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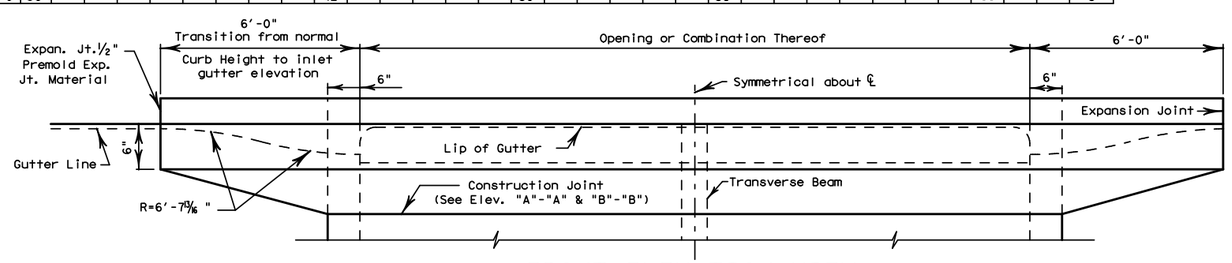
BILL OF REINFORCING STEEL

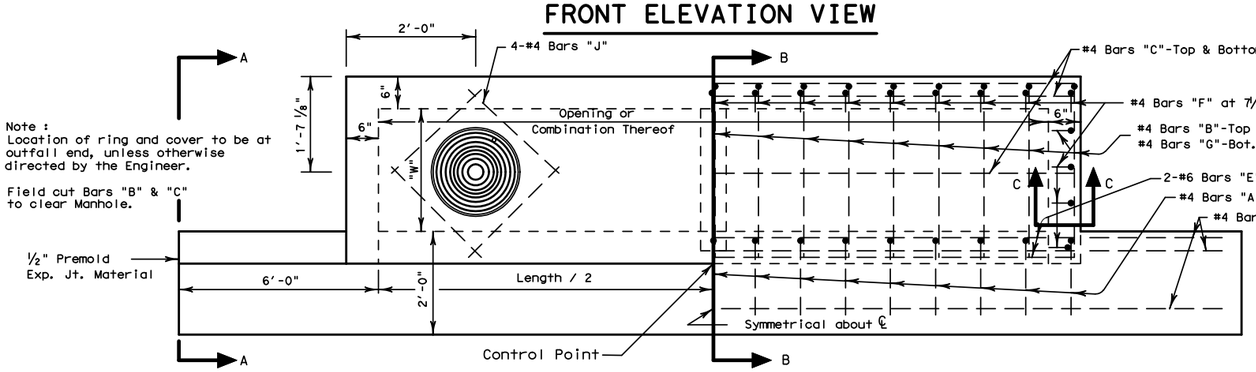
Depth "D"	All Widths and Lengths				Opening Length "L"= 5 ft			Opening Length "L"= 10 ft						Opening Length "L"= 15 ft										Opening Length "L"= 20 ft										Steps
					Widths "W"			Widths "W"						Widths "W"										Widths "W"										
					3ft	4ft	5ft	3ft	4ft	5ft				3ft	4ft	5ft								3ft	4ft	5ft								
	Bars C	Bars D	Bars E	Bars J	Bars F	Bars F	Bars F	Bars A	Bars B	Bars G	Bars F	Bars F	Bars F	Bars A	Bars B	Bars G	Bars F	Bars F	Bars F	Bars A	Bars B	Bars G	Bars M	Bars N	Bars F	Bars F	Bars F	Bars A	Bars B	Bars G	Bars M	Bars N	
3'-6"	17	3	2	4	20	24	28	10	10	20	28	32	36	18	18	28	36	40	44	26	26	36	2	2	44	48	52	34	34	44	2	2	1
3'-9"	18	"	"	"	"	"	"	"	"	20	"	"	"	"	"	28	"	"	"	"	"	36	"	"	"	"	"	"	"	44	"	"	1
4'-0"	19	"	"	"	"	"	"	"	"	24	"	"	"	"	"	32	"	"	"	"	"	40	"	"	"	"	"	"	"	48	"	"	1
