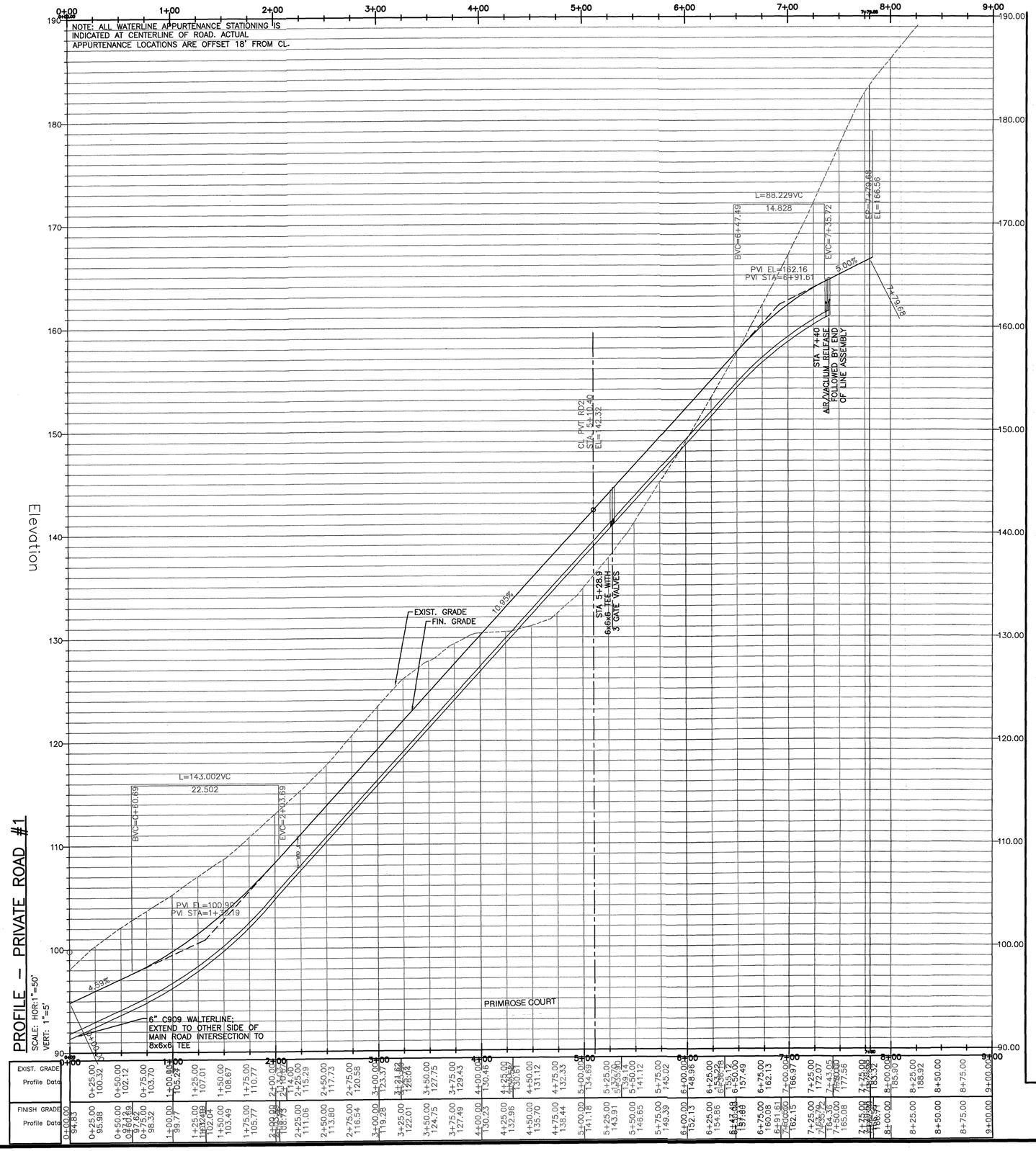

STORM SEWER TABLES:

