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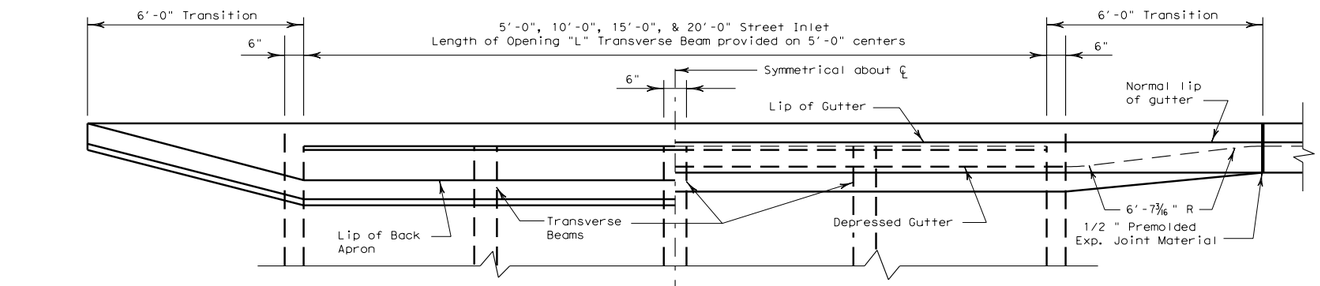
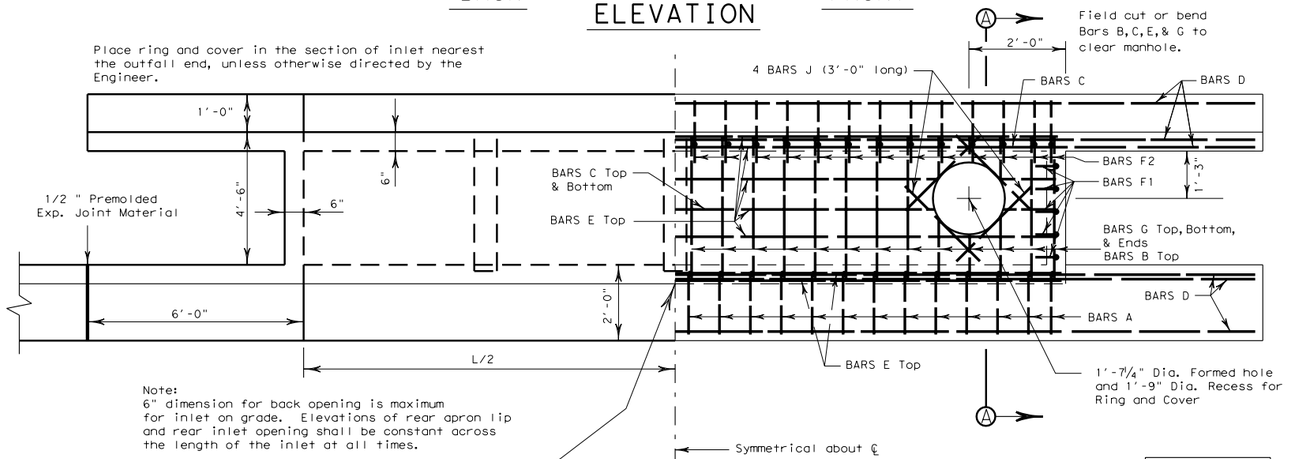
http://www.dot.state.tx.us/ftw/specinfo/standard.htm ci4ob02fw.dgn

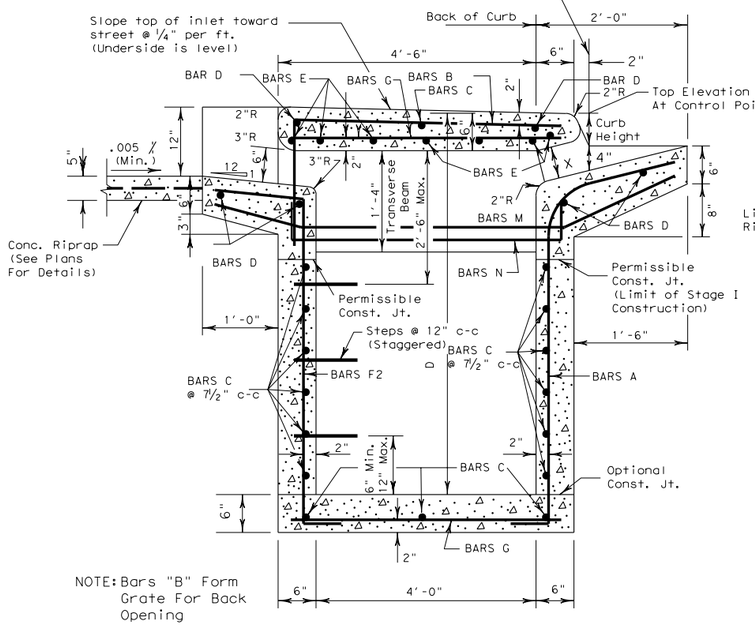
LEVELS DISPLAYED 1

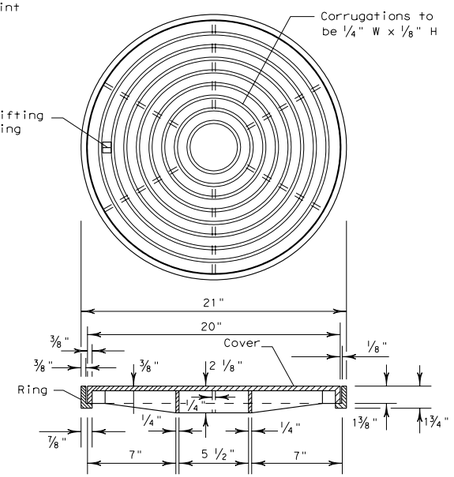




Note:
Front & rear aprons, curbs, and top to be constructed during Stage II.