4'-3"	19	"	"	"	"	"	"	"	"	24	"	"	"	"	"	32	"	"	"	"	"	40	"	"	"	"	"	"	"	48	"	"	1
4'-6"	21	"	"	"	"	"	"	"	"	26	"	"	"	"	"	34	"	"	"	"	"	42	"	"	"	"	"	"	"	50	"	"	2
4'-9"	21	"	"	"	"	"	"	"	"	26	"	"	"	"	"	34	"	"	"	"	"	42	"	"	"	"	"	"	"	50	"	"	2
5'-0"	21	"	"	"	"	"	"	"	"	26	"	"	"	"	"	34	"	"	"	"	"	42	"	"	"	"	"	"	"	50	"	"	2
5'-3"	23	"	"	"	"	"	"	"	"	28	"	"	"	"	"	36	"	"	"	"	"	44	"	"	"	"	"	"	"	52	"	"	2
5'-6"	23	"	"	"	"	"	"	"	"	28	"	"	"	"	"	36	"	"	"	"	"	44	"	"	"	"	"	"	"	52	"	"	2
5'-9"	25	"	"	"	"	"	"	"	"	30	"	"	"	"	"	38	"	"	"	"	"	46	"	"	"	"	"	"	"	54	"	"	2
6'-0"	25	"	"	"	"	"	"	"	"	30	"	"	"	"	"	38	"	"	"	"	"	46	"	"	"	"	"	"	"	54	"	"	3
7'-0"	29	"	"	"	"	"	"	"	"	34	"	"	"	"	"	42	"	"	"	"	"	50	"	"	"	"	"	"	"	58	"	"	3
8'-0"	31	"	"	"	"	"	"	"	"	36	"	"	"	"	"	44	"	"	"	"	"	52	"	"	"	"	"	"	"	60	"	"	4
9'-0"	35	"	"	"	"	"	"	"	"	40	"	"	"	"	"	48	"	"	"	"	"	56	"	"	"	"	"	"	"	64	"	"	5
10'-0"	38	"	"	"	"	"	"	"	"	42	"	"	"	"	"	50	"	"	"	"	"	58	"	"	"	"	"	"	"	66	"	"	5

