

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

Reference: 106 Torrence Chapel Rd., The Point, Lot 1101
House Footprint: See attached plan
Building Setbacks: 50' front/rear, 20' side
Water Source: Community well
Number of Bedrooms: 5/600 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: 1500 gallons
Proposed Trench Bottom: 36"

Line	Design Length	Actual Length
Yellow 1		48'
Blue 2		73'
Pink 3	**80'**	**80'**
Orange 4	**100'**	**101'**
Red 5	**160'**	**160'**
Yellow 6	**160'**	**160'**
Blue 7		111'
Pink 8		66'
Orange 9		52'

Initial System: 500' **Repair System:** 350'

Comments:

RECEIVED SEP 9 2014

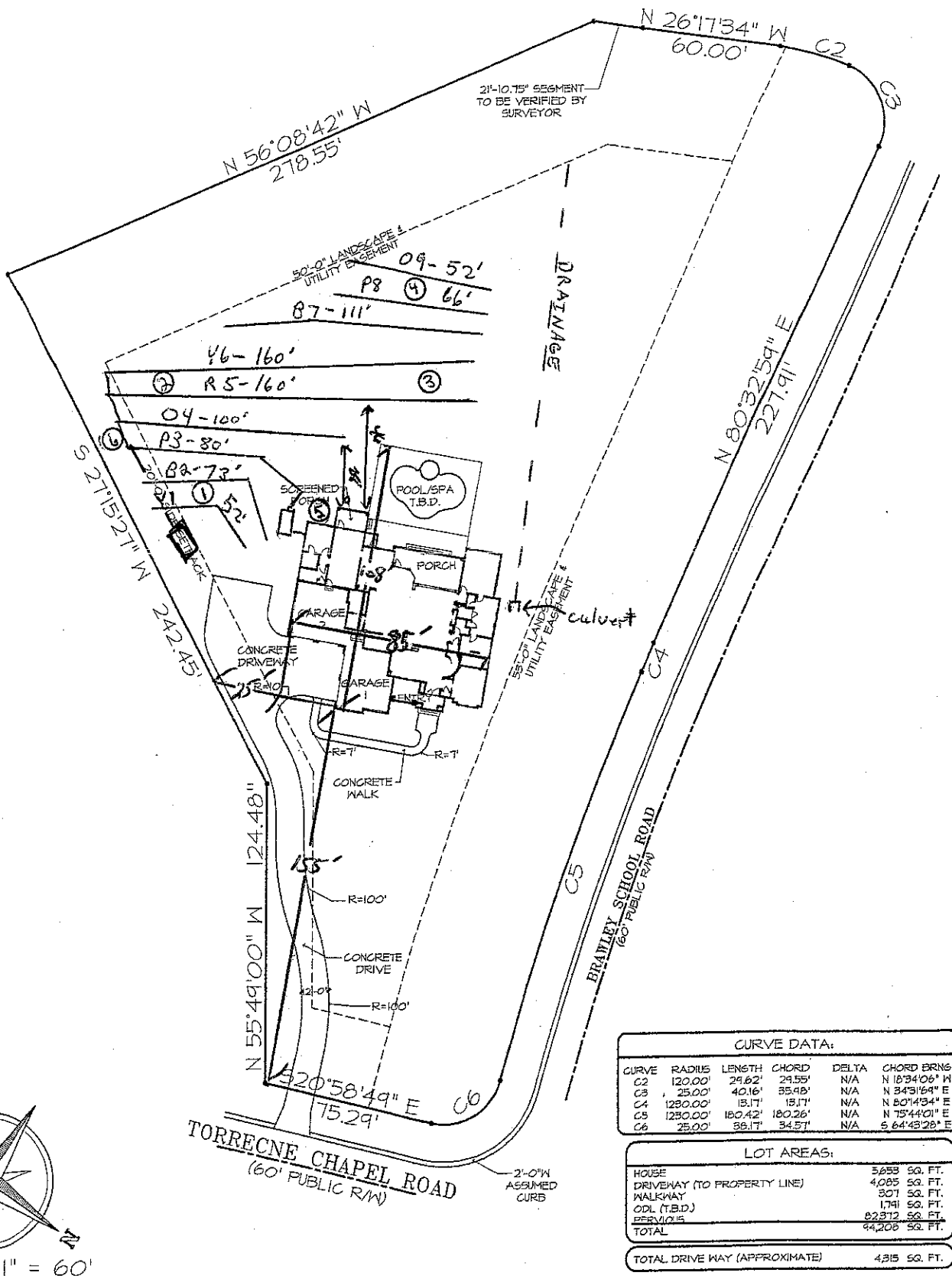


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Additional Comments:
As of 9/9/2014, the house box is wider than what was originally submitted. The culvert next to the house previously serviced the abandoned road. This culvert will be removed and the area graded. The attached site plan shows the available area to expand the house to accommodate a 90' wide house.

Arthur Rutenberg Homes



CURVE DATA:

CURVE	RADIUS	LENGTH	CHORD	DELTA	CHORD BRNG
C2	120.00'	29.62'	29.55'	N/A	N 18°34'06" W
C3	25.00'	40.16'	35.98'	N/A	N 34°31'59" E
C4	1230.00'	13.17'	13.17'	N/A	N 80°14'34" E
C5	1230.00'	180.42'	180.26'	N/A	N 75°44'01" E
C6	25.00'	38.17'	34.57'	N/A	S 64°43'28" E

LOT AREAS:

HOUSE	5,658 SQ. FT.
DRIVEWAY (TO PROPERTY LINE)	4,085 SQ. FT.
WALKWAY	307 SQ. FT.
ODL (T.B.D.)	1,741 SQ. FT.
PERVIOUS	82,372 SQ. FT.
TOTAL	94,208 SQ. FT.

TOTAL DRIVE WAY (APPROXIMATE)	4,315 SQ. FT.

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

Franchise: #98 Bluefield Builders, LLC