Structure Table	
Structure Name	**Structure Details**
1 – MH	RIM = 67.494 Pipe – (1–2) INV IN = 64.000 Pipe – Outfall INV OUT = 63.500
2 – MH	RIM = 95.143 Pipe – (2–3) INV IN = 87.000 Pipe – (2–11) INV IN = 86.600 Pipe – (1–2) INV OUT = 86.500
3 – DI–3B L=10'	RIM = 96.549 Pipe – (3–4) INV IN = 90.700 Pipe – 3–10 INV IN = 90.600 Pipe – (2–3) INV OUT = 90.500
4 – DI–3B L=10'	RIM = 113.678 Pipe – (4–5) INV IN = 108.200 Pipe – (4–9) INV IN = 109.250 Pipe – (3–4) INV OUT = 108.200
5 – DI–3B L=8'	RIM = 146.577 Pipe – (5–6) INV IN = 142.600 Pipe – (5–8) INV IN = 142.500 Pipe – (4–5) INV OUT = 142.500
6 – DI–3B L=10'	RIM = 163.231 Pipe – (6–7) INV IN = 159.800 Pipe – (5–6) INV OUT = 159.700
7 – DI–3B L=8'	RIM = 164.003 Pipe – (6–7) INV OUT = 160.600
8 – DI–3B L=8'	RIM = 146.584 Pipe – (5–8) INV OUT = 142.900
9 – DI–3B L=12'	RIM = 113.684 Pipe – (4–9) INV OUT = 110.000
10 – DI–3B L=12'	RIM = 96.560 Pipe – 3–10 INV OUT = 91.500
11 – DI–3B L=8'	RIM = 92.229 Pipe – (11–12) INV IN = 87.900 Pipe – (2–11) INV OUT = 87.900
12 – DI–3B L=8'	RIM = 92.075 Pipe – (12–13) INV IN = 88.500 Pipe – (11–12) INV OUT = 88.400
13 – DI–7	RIM = 93.496 Pipe – (13–14) INV IN = 89.100 Pipe – (12–13) INV OUT = 89.000
14 – DI–7	RIM = 102.750 Pipe – (13–14) INV OUT = 98.000
FLARED END SECTION	RIM = 58.158 Pipe – Outfall INV IN = 56.000

Structure Table	
Structure Name	**Structure Details**
15 – DI–3B L=10'	RIM = 85.017 Pipe – 15–16 INV IN = 77.520 OUTFALL–15 INV OUT = 77.420
16 – DI–3B L=14'	RIM = 88.194 Pipe – 16–17 INV IN = 82.400 Pipe – 15–16 INV OUT = 82.300
17 – DI–3B L=14'	RIM = 88.197 Pipe – 17–18 INV IN = 83.700 Pipe – 17–23 INV IN = 83.700 Pipe – 16–17 INV OUT = 83.600
18 – DI–3B L=12'	RIM = 108.619 Pipe – 18–19 INV IN = 103.600 Pipe – 18–22 INV IN = 103.600 Pipe – 17–18 INV OUT = 103.500
19 – DI–3B L=8'	RIM = 132.192 Pipe – 19–21 INV IN = 127.000 Pipe – 19–20 INV IN = 127.000 Pipe – 18–19 INV OUT = 126.900
20 – DI–3B L=8'	RIM = 132.199 Pipe – 20–24 INV IN = 127.700 Pipe – 19–20 INV OUT = 127.600
21 – DI–7	RIM = 141.520 Pipe – 19–21 INV OUT = 130.000
22 – DI–3B L=10'	RIM = 108.635 Pipe – 18–22 INV OUT = 104.000
23 – DI–3B L=8'	RIM = 87.778 Pipe – 17–23 INV OUT = 84.200
24 – DI–3C L=8'	RIM = 135.434 Pipe – 20–24 INV OUT = 128.900
OUTFALL	RIM = 54.500

Structure Table	
Structure Name	**Structure Details**
MH – 25	RIM = 138.956 Pipe – (25) INV OUT = 61.000

