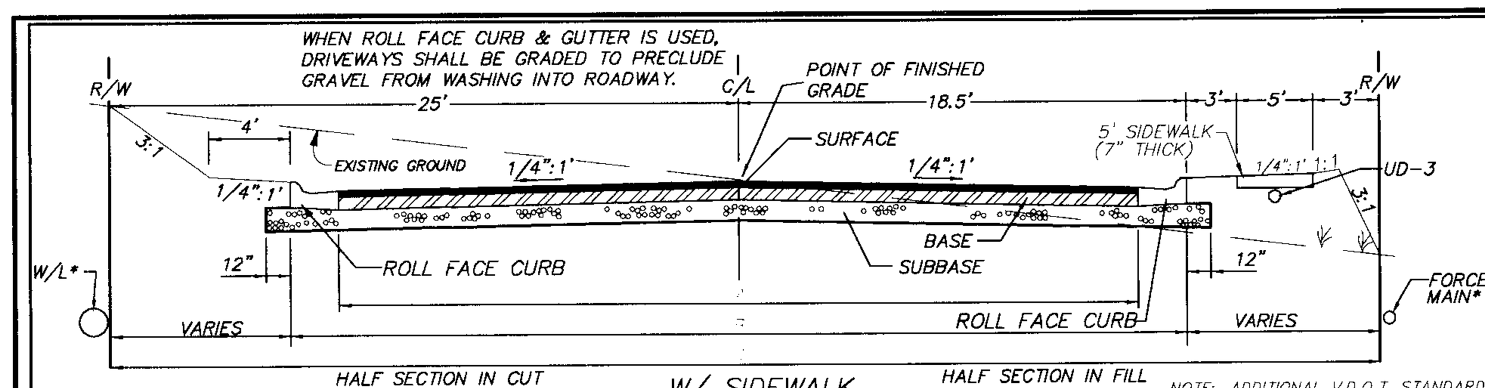


* SEE SITE PLAN FOR DETAILED UTILITY LOCATIONS.

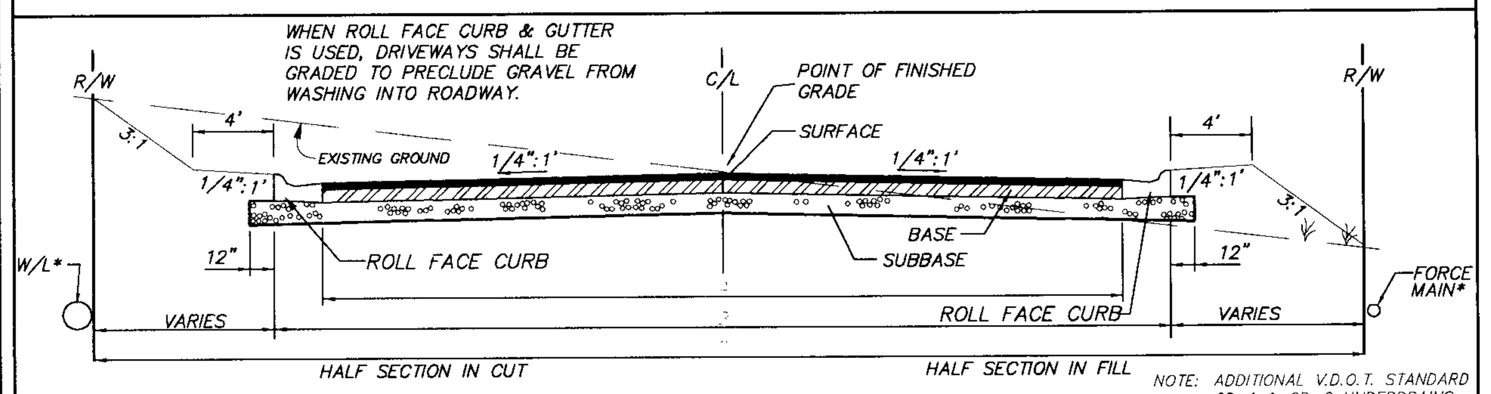
W/ SIDEWALK

TYPICAL SECTION

NO SCALE

NOTE: ADDITIONAL V.D.O.T. STANDARD CD-1 & CD-2 UNDERDRAINS SHALL BE INSTALLED AS REQUIRED BY VDOT OR THE ENGINEER.

HIGH PEAK BLVD STA. 26+04 TO STA. 41+50, HONEYSUCKLE DRIVE STA. 0+30 TO STA. 8+00, SNOWHAWK TRAIL



* SEE SITE PLAN FOR DETAILED UTILITY LOCATIONS.

