143 POINT OF VIEW DRIVE

Project #: 01-1808

LAYOUT FOR 4 BEDROOM HOME — April 24, 2013

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM		N/A			100.00		
TANK			N/A	N/A			
HOUSE			N/A	N/A			
INSTR. 1				N/A			
1**	RED		*Existing*	N/A	790'	80	0
2	*ORANGE*		*Existing*	*N/A*	*786.5'*	*80*	*80*
3	*BLUE*		*Existing*	*N/A*	*784.26'*	*80*	*80*
4	*PINK*		*Existing*	*N/A*	*782'*	*80*	*80*
5	*RED*		*Proposed*	*N/A*	*779'*	*91*	*85*
6	BLUE		Repair	N/A	776.6'	115	115
7	DARK PINK		Repair	N/A		119	119
					Total	**565**	**559**

	LINE LENGTH	LTAR GPD/FT^2	SYSTEM TYPE	SOIL LTAR GPD/FT^2	TRENCH SYSTEM	DISTRIBUTION
** System*	*325*	*0.35*	*ACCEPT.*	*0.35*	*25% RED.*	**GRAVITY DISTRIBUTION**
Repair	234	0.35	*ACCEPT.*	0.35	25% RED.	GRAVITY DISTRIBUTION

Notes:

**Existing Red line (#1) to be abandoned to accommodate new deck

**Proposed Red line (#5) to replace line (#1)

** TBM NOT REQUIRED

**All measures in feet

**Nitrification lines are demonstrated on contour via colored pin flags

CALCULATIONS

Location 143 POINT OF VIEW DRIVE

Project Number 01-1808

Lot No:

No. of Bedrooms	4	
Design Flow	480	$^{gal}/_{day}$
LTAR	0.35	$^{gal}/_{ft^2\ day}$
25% RED.? (YES OR NO)	YES	
Supply Line Length	3	ft.
Supply Line Volume	0.522	gal.
Required Feet of Line	325	ft.
Amount of Line from Layout	325	ft.
Gallons per Minute	NA	$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal.
Minimum Standard Tank Size	1000	
Lateral Line Volume	212.225	gal.
Dosing Volume	NA	gal.

Note: Dosing Volume based on70% of lateral line volume

Tank Draw Down	NA	*Generic Draw Down of 21 gal.per in.*
Pump Run Time	NA	minutes
Elevation Head	NA	ft.
Pressure Head	NA	ft.
Friction Factor	NA	ft./100 ft. *(From the interpolater.)*
Friction Head	NA	ft.
Total Dynamic Head (+15%)	NA	ft.

FRICTION FACTOR INTERPOLATER
2" SCH 40 PVC

GPM	*f*
20	0.84
	-0.88
25	1.27
	-1.28
30	1.78
	-1.76
35	2.37
	-2.25
40	3.03
43.07	3.48
45	3.77
48.14	4.28
50	4.58
57.11	5.89
60	6.42

...ance with the Standards of Practice for Land Surveying
...orth Carolina according to North Carolina Administrative
... Title 21, Chapter 56, Section 1600.

...ratio of precision before any adjustments is 1:37,905

...determined by coordinate computations.

...NGS or NCGS Horiz. Control Monument found within 2,000
...of site.

...survey represents an actual field topographic survey that
...s or exceeds the minimum requirements of a class C survey
...cordance with the Standards of Practice for Land Surveying
...rth Carolina.

...ess this my original signature, registration number and
...this ___ day of ___ 2013 A.D.

...RELIMINARY PLAT:
...T FOR RECORDATION,
...VEYANCES, OR SALES

NORTH

NORTH ORIENTATION BA

(10)

NOW OR FORMERLY
MICHAEL T. MADSEN AND SPOUSE
SALLY E. MADSEN
1795-29
PB 17 PG 69

40 0 40 80 160
GRAPHIC SCALE – FEET

VICINITY MAP (NTS)
NC HWY 120

This topographic survey was performed to meet Federal Geographic Data Committee Standards as applicable; that the original data was obtained on September 05, 2001; that the topographic survey was completed on September 05, 2001; that contours shown as broken lines may not meet the stated standard.

This topographic survey was performed to meet Federal Geographic Data Committee Standards as applicable; that the original data was obtained on March 21, 2013; that the topographic survey was completed on March 21, 2013; that contours shown as broken lines may not meet the stated standard.

LAKE NORMAN
DUKE ENERGY COMPANY

BOUNDARY AS PER PB 17 PG 69
N 34°37'08"E 62.34'

N 85°24'36"E 309.66' TOTAL

278.67'

S 20°38'14"W 107.56'
TIE ONLY - NOT TO SCALE

POINT OF VIEW DRIVE
60' RIGHT-OF-WAY
(PAVED)

S 07°46'39"E
70.34'

A=70.48' R=316.00'

(9)
AREA
0.781± ACRES

BOUNDARY AS PER PB 17 PG 69
N 44°37'40"W 91.85'

S 75°41'32" W 303.69' TOTAL

TIE ONLY
N 20°41'58"W 71.39'

BOUNDARY AS PER PB 17 PG 69
N 12°27'10"E 20.00'

LAKE NORMAN
DUKE ENERGY COMPANY

FLOATING DOCK

(8)

NOW OR FORMERLY
SJHJR LLC
1911-1709
PB 17 PAGE 69

TED BENBOW
Land Surveying
SIGNAL HILL DRIVE EXT., STATESVILLE, NC 28625
PHONE (704) 878-8881 FAX (704) 878-8822
www.boundarydevelopment.com

Note:
Although the property described as Lot 9, Deed Book 1239 Page 926 has a Base Flood Elevation of 780 feet msl, Duke Power maintains a flooding easement to the elevation of 770 feet msl. The easement, which is part of the deed, allows Duke Power to flood your property and structure, (if applicable) to this elevation. If you wish to development this property, I recommend that you build with this easement in mind. (481-91)

SUBJECT PROPERTY IS ZONED R-R

CONTOUR INTERVAL IS TWO FEET

REVISED SURVEY FOR:
MARVIN WILLIAM McCOMBS III and wife, PEGGY SLEDD McCOMBS
DAVIDSON TOWNSHIP
IREDELL COUNTY, NC
OWNER OF RECORD: MARVIN WILLIAM McCOMBS III and wife, PEGGY SLEDD McCOMBS
DEED REFERENCE: 1239-926 (RESTRICTIONS 711-756)
PIN: 4628-56-5764
LOT 9, POINT OF VIEW SUBDIVISION
PLAT BOOK 17 PAGE 69
JOB NUMBER: 010901_rev3.DWG
DATE: SEPTEMBER 5, 2001
REVISED DATE: MARCH 21, 2013
...AND 50' BUFFER AND EXTEND 780' LINE