

SECTION 2 STRUCTURE CHART

- 22 DI-3B, NOSE B TOP=559.38
L=12', H=6.38'
- 23 148.00 LF-18" HDPE @ 10.52%, ES-1
INV IN=563.47, INV OUT=548.00
- 24 DI-3B, NOSE B TOP=569.07
L=8', H=5.6'
- 25 40.0 LF-18" HDPE @ 1.00%
INV IN=563.97, INV OUT=563.57
- 26 DI-3B, NOSE B TOP=569.07
L=16', H=5.0'
- 27 157.11 LF-15" HDPE @ 7.85%
INV IN=576.40, INV OUT=564.07
- 28 DI-3B, NOSE B TOP=583.00
L=14', H=5.0'
- 29 75.00 LF-15" HDPE @ 8.66%
INV IN=583.00, INV OUT=576.50
- 30 DI-3B, NOSE B TOP=589.00
L=16', H=5.0'
- 31 41.76 LF-10" HDPE @ 3.59%, ES-1
INV IN=545.5, INV OUT=544.00
ES-1 AND EW-1
ORIFICE EL=545.5
ORIFICE DIA=0.40'
- 56 45.00 LF-36" RCP @ 11.10%, ES-1
INV IN=594.00, INV OUT=589.00
- 56A STORM MH-1
TOP=598.00
- 56B 210.00 LF-36" RCP @ 7.30%, ES-1
INV IN=588.90, INV OUT=573.50

SECTION 3 STRUCTURE CHART

- 32 28.00 LF-24" HDPE @ 6.82%, ES-1
INV IN=610.91, INV OUT=609.00
- 33 DI-3B, NOSE B TOP=617.50
L=10', H=5.91'
- 34 40.0 LF-15" HDPE @ 1.00%
INV IN=611.41, INV OUT=611.01
- 35 DI-3B, NOSE B TOP=617.50
L=6', H=5.41'
- 36 123.56 LF-24" HDPE @ 12.13%
INV IN=626.00, INV OUT=611.01
- 37 DI-3B, NOSE B TOP=631.05
L=8', H=5.0'
- 38 279.09 LF-18" HDPE @ 10.93%
INV IN=656.60, INV OUT=626.10
- 39 DI-3B, NOSE B TOP=662.10
L=12', H=5.5'
- 40 32.0 LF-15" HDPE @ 1.25%
INV IN=657.10, INV OUT=656.70
- 41 DI-3B, NOSE B TOP=662.10
L=10', H=5.0'
- 42 100.88 LF-15" HDPE @ 11.65%
INV IN=668.95, INV OUT=657.20
- 43 DI-3B, NOSE B TOP=673.95
L=12', H=5.0'

CURVE #	LENGTH	RADIUS	TANGENT	CHORD BEARING	CHORD	DELTA
C4	179.16'	500.00'	90.55'	N25°33'12"W	178.21'	20°31'51"
C5	153.52'	250.00'	79.27'	S18°13'36"E	151.12'	35°11'02"
C6	554.45'	1003.1'	277.30'	N02°13'06"W	554.38'	53°10'01"
C7	425.61'	145.72'	1313.82'	S01°11'26"E	289.67'	167°20'30"

LINE	LENGTH	BEARING	SECTION
9-10	210.78'	N15°40'13"W	2
10-11	115.00'	N24°10'20"W	2
11-12	151.04'	N26°46'42"W	2
12-13	156.35'	N02°29'22"W	3
13-14	154.83'	N00°58'02"W	3
14-15	136.40'	N03°08'18"W	3
15-16	205.59'	N03°08'18"W	3
16-17	119.24'	N87°45'49"E	3
17-18	126.02'	N58°24'24"W	3
18-19	128.53'	N09°09'14"W	3
19-20	129.43'	N40°48'08"E	3
20-21	32.83'	N12°02'33"E	3

12" Line
Last valve in Sec. 2
to 1st valve in 3 = 197.75'
Last sec. 2 valve to 1st valve
= 208.5'
Last sec. 2 valve to 2nd valve
= 537.5'
To bends: (114°45') = 596.0'
to casing = 603'
to 2nd valve in sec. 3 = 674.0'
to blowoff = 718.75'
(683' total)

PLAN-CONNORS RUN

SCALE: 1"=50'

6" RIP - American
Class 52
6" Valves - Mueller

STANDARD VDOT
DRIVEWAY ENTRANCE
WITH 12.0' PAVED ACCESS
ACCESS TO THE POND

FH = Mueller 5 1/4"

15 plugged
77.6 ft. Main
Main Cover

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6122.06 Passed

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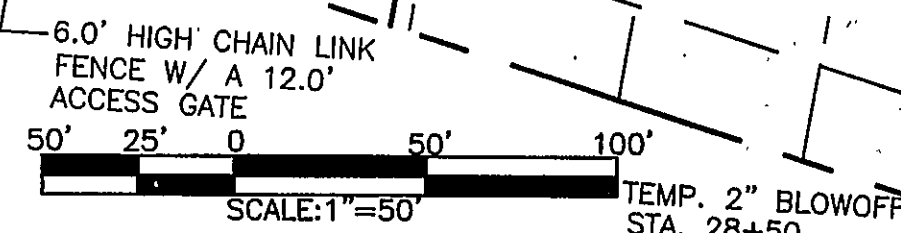
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Distance from 114° bend
on 16" line to
butterfly valve = 218.5'
Distance from MH 13
to butterfly valve on 16" = 38.75'

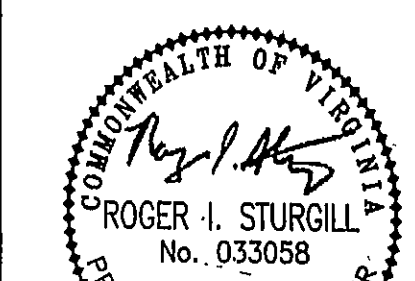


FOR GRADING & EROSION
CONTROL ONLY

HANGING ROCK TERRACE
SECTION 1, 2 & 3
PLAN / PROFILE CONNORS RUN
CATAWBA MAGISTERIAL DISTRICT
ROANOKE COUNTY, VIRGINIA

DRAWN BY: DRB
DESIGNED BY: DRB
CHECKED BY: RIS
DATE: NOV. 1, 2002
REVISIONS:
04-02-03
11-04-03
03-30-04
05-12-04
07-26-05

SCALE: 50'
SHEET NO. 4 OF 11
JOB NO. R0200117.00



10/16/06: For Greg
(Pave road going up to
tank.)
Add drive
approach in curb
to drive in to tank

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