TYPICAL SECTION

NO SCALE

NOTE: ADDITIONAL V.D.O.T. STANDARD CD-1 & CD-2 UNDERDRAINS SHALL BE INSTALLED AS REQUIRED BY VDOT OR THE ENGINEER.

HIGH PEAK BLVD 41+50 TO 44+40, ORCHARD RIDGE LANE, HONEY BEE LANE, CORAL MILL COURT, HONEY SUCKLE DRIVE STA. 8+00 TO STA. 11+65

ROAD CLASSIFICATION SCHEDULE

ROAD NAMES STA. TO STA.	FUNCTIONAL CLASSIFICATION	DESIGN SPEED (MPH)	VPD	PAVEMENT DESIGN ① ② SUBBASE	BASE	SURFACE	"A" PVM'T. WIDTH E/P – E/P	"B" B/C–B/C	R/W WIDTH
HIGH PEAK BOULEVARD STA. 26+04 TO STA. 36+67	LOCAL STREET	30	810	6" 21–B	3.0" BM–25.0	2" SM–9.5A	31	37	54.5
HIGH PEAK BOULEVARD STA. 36+67 TO STA. 41+50	LOCAL STREET	30	290		8" 21–B	2" SM–9.5A	23	29	50.5
HIGH PEAK BOULEVARD STA. 41+50 TO STA. 44+40	LOCAL STREET	30	60		6" 21–B	2" SM–9.5A	23	29	50.5
ORCHARD RIDGE LANE STA. 0+30 TO STA. 2+60	LOCAL STREET	30	70		6" 21–B	2" SM–9.5A	23	29	50
HONEYSUCKLE DRIVE STA. 0+30 TO STA. 8+00	LOCAL STREET	30	280		6" 21–B	2" SM–9.5A	23	29	50.5
HONEYSUCKLE DRIVE STA. 8+00 TO STA. 11+65	LOCAL STREET	30	90		6" 21–B	2" SM–9.5A	23	29	50.5
HONEY BEE LANE STA. 0+30 TO STA. 2+60	LOCAL STREET	30	40		6" 21–B	2" SM–9.5A	23	29	50
SNOWHAWK TRAIL STA. 0+45 TO STA. 6+00	LOCAL STREET	30	50		6" 21–B	2" SM–9.5A	23	29	50.5
CORAL MILL COURT STA. 0+30 TO STA. 5+40	LOCAL STREET	30	110		6" 21–B	2" SM–9.5A	23	29	50