SUMMARY OF QUANTITIES FOR STREET INLETS

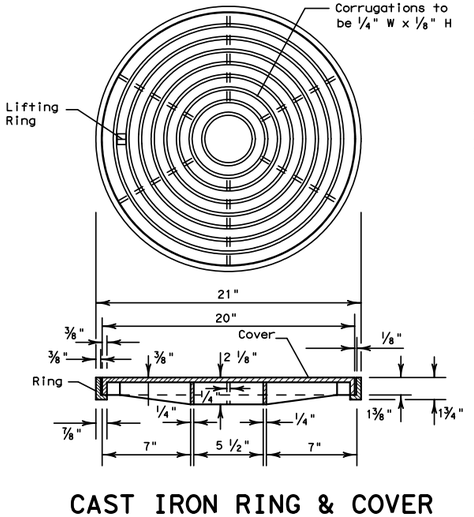
Depth "D"	5'-0" Opening "L"						10'-0" Opening "L"						15'-0" Opening "L"						20'-0" Opening "L"					
	Width 3'-0"		Width 4'-0"		Width 5'-0"		Width 3'-0"		Width 4'-0"		Width 5'-0"		Width 3'-0"		Width 4'-0"		Width 5'-0"		Width 3'-0"		Width 4'-0"		Width 5'-0"	
	Conc. C.Y.	Steel Lbs.	Conc. C.Y.	Steel Lbs.	Conc. C.Y.	Steel Lbs.	Conc. C.Y.	Steel Lbs.	Conc. C.Y.	Steel Lbs.	Conc. C.Y.	Steel Lbs.	Conc. C.Y.	Steel Lbs.	Conc. C.Y.	Steel Lbs.	Conc. C.Y.	Steel Lbs.	Conc. C.Y.	Steel Lbs.	Conc. C.Y.	Steel Lbs.	Conc. C.Y.	Steel Lbs.
3'-6"	2.62	306	2.95	332	3.28	373	4.12	479	4.64	521	5.20	564	5.69	667	6.40	721	7.10	775	7.20	846	8.11	909	9.03	976
3'-9"	2.70	309	3.04	341	3.39	373	4.25	494	4.78	536	5.34	579	5.87	687	6.58	741	7.30	796	7.42	874	8.34	937	9.27	1010
4'-0"	2.78	328	3.14	364	3.49	399	4.38	518	4.92	565	5.49	610	6.05	718	6.77	776	7.49	835	7.64	909	8.58	976	9.51	1046
4'-3"	2.87	334	3.23	370	3.59	406	4.51	526	5.06	573	5.64	619	6.22	729	6.95	787	7.69	847	7.87	922	8.81	990	9.75	1061
4'-6"	2.95	356	3.32	394	3.69	431	4.64	558	5.20	607	5.79	656	6.40	770	7.14	830	7.88	891	8.09	973	9.04	1043	9.99	1115
4'-9"	3.03	361	3.41	410	3.79	438	4.77	566	5.34	616	5.94	665	6.57	780	7.32	841	8.07	903	8.31	986	9.27	1056	10.23	1129
5'-0"	3.12	367	3.51	416	3.90	445	4.90	574	5.47	624	6.09	674	6.75	791	7.51	853	8.27	915	8.53	999	9.50	1070	10.47	1144
5'-3"	3.20	383	3.60	424	4.00	465	5.03	600	5.61	652	6.23	704	6.93	827	7.69	890	8.46	955	8.76	1044	9.73	1118	10.71	1194
5'-6"	3.28	389	3.69	430	4.10	472	5.16	608	5.75	661	6.38	713	7.11	837	7.88	901	8.66	967	8.98	1057	9.97	1131	10.95	1208
5'-9"	3.37	405	3.78	451	4.20	495	5.29	635	5.89	690	6.53	744	7.28	874	8.07	940	8.85	1007	9.20	1102	10.20	1178	11.19	1258
6'-0"	3.45	415	3.88	460	4.30	504	5.42	646	6.03	702	6.68	757	7.45	888	8.25	954	9.05	1022	9.42	1119	10.43	1196	11.43	1276
7'-0"	3.78	460	4.25	510	4.71	560	5.94	716	6.59	777	7.27	837	8.16	981	8.99	1053	9.82	1126	10.31	1237	11.35	1319	12.40	1404
8'-0"	4.12	496	4.62	550	5.12	604	6.46	770	7.14	834	7.86	899	8.86	1051	9.73	1129	10.60	1205	11.20	1325	12.28	1412	13.36	1510
9'-0"	4.45	545	4.99	605	5.53	664	6.97	842	7.70	912	8.46	982	9.56	1148	10.47	1231	11.38	1313	12.09	1447	13.21	1539	14.32	1631
10'-0"	4.78	582	5.36	645	5.93	708	7.49	900	8.11	974	9.05	1048	10.27	1227	11.21	1312	12.16	1399	12.98	1546	14.13	1642	15.29	1739