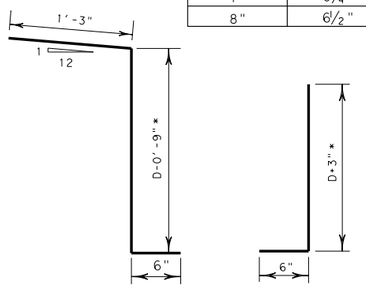
CONC REDUCT TABLE	
Dia.	C.Y.
18"	0.05
24"	0.09
30"	0.14
36"	0.20
42"	0.26
48"	0.36

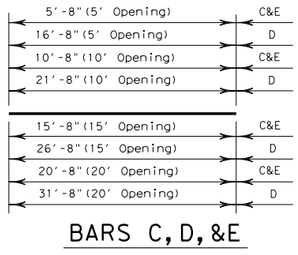




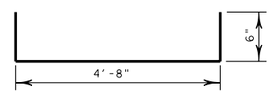
CAST IRON RING & COVER DETAIL

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





BARS C, D, &E



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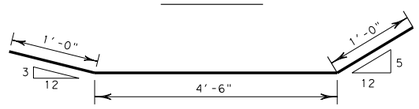
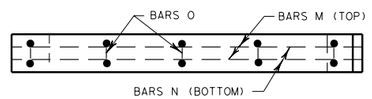
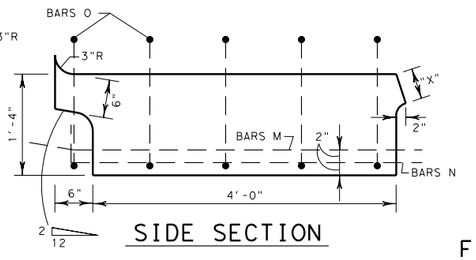


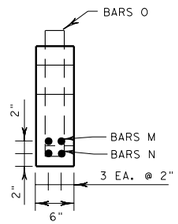
BARS M



TOP VIEW



SIDE SECTION



FRONT VIEW

TRANSVERSE BEAM DETAIL
(Beams Provided On 5'-0" Centers)

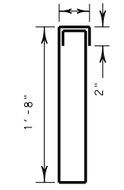
20' Street Inlet 'D'=4.00' (Includes 3 Transverse Beams)												
Bars	M	N	O	A*	B	C	D	E	F1*	F2*	G	J
Number	6	6	15	34	34	12	6	7	16	34	80	4
Size	#4	#4	#4	#4	#4	#4	#4	#6	#4	#4	#4	#4
Spacing	-	-	12"	7 1/2"	7 1/2"	-	-	-	7 1/2"	7 1/2"	7 1/2"	-
Length	6'-6"	5'-6"	4'-5"	5'-5"	6'-4"	20'-8"	31'-8"	20'-8"	4'-9"	5'-0"	4'-8"	3'-0"
Weight	26	22	44	123	144	166	127	217	51	114	249	8
				Totals		Steel=1291 Lbs.			Conc.=9.25 C.Y.			
For Depth over 4'	Steel=1291 Lbs. +110.3 Lbs/LF					Conc.=9.21 C.Y. +0.926 CY/LF						

15' Street Inlet 'D'=4.00' (Includes 2 Transverse Beams)												
Bars	M	N	O	A*	B	C	D	E	F1*	F2*	G	J
Number	4	4	10	26	26	12	6	7	16	26	64	4
Size	#4	#4	#4	#4	#4	#4	#4	#6	#4	#4	#4	#4
Spacing	-	-	12"	7 1/2"	7 1/2"	-	-	-	7 1/2"	7 1/2"	7 1/2"	-
Length	6'-6"	5'-6"	4'-5"	5'-5"	6'-4"	15'-8"	26'-8"	15'-8"	4'-9"	5'-0"	4'-8"	3'-0"
Weight	17	15	30	94	110	126	107	165	51	87	200	8
				Totals		Steel=1010 Lbs.			Conc.=7.38 C.Y.			
For Depth over 4'	Steel=1010 Lbs. +93.9 Lbs/LF					Conc.=7.38 C.Y. +0.741 CY/LF						

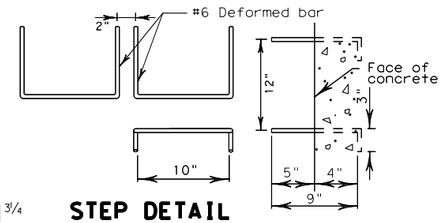