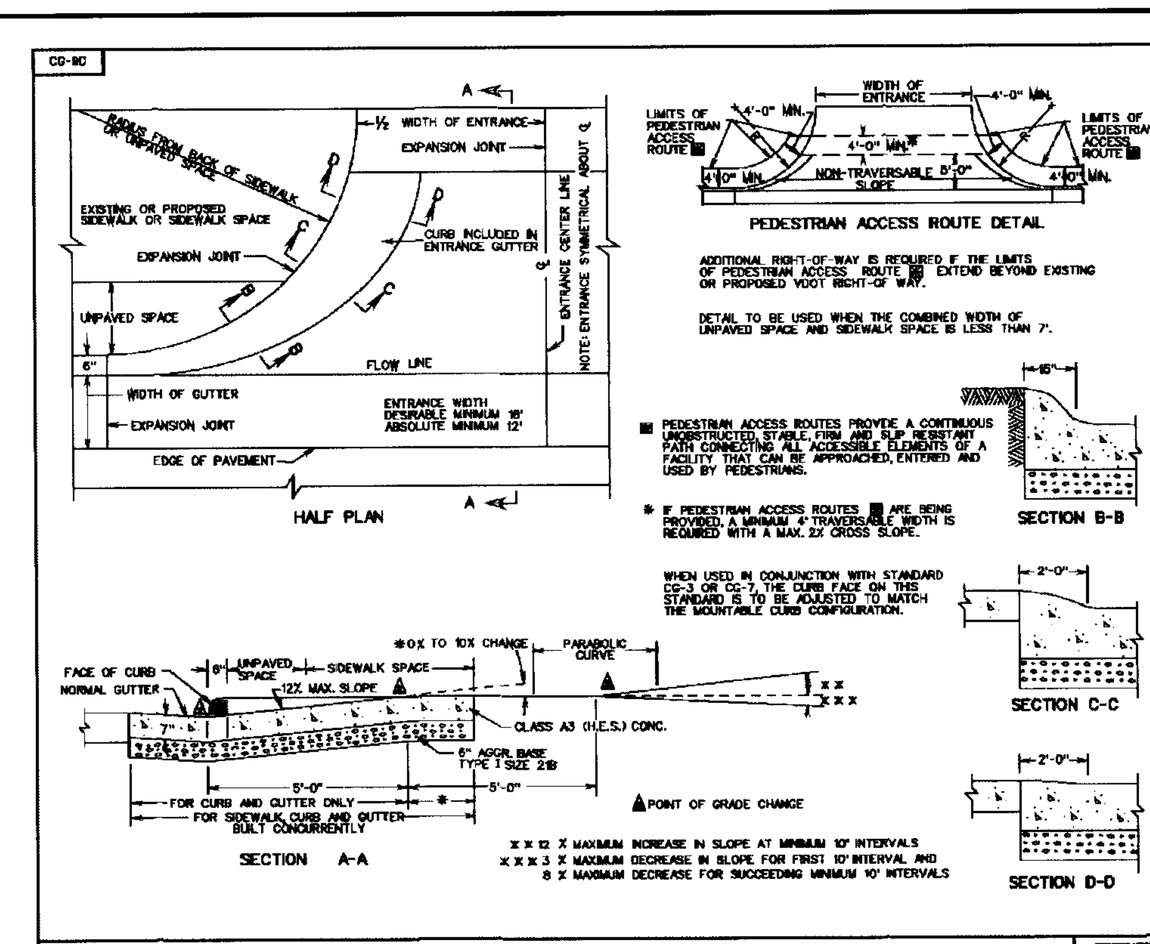
① PAVEMENT SECTIONS ARE BASED ON A MINIMUM DESIGN CBR VALUE OF 10. PAVEMENT DESIGN MAY BE REVISED DUE TO ACTUAL SUBGRADE CONDITIONS.
② A PRIME COAT SHALL BE APPLIED BETWEEN THE AGGREGATE BASE AND ASPHALT COURSES IN ACCORDANCE WITH V.D.O.T. STANDARDS.
REFER TO PLAN SHEET FOR THE END OF CURB AND GUTTER.

LINE TABLE

LINE	LENGTH	BEARING
L1	14.48	N67°23'45"E
L2	958.29	N18°07'07"W
L3	218.52	N51°59'57"W
L4	136.30	S71°52'53"W
L5	214.30	N38°15'51"W
L6	128.63	S85°49'08"W
L7	25.50	S04°10'52"E
L8	213.37	S39°30'47"W
L9	379.48	S66°53'52"W
L10	52.95	S71°55'19"W
L11	307.44	N62°51'58"W

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD BEARING	CHORD LENGTH
C1	293.96	400.00	42°06'25"	153.97	S46°20'32"W	287.39
C2	522.38	350.00	85°30'52"	323.62	N24°38'19"E	475.23
C3	365.76	300.00	69°51'16"	209.50	S73°11'29"E	343.52
C4	292.78	300.00	55°55'01"	159.23	N66°13'21"W	281.30
C5	247.53	300.00	47°16'31"	131.30	N43°15'36"E	240.57
C6	138.09	175.00	45°12'43"	72.87	S85°28'19"E	134.54