Pipe Table				
Pipe Name	**Size**	**Length**	**Slope**	**Material**
Pipe – (1–2)	24.000	130.685	17.22%	HDPE
Pipe – (2–3)	18.000	60.789	5.76%	HDPE
Pipe – (2–11)	18.000	131.869	0.99%	HDPE
Pipe – (3–4)	18.000	210.510	8.31%	HDPE
Pipe – (4–5)	18.000	300.452	11.42%	HDPE
Pipe – (4–9)	12.000	30.083	2.49%	HDPE
Pipe – (5–6)	12.000	160.069	10.68%	HDPE
Pipe – (5–8)	12.000	30.083	1.33%	HDPE
Pipe – (6–7)	12.000	36.185	2.21%	HDPE
Pipe – (11–12)	18.000	30.705	1.63%	HDPE
Pipe – Outfall–1	24.000	143.635	5.22%	HDPE
Pipe – (12–13)	18.000	18.922	2.64%	HDPE
Pipe – (13–14)	18.000	350.885	2.54%	HDPE
Pipe – 3–10	18.000	30.081	2.99%	HDPE

Pipe Table				
Pipe Name	**Size**	**Length**	**Slope**	**Material**
OUTFALL–15	18.000	124.749	18.37%	HDPE
Pipe – 15–16	18.000	91.719	5.21%	HDPE
Pipe – 16–17	18.000	30.083	3.99%	HDPE
Pipe – 17–18	18.000	177.871	11.13%	HDPE
Pipe – 17–23	18.000	35.491	1.41%	HDPE
Pipe – 18–19	18.000	235.120	9.91%	HDPE
Pipe – 18–22	18.000	30.084	1.33%	HDPE
Pipe – 19–20	18.000	30.029	2.00%	HDPE
Pipe – 19–21	18.000	74.325	4.04%	HDPE
Pipe – 20–24	18.000	61.326	1.96%	HDPE

Pipe Table				
Pipe Name	**Size**	**Length**	**Slope**	**Material**
Pipe – (25)	18.000	65.020	8.00%	Reinforced Concrete Pipe

Water Quality Structures			
Label	**Structure Type**	**Rim**	**Invert In**
WQ1	Contech Stormfilter 0811	66.75	57.60

Bypass & Detention Basin Structures			
Label	**Structure Type**	**Rim**	**Inverts**
SB1	5'ø MH WITH EXTENDED BASE & DI–7 TOP	62.75	(2)6"ø ORIFICES=56.0 (OPPOSING SIDES) 24" RCP OUT=54.0
JB1	VDOT STD. JUNCTION BOX WITH OPEN TOP	62.75	66"ø RCP OUT=52.0 24"ø RCP IN=52.0 36"Wx48"T RECT. OPNG. BTTM=52.00

GENERAL ROAD GRADING NOTES:

1) THIS PROFILE IS SHOWN TO BETTER DEFINE THE GRADING REQUIRED FOR THE ROAD CONSTRUCTION AS PART OF THE GRADING AND EROSION CONTROL SUBMITTAL. ADDITIONAL DEVELOPMENT INFORMATION WILL BE SUBMITTED UNDER SEPARATE COVER.

COMMONWEALTH OF VIRGINIA
SEAN C. GOLDSMITH
Lic. No. 032949
11-21-14
PROFESSIONAL ENGINEER

Revisions By	Date
1-ROAD GRADES	8/13/14
2-STRUCT & WL INFO.	9/19/14
3-STRM& SWR RVSNS	10/7/14
4-WTR RVSNS	10/22/14
5-INLET RVSNS	11/21/14

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PROFILE – PRIVATE RD #1 & STORM TABLES
PRIMROSE COURT

PHASE 1
COTTAGES OF STEEPLECHASE
BOTETOURT COUNTY, VIRGINIA

Scale: AS SHOWN
Date: 4-24-14
Design By: SCG
CAD By: SCG
Checked By:
Project No.: 12052

Sheet No.
C5