		80'
Orange 3		25'
White 4		53'
Orange 5	**90'**	**92'**
Blue 6	**110'**	**115'**
Pink 7	**110'**	**110'**
Red 8		62'
White 9	**90'**	**90'**
Orange 10		57'

Initial System: 400' **Repair System:** 327'

Comments:
The rear and side gullies must be filled.

a

Plans Submittal ONLY!

Date 11-12-13

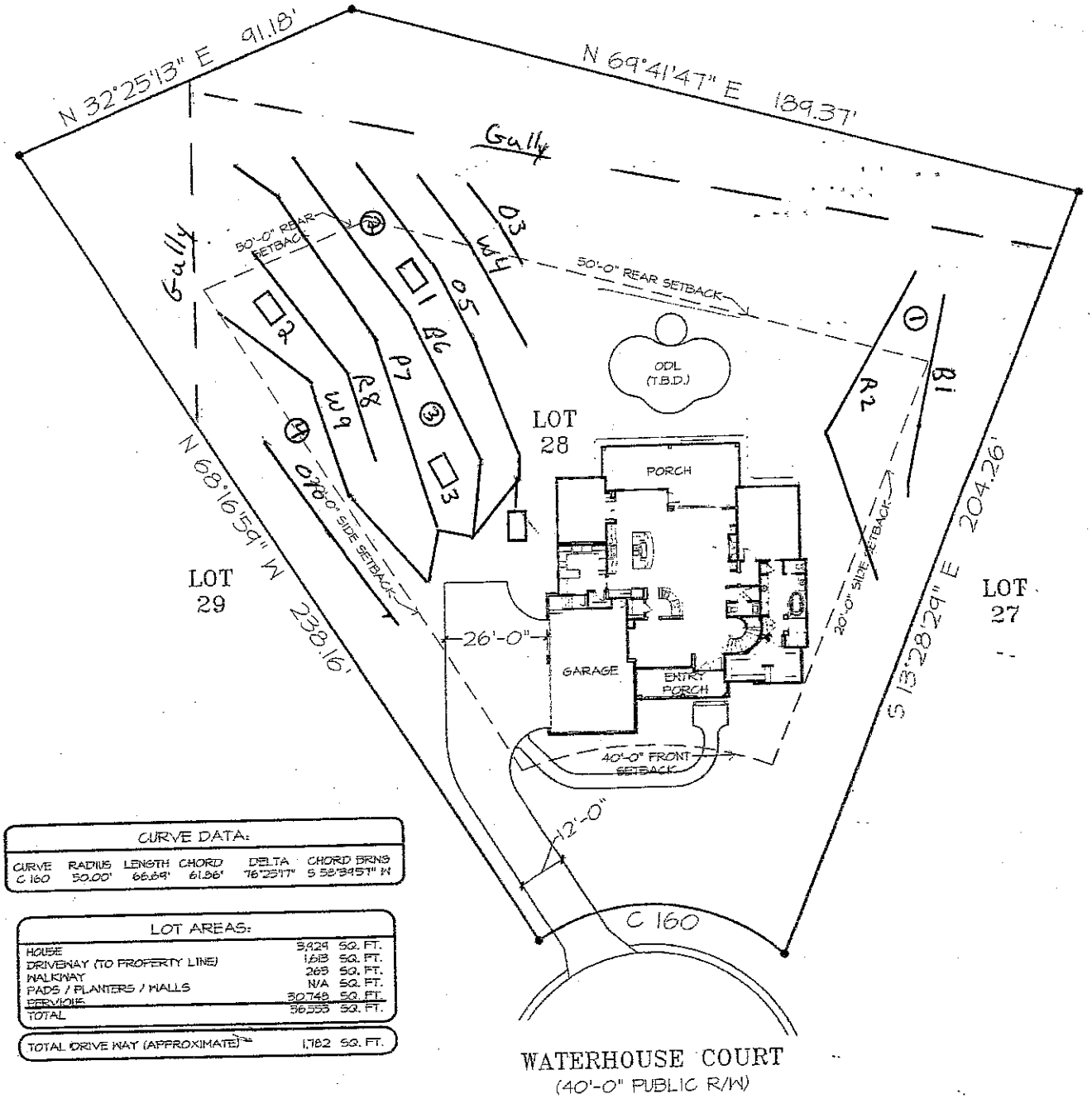
Date

10-24-13

The Asheville

Plan #: 1219F-L-01-3S

Elevation "D"



CURVE DATA:					
CURVE	RADIUS	LENGTH	CHORD	DELTA	CHORD BRNG
C 160	50.00'	66.69'	61.86'	76°25'17"	S 58°38'57" W

LOT AREAS:	
HOUSE	3,929 SQ. FT.
DRIVEWAY (TO PROPERTY LINE)	1,618 SQ. FT.
WALKWAY	265 SQ. FT.
PADS / PLANTERS / WALLS	N/A SQ. FT.
SERVICE	30,748 SQ. FT.
TOTAL	56,555 SQ. FT.
TOTAL DRIVE WAY (APPROXIMATE)	1,782 SQ. FT.

SCALE: 1" = 40'

A Custom Residence for:

Mr. and Mrs. Laury

Note: Plan information is conceptual only. Certain items may be changed at production stage. Clouded areas modified to accommodate change requests.

Arthur Rutenberg Homes

#98 Blueficld Builders, LLC
Laury-C
MDG
September 12, 2013

Lot28
The Point at Lake Norman

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

RA 4-30-13

OWNER: _____ APPLICATION DATE_____
ADDRESS: _____ DATE EVALUATED: _____
PROPOSED FACILITY: 5 bedroom_____ PROPOSED DESIGN FLOW (.1949): _600 GPD___ PROPERTY SIZE: _____
LOCATION OF SITE: _108 Waterhouse Ct. Point 1A Lot 28_____ 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)		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	
AB 1	LS 4%	0-35	R C SBK	FR SS SP		48"			PS 0.3
		35-48	R CL WSBK	FR SS SP					
AB 2	LS 2%	0-22	R C SBK	FR SS SP		42"			PS 0.3
		22-42	R CL WSBK	FR SS SP					
		42-48	L SAP M	FR SS SP					
AB 3	LS 0-2%	0-18	R C SBK	FR SS SP		40"			PS 0.3
		18-40	R CL WSBK	FR SS SP					
		40-48	L SAP M	FR SS SP					
AB 4	LS 2%	0-24	R C SBK	FR SS SP		42"			PS 0.3
		24-42	R CL WSBK	FR SS SP					
		42-48	L SAP M	FR SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	668 FT2	668 FT2
System Type(s)	PPBPS	PPBPS
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____

EVALUATED BY: _M A & Associates_____
OTHER(S) PRESENT: _____

COMMENTS: _____

SOIL/SITE EVALUATION

(Continuation Sheet)

RA 9-30-13

Sheet ___ of ___

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: _____
DATE OF EVALUATION: _____
COUNTY: _____

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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
P 1	LS 2%	0-22	R C SBK	FR SS SP		36"	F-C SAP		PS 0.3
		22-36	R CL WSBK	FR SS SP					
		36-60	L SAP M	FR SS SP			PS		
P 2	LS 2%	0-31	R C SBK	FR SS SP		50"	F-C SAP		PS 0.3
		31-50	R CL WSBK	FR SS SP					
		50-66	L SAP M	FR SS SP			PS		
P 3	LS 0-2%	0-25	R C SBK	FR SS SP		36"	F-C SAP		PS 0.3
		25-36	R CL WSBK	FR SS SP					
		36-66	L SAP M	FR SS SP			PS		

COMMENTS: _____