STANDARD ENTRANCE GUTTER

VIRGINIA DEPARTMENT OF TRANSPORTATION

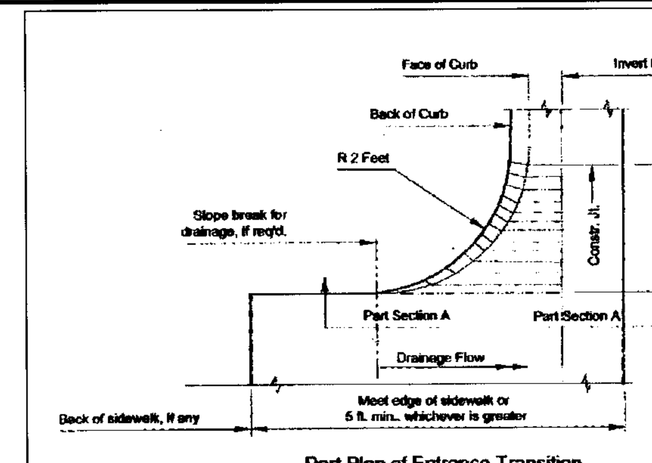


FIGURE 7 - ROLL TOP CURB ENTRANCE DETAIL

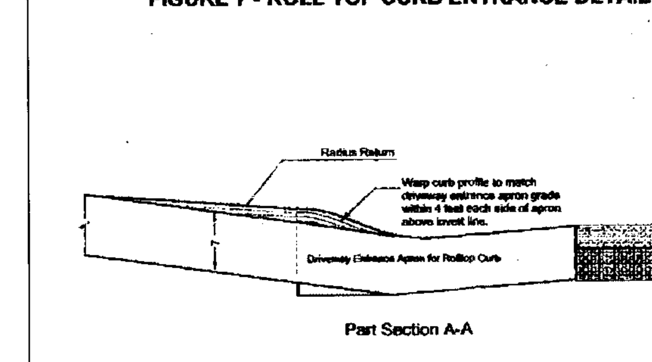
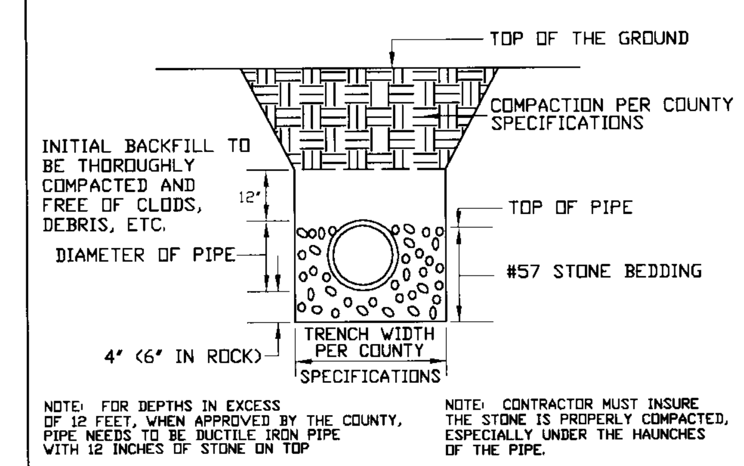


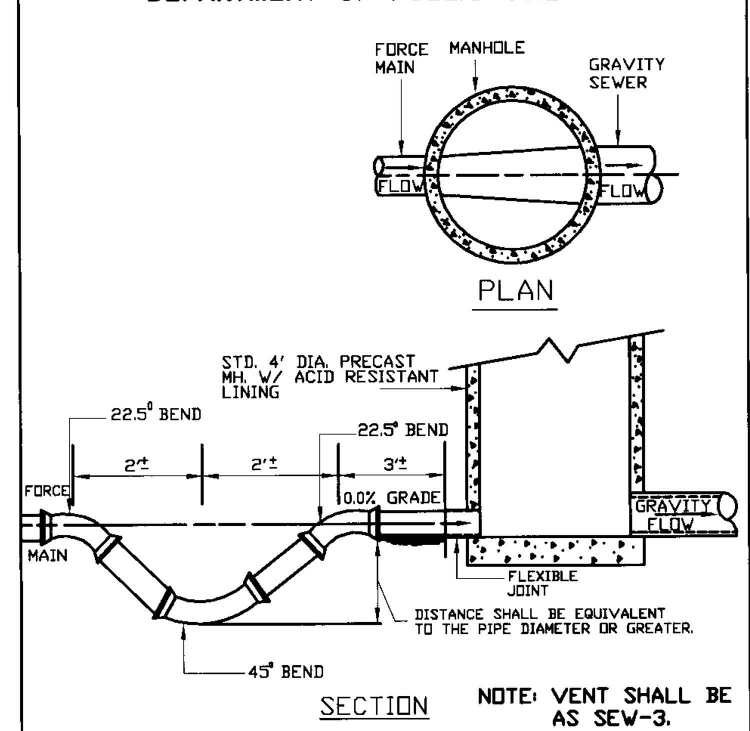
FIGURE 8 ROLLTOP CURB ENTRANCE DETAIL SECTION

