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http://www.dot.state.tx.us/ftw/spec/info/standard.htm ci102bcfw.dgn

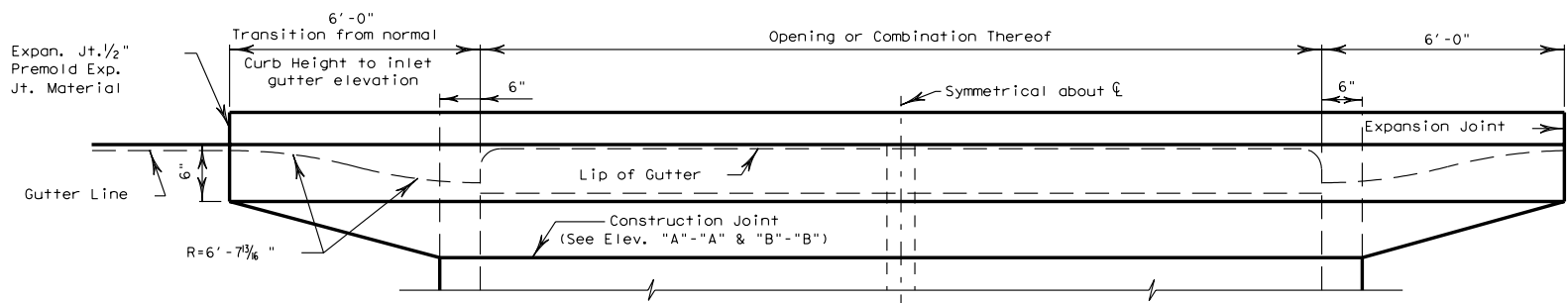
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7	8	9
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28	29	30
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43	44	45
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49	50	51
52	53	54
55	56	57
58	59	60
61	62	63
64	65	66
67	68	69
70	71	72
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76	77	78
79	80	81
82	83	84
85	86	87
88	89	90
91	92	93
94	95	96
97	98	99
100	101	102

**BILL OF REINFORCING STEEL**

Depth "D"	Opening Length "L"=5ft.						Opening Length "L"=10ft.						Opening Length "L"=15ft.						Opening Length "L"=20 ft.													
	All Widths and Lengths		Widths "W"		Widths "W"		Widths "W"		Widths "W"		Widths "W"		Widths "W"		Widths "W"		Widths "W"		Widths "W"		Widths "W"		Widths "W"									
	3ft	4ft	5ft	3ft	4ft	5ft	3ft	4ft	5ft	3ft	4ft	5ft	3ft	4ft	5ft	3ft	4ft	5ft	3ft	4ft	5ft	3ft	4ft	5ft								
1'-10"	10	3	2	4	20	24	28	10	10	6	28	32	36	18	18	6	36	40	44	26	26	6	2	2	44	48	52	34	34	6	2	2