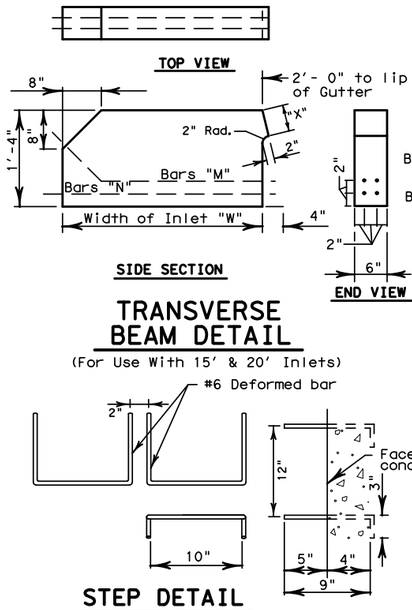
FRONT ELEVATION VIEW



PLAN VIEW



CAST IRON RING & COVER DETAIL

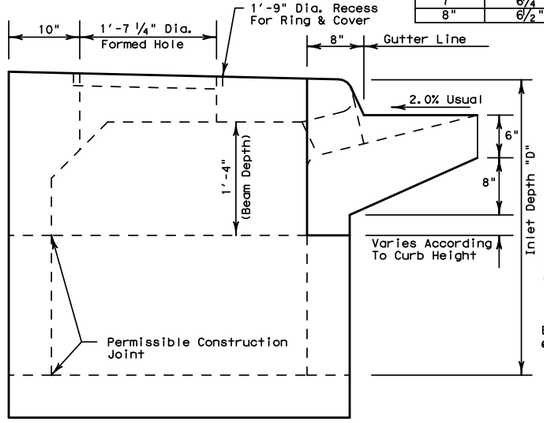


TRANSVERSE BEAM DETAIL

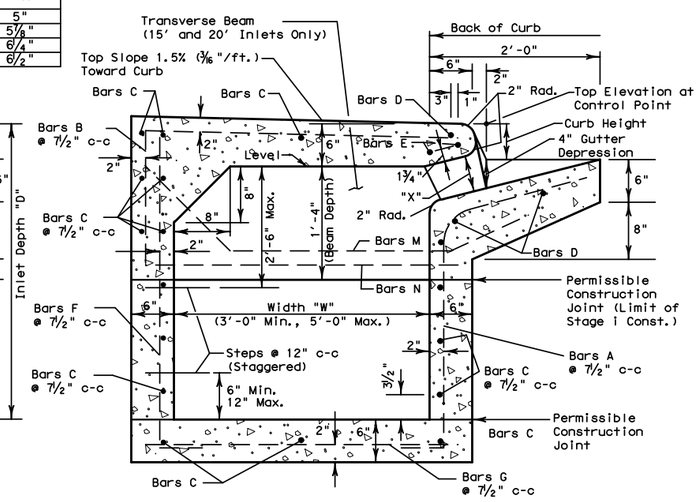
(For Use With 15' & 20' Inlets)

STEP DETAIL

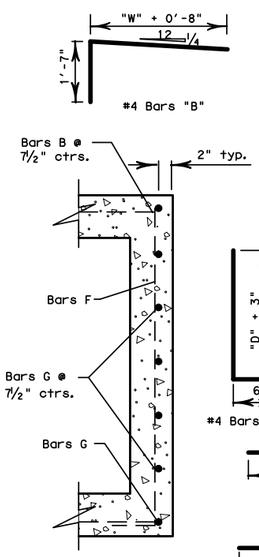
THROAT DIMENSION	
CURB HEIGHT	"X"
5"	5"
6"	5⅛"
7"	6¼"
8"	6½"



SIDE ELEVATION "A-A"

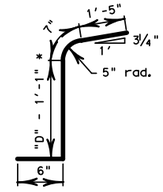


SECTION "B-B"



SECTION "C-C"

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



#4 Bars "A"

* Note: Dimension shown for 5" curb. Increase length by 1" for each additional 1" of curb height.

GENERAL NOTES

1. All concrete shall be Class "A".
2. Chamfer all exposed corners ¾" except where otherwise noted.
3. Dimensions related to reinforcing steel are to the centers of bars.
4. Field cut and bend bars as necessary to accommodate storm drain pipe.
5. Cast iron ring and cover shall conform to Item 471.
6. Depths other than those shown may be used whenever necessary, up to a maximum of 10'. Quantities for other depths limits may be found by interpolation.
7. During Stage 1 construction, inlets will not be constructed above subgrade elevation unless permission is granted by the Engineer.
8. A temporary wood cover shall be installed after Stage 1 is completed, and will remain in place until Stage 2 begins.
9. 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.
10. A sealed ½" expansion joint shall be placed along all vertical faces abutting concrete pavement. Class 3,4,5 or 7 joint sealant shall be used to seal joint.

LEVELS DISPLAYED

	1	2	3	4	5
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					

Texas Department of Transportation

DALLAS DISTRICT
TYPE 1
CURB INLET
FOR USE W/ 5" TO 8" BARRIER CURB
5',10',15' & 20' OPENINGS
3'-6" TO 10'-0" DEPTHS &
3',4' & 5' WIDTHS

CI(1)-02(DAL)

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

Std 1

REVISED ON 9/10/08

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