PRINCE GEORGE COUNTY
DEPARTMENT OF PUBLIC UTILITIES

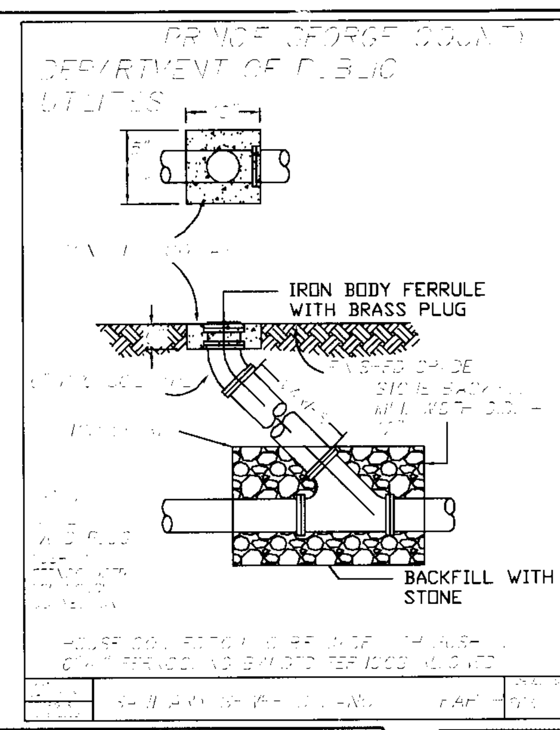


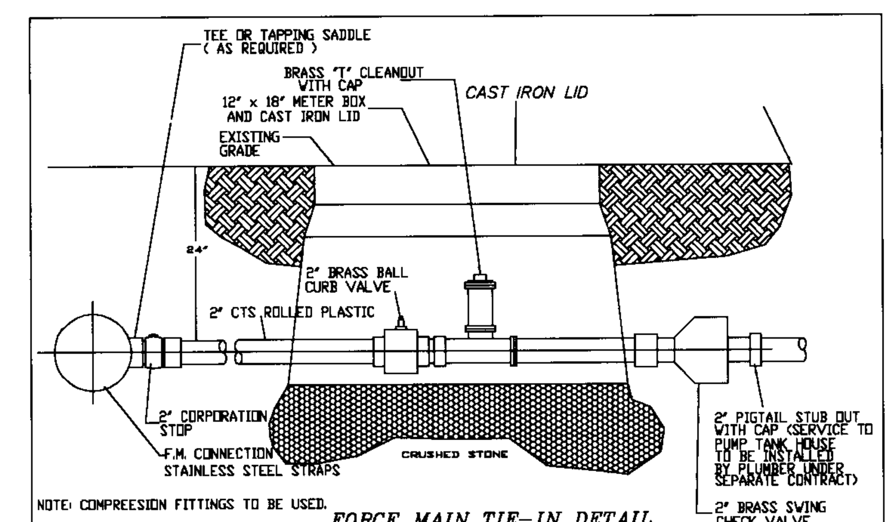
BEDDING AND BACKFILL DETAIL FOR PLASTIC SEWER PIPE — SEW-2

PRINCE GEORGE COUNTY
DEPARTMENT OF PUBLIC UTILITIES



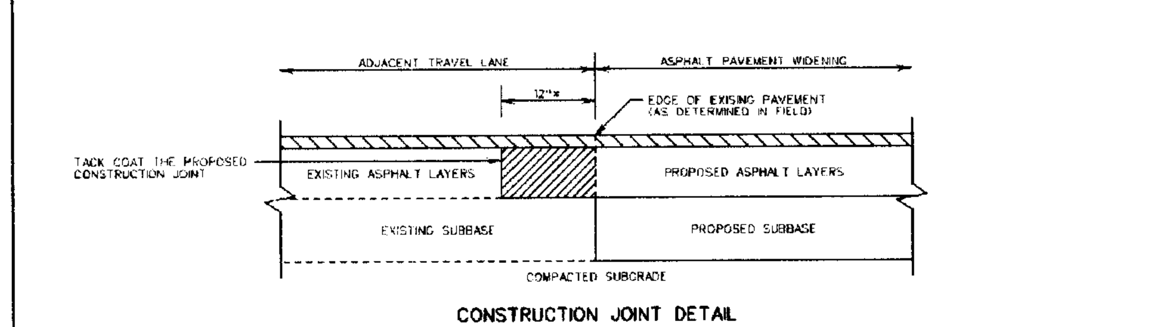
FORCE MAIN DISCHARGE — SEW-6





NOTE: COMPRESSION FITTINGS TO BE USED.