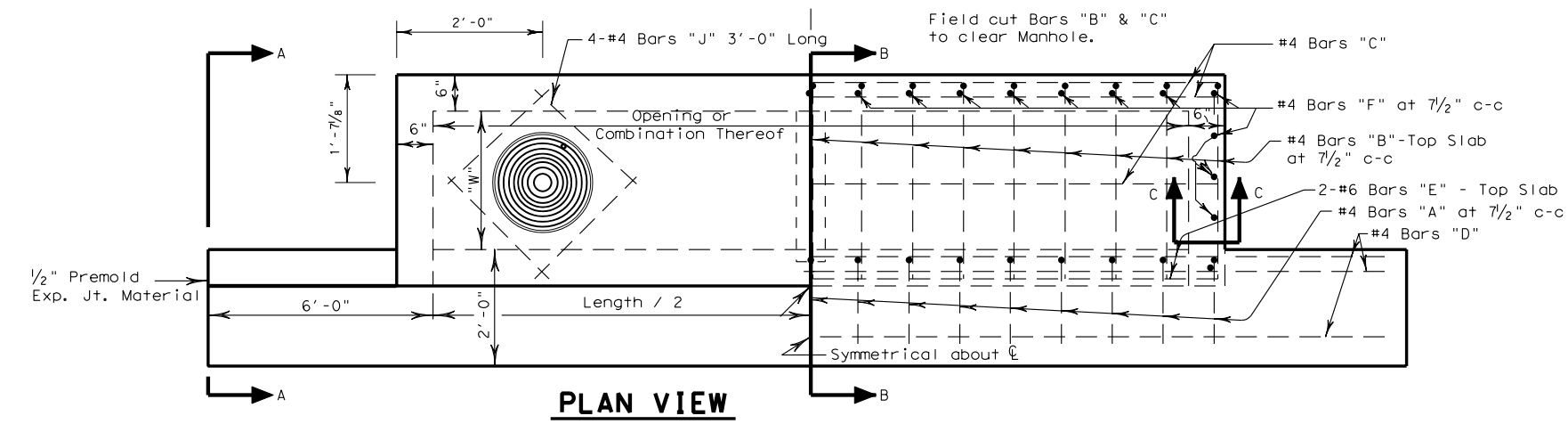
**SUMMARY OF QUANTITIES FOR CURB INLETS**

Depth "D"	5'-0" Opening "L"				10'-0" Opening "L"				15'-0" Opening "L"				20'-0" Opening "L"																	
	Width 3'-0"	Width 4'-0"	Width 5'-0"	Width 5'-0"	Width 3'-0"	Width 4'-0"	Width 5'-0"	Width 5'-0"	Width 3'-0"	Width 4'-0"	Width 5'-0"	Width 5'-0"	Width 3'-0"	Width 4'-0"	Width 5'-0"	Width 5'-0"														
	Conc.	Steel	Conc.	Steel	Conc.	Steel	Conc.	Steel	Conc.	Steel	Conc.	Steel	Conc.	Steel	Conc.	Steel														
1'-10"	1.70	1.85	1.85	1.99	2.02	2.14	2.40	2.92	2.65	3.12	2.91	3.33	3.16	4.12	3.53	4.41	3.90	4.69	3.95	5.20	4.42	5.54	4.88	5.88	4.88	5.88	4.88	5.88	4.88	5.88
	P.L.F.	1.333	40.0	.370	44.8	.407	49.6	.519	61.4	.556	66.2	.593	71.0	.704	82.7	.741	87.6	.778	94.0	.889	104.1	.926	108.9	.963	113.7					

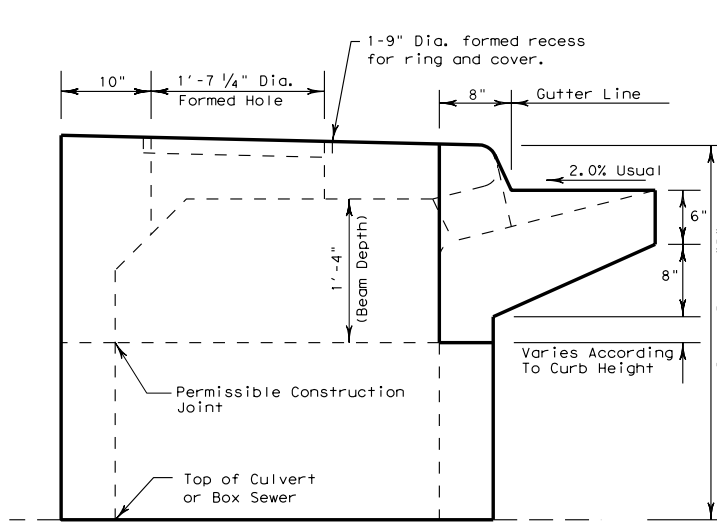


Note: Location of ring and cover to be at outfall end, unless otherwise directed by the Engineer.