File # : Skalsky-C2 1222F-R-02-2S/2F-"B"
Drawn By: MDG
Date: June 4, 2014

A Custom Residence for:

DJ & Liz Skalsky

The Point at Lake Norman, Lot 1101

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #:4624387373
COUNTY: Iredell

OK HS
08/18/14

SOIL/SITE EVALUATION
***for* ON-SITE WASTEWATER SYSTEM**
(Complete all fields in full)

OWNER: Donald Skalsky APPLICATION DATE
ADDRESS: 11555 Ascott Ln. Chagrin, OH 44023 DATE EVALUATED:
PROPOSED FACILITY: 5 bdrm PROPOSED DESIGN FLOW (.1949): 600 GPD PROPERTY SIZE: 2.164 AC
LOCATION OF SITE: 106 Torrence Chapel, The Point 1101 PROPERTY RECORDED: 10/8/2004
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	
1	LS 5%	0-28	R C SBK	FR SS SP	N/A	48"	F-C SAP	N/A	PS 0.3
		28-48	R CL WSBK	FR SS SP					
2	LS 3%	0-8	FILL		Few YB	48"		N/A	PS 0.3>23"
		8-23	R C SBK	FR SS SP					
		23-48	R CL WSBK	FR SS SP	No YB		F-C SAP		
3	LS 3%	0-4	Br CL WSBK	FR SS SP	N/A	48"		N/A	PS 0.3
		4-26	R C SBK	FR SS SP					
		26-48	R CL WSBK	FR SS SP			Com SAP @ 40"		
4	LS 3%	0-8	FILL		N/A	48"		N/A	PS 0.3
		8-32	R C SBK	FR SS SP					
		32-48	R CL WSBK	FR SS SP			F-C SAP		

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1500 FT2	1050 FT2
System Type(s)	25% Reduction	PPBPS
Site LTAR	0.3	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: M A & Associates
OTHER(S) PRESENT:

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 4624387373
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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
5	LS 3%	0-36	R C SBK	FR SS SP	N/A	48"	F-C SAP	N/A	PS 0.3
		36-48	R CL WSBK	FR SS SP					
6	LS 4%	0-30	R C SBK	FR SS SP	N/A	48"	F-C SAP	N/A	PS 0.3
		30-48	R CL WSBK	FR SS SP					

COMMENTS: _____