FORCE MAIN TIE-IN DETAIL



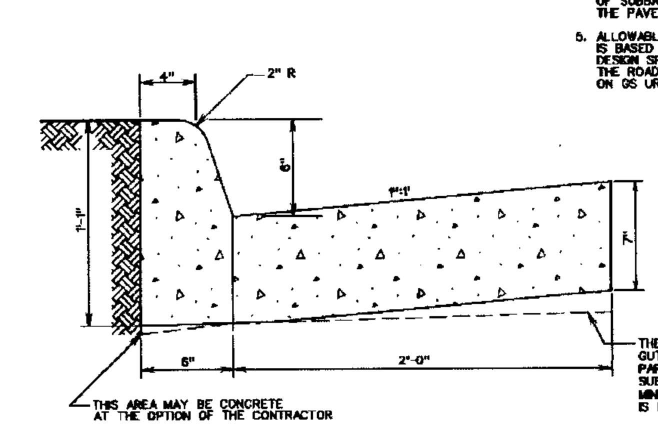
CONSTRUCTION JOINT DETAIL

NOTES:

ASPHALT PAVEMENT WIDENING

FOR WIDENING SUBJECT TO TRAFFIC

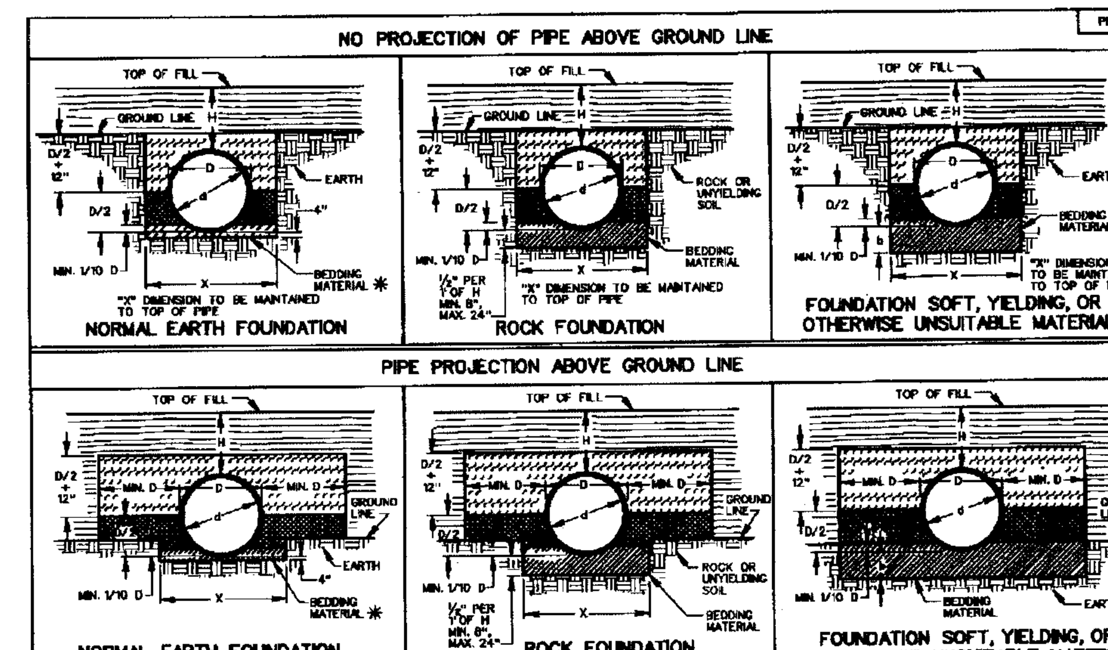
VIRGINIA DEPARTMENT OF TRANSPORTATION



NOTES:

COMBINATION 6" CURB AND GUTTER

VIRGINIA DEPARTMENT OF TRANSPORTATION



INSTALLATION OF PIPE CULVERTS AND STORM SEWERS
CIRCULAR PIPE BEDDING AND BACKFILL - METHOD "A"

STORM SEWER SCHEDULE

NOTES:
1. PIPE LENGTHS ARE MEASURED FROM CENTER TO CENTER OF STRUCTURE
2. VDOT STD. ST-1 STEPS ARE REQUIRED FOR ALL STRUCTURES WITH A HEIGHT GREATER THAN OR EQUAL TO 4.0 FT.
3. INSTALL GEOTEXTILE FILTER FABRIC AROUND THE WEEP HOLE FOR ALL SAG DROP INLETS (DI-3CS).
4. VDOT STD. SL-1 SAFETY SLABS ARE REQUIRED FOR ALL STRUCTURES WITH A HEIGHT GREATER THAN 12.0 FT.