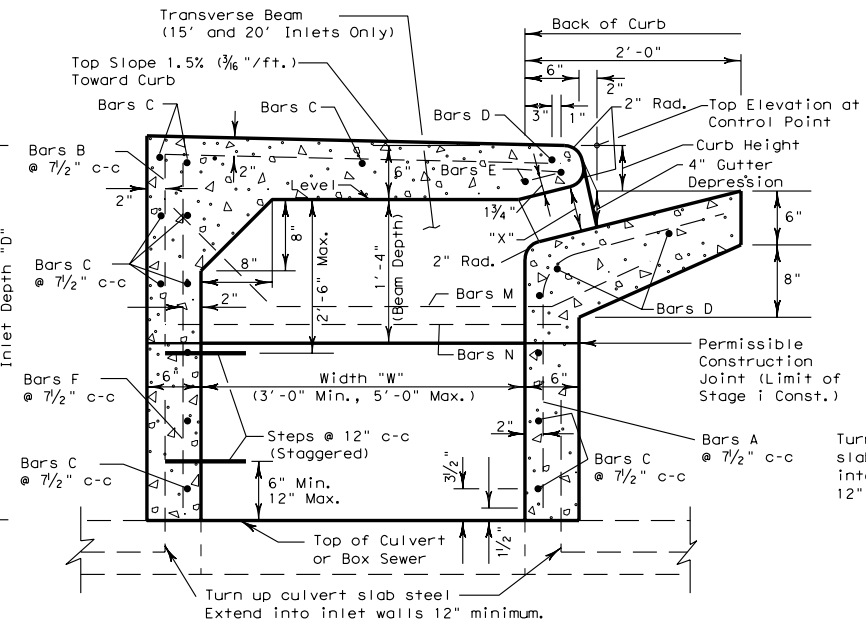
**FRONT ELEVATION VIEW**



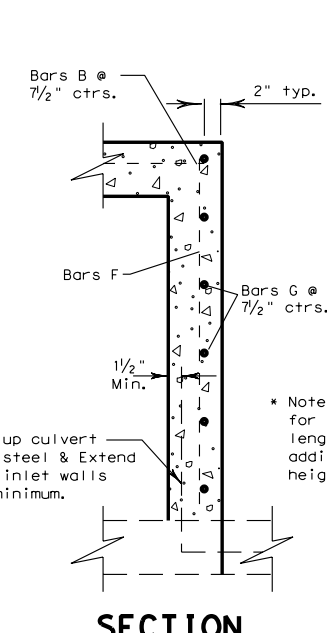
**PLAN VIEW**



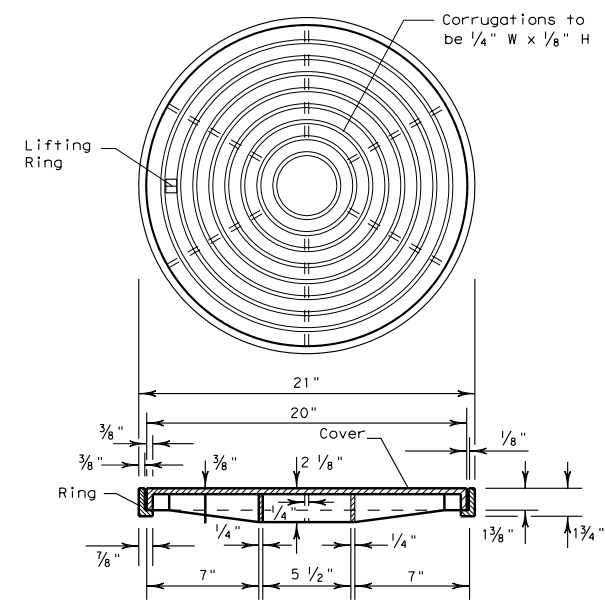
**SIDE ELEVATION "A-A"**



**SECTION "B-B"**



**SECTION "C-C"**



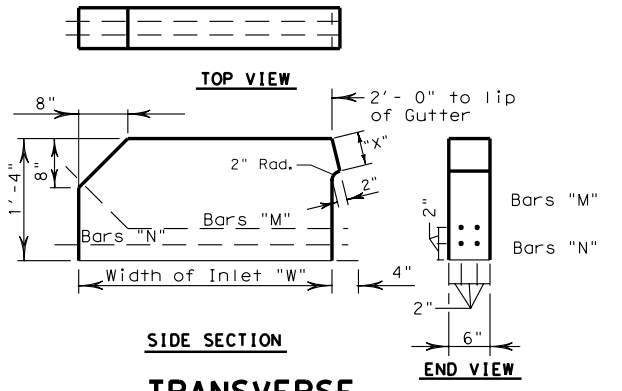
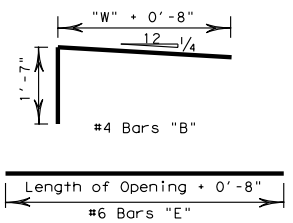
**CAST IRON RING & COVER DETAIL**

CONCRETE QUANTITY REDUCTION TABLE

Pipe Diameter	Reduction One Pipe C.U. Yd.
15"	0.04
18"	0.05
21"	0.08
24"	0.09
27"	0.11
30"	0.14
33"	0.17
36"	0.20
39"	0.23
42"	0.26
45"	0.30
48"	0.35

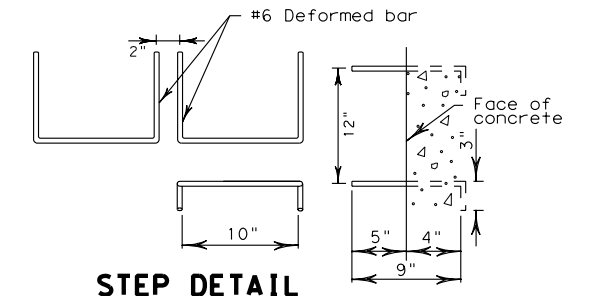
THROAT DIMENSION

CURB HEIGHT	"X"
5"	5"
6"	5 7/8"
7"	6 1/4"
8"	6 1/2"



**TRANSVERSE BEAM DETAIL**

(For Use With 15' & 20' Inlets)



**STEP DETAIL**

**GENERAL NOTES**

- All concrete shall be Class "A".
- Chamfer all exposed corners 3/4" except where otherwise noted.
- Dimensions related to reinforcing steel are to the centers of bars.
- Field cut and bend bars as necessary to accommodate storm drain pipe.
- Cast iron ring and cover shall conform to Item 471.
- Depths other than those shown may be used whenever necessary, up to a maximum of 10'. Quantities for other depths within the limits of the tables may be found by interpolation.
- During Stage 1 construction, inlets will not be constructed above subgrade elevation unless permission is granted.
- A temporary wood cover shall be installed after Stage 1 is completed, and will remain in place until Stage 2 begins.
- The location of inlet as shown in the plans refers to the control point at the face of curb and mid-point of the inlet.
- Place a sealed 1/2" expansion joint along all vertical faces abutting concrete pavement. Seal joint with class 3,4,5 or 7 joint sealant.



TYPE 1-C  
CURB INLET ON BOX CULVERT  
FOR USE W/5" TO 8" CURB  
OR CURB & GUTTER  
5', 10', 15' & 20' OPENINGS  
3'-6" TO 10'-0" DEPTHS &  
3', 4' & 5' WIDTHS

**CI (1) - 02 - BC (FW)**

FED. RD. DIV. NO.	PROJECT NO.	SHEET NO.
6		
STATE	DIST.	COUNTY
TEXAS	FTW	
CONT.	SECT.	JOB
		HIGHWAY NO.

Rev. Sept. 2004 for compliance with spec book

Original August 2002

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