1	DI-3B, L=6', TOP = 119.32, H = 4.17' W/ ST-1
2	40.00 L.F. 15" CL. III CONC. PIPE @ 0.50% INV. IN = 115.15, INV. OUT = 114.95
3	DI-3B, L=10', TOP = 119.32, H = 4.47' W/ IS-1, W/ ST-1
4	46.77 L.F. 15" CL. III CONC. PIPE @ 3.74% INV. IN = 114.85, INV. OUT = 113.10
5	DI-3B, L=10', TOP = 117.77, H = 4.77' W/ IS-1, W/ ST-1
6	161.01 L.F. 15" CL. III CONC. PIPE @ 1.46% INV. IN = 113.00, INV. OUT = 110.65
7	DI-3C, L=14', TOP = 115.60, H = 4.75' W/ ST-1
8	40.00 L.F. 18" CL. III CONC. PIPE @ 0.50% INV. IN = 110.85, INV. OUT = 110.65
9	DI-3C, L=10', TOP = 115.60, H = 5.05' W/ IS-1, W/ ST-1
10	172.75 L.F. 18" CL. III CONC. PIPE @ 14.50% INV. IN = 110.55, INV. OUT = 85.50
10A	MH-2, TOP = 90.36, H = 5.86' W/ ST-1
10B	28.00 L.F. 18" CL. III CONC. PIPE @ 2.01% INV. IN = 84.50, INV. OUT = 83.94
11	DI-3B, L=10', TOP = 98.27, H = 4.17' W/ ST-1
12	32.00 L.F. 15" CL. III CONC. PIPE @ 6.91% INV. IN = 94.10, INV. OUT = 91.89
13	DI-3B, L=12', TOP = 98.27, H = 6.48' W/ IS-1, W/ ST-1
14	190.72 L.F. 15" CL. III CONC. PIPE @ 6.44% INV. IN = 91.79, INV. OUT = 79.51
15	DI-3B, L=12', TOP = 84.18, H = 8.00' W/ ST-1
16	84.00 L.F. 15" CL. III CONC. PIPE @ 4.60% INV. IN = 76.18, INV. OUT = 72.32
16A	DI-3B, L= , TOP = 76.11, H = 8.29' W/ ST-1
16B	87.59 L.F. 15" CL. III CONC. PIPE @ 4.32% INV. IN = 67.82, INV. OUT = 64.04
17	DI-1, TOP = 74.48, H = 4.98' W/ ST-1
18	149.00 L.F. 15" CL. III CONC. PIPE @ 4.86% INV. IN = 69.50, INV. OUT = 62.26
19	DI-3B, L=10', TOP = 67.54, H = 7.91' W/ IS-1, W/ ST-1
20	134.50 L.F. 18" CL. III CONC. PIPE @ 2.91% INV. IN = 59.54, INV. OUT = 55.62
21	DI-3B, L=10', TOP = 59.12, H =6.87' W/ IS-1, W/ ST-1
22	32.00 L.F. 24" CL. III CONC. PIPE @ 1.31% INV. IN = 52.25, INV. OUT = 51.83
23	DI-3B, L=8', TOP = 59.12, H = 7.39' W/ ST-1
24	84.00 L.F. 24" CL. III CONC. PIPE @ 14.50% INV. IN = 51.73, INV. OUT = 39.55
24A	MH-2, TOP = 46.00, H = 6.55' W/ IS-1, W/ ST-1
24B	36.00 L.F. 24" CL. III CONC. PIPE @ 4.03% INV. IN = 39.45, INV. OUT = 38.00
25	DI-3B, L=10', TOP = 59.00, H = 4.17' W/ ST-1
26	32.00 L.F. 15" CL. III CONC. PIPE @ 9.62% INV. IN = 54.83, INV. OUT = 51.75
27	DI-3B, L=10', TOP = 59.00, H = 7.35' W/ ST-1
28	122.36 L.F. 15" CL. III CONC. PIPE @ 6.09% INV. IN = 51.65, INV. OUT = 44.20
29	DI-3B, L=6', TOP = 48.87, H = 4.77' W/ IS-1, W/ ST-1
30	80.38 L.F. 15" CL. III CONC. PIPE @ 7.50% INV. IN = 44.10, INV. OUT = 38.07
31	DI-3C, L=14', TOP = 44.25, H = 6.28' W/ IS-1, W/ ST-1
32	55.20 L.F. 15" CL. III CONC. PIPE @ 2.48% INV. IN = 37.97, INV. OUT = 36.60
33	MH-2, TOP = 43.00, H = 6.50' W/ IS-1, W/ ST-1
34	128.32 L.F. 15" CL. III CONC. PIPE @ 2.73% INV. IN = 36.50, INV. OUT = 33.00
35	DI-3B, L=6', TOP = 38.54, H = 5.64' W/ IS-1, W/ ST-1
36	113.93 L.F. 18" CL. III CONC. PIPE @ 2.46% INV. IN = 32.90, INV. OUT = 30.10
37	DI-3C, L=12', TOP = 35.83, H = 5.83' W/ IS-1, W/ ST-1
38	34.96 L.F. 18" CL. III CONC. PIPE @ 2.20% INV. IN = 30.00, INV. OUT = 29.23
39	DI-3C, L=6', TOP = 35.88, H = 6.75' W/ IS-1, W/ ST-1
40	56.00 L.F. 18" CL. III CONC. PIPE @ 14.50% INV. IN = 29.13, INV. OUT = 21.01
40A	MH-2, TOP = 30.00, H = 10.99' W/ IS-1, W/ ST-1
40B	34.00 L.F. 18" CL. III CONC. PIPE @ 14.50% INV. IN = 19.01, INV. OUT = 14.08
40C	MH-2, TOP = 18.40, H = 8.82' W/ ST-1
40D	24.00 L.F. 18" CL. III CONC. PIPE @ 2.50% INV. IN = 9.58, INV. OUT = 8.98
41	DI-3B, L=12', TOP = 111.35, H = 8.00' W/ ST-1
42	120.00 L.F. 15" CL. III CONC. PIPE @ 7.00% INV. IN = 103.35, INV. OUT = 94.95
42A	DI-3B, L= , TOP = 99.45, H = 8.00' W/ ST-1
42B	119.20 L.F. 15" CL. III CONC. PIPE @ 7.07% INV. IN = 91.45, INV. OUT = 82.97
43	DI-3B, L=12', TOP = 87.47, H = 4.62' W/ ST-1
44	32.00 L.F. 15" CL. III CONC. PIPE @ 0.50% INV. IN = 82.85, INV. OUT = 82.69
45	DI-3B, L=12', TOP = 87.47, H = 10.00' W/ IS-1, W/ ST-1
46	210.10 L.F. 15" CL. III CONC. PIPE @ 6.01% INV. IN = 77.47, INV. OUT = 64.84
47	DI-3B, L=12', TOP = 69.34, H = 7.86' W/ IS-1, W/ ST-1
48	164.02 L.F. 15" CL. III CONC. PIPE @ 3.23% INV. IN = 61.48, INV. OUT = 56.19
49	DI-3C, L=6', TOP = 60.36, H = 6.23' W/ IS-1, W/ ST-1
50	112.00 L.F. 15" CL. III CONC. PIPE @ 14.50% INV. IN = 54.13, INV. OUT = 37.89
51	MH-2, TOP = 42.62, H = 11.73' W/ IS-1, W/ ST-1
52	32.00 L.F. 15" CL. III CONC. PIPE @ 14.50% INV. IN = 30.89, INV. OUT = 26.25
52A	MH-2, TOP = 29.74, H = 11.52' W/ ST-1
52B	38.49 L.F. 15" CL. III CONC. PIPE @ 14.50% INV. IN = 18.22, INV. OUT = 12.64
53	DI-3C, L=12', TOP = 36.64, H = 5.20' W/ ST-1
54	96.00 L.F. 15" CL. III CONC. PIPE @ 1.00% INV. IN = 31.44, INV. OUT = 30.48
55	MH-2, TOP = 41.44, H = 11.06' W/ IS-1, W/ ST-1
56	216.81 L.F. 15" CL. III CONC. PIPE @ 8.18% INV. IN = 30.38, INV. OUT = 12.64
57	MH-2, TOP = 17.60, H = 5.71' W/ IS-1, W/ ST-1
58	52.00 L.F. 24" CL. III CONC. PIPE @ 1.00% INV. IN = 11.89, INV. OUT = 11.37

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DATE	REVISION DESCRIPTION
5-6-10	COUNTY COMMENTS

DATE	23 DEC 2009
DRAWN BY	R. ROBBINS
DESIGNED BY	K. HALPAUS
CHECKED BY	D. JOHNSON
SCALE	NONE

TIMMONS GROUP

THE MEADOWS AT PRINCE GEORGE - SECTION 6

BLAND DISTRICT - PRINCE GEORGE COUNTY - VIRGINIA

NOTES, DETAILS, AND TYPICAL SECTIONS

JOB NO. 28124

SHEET NO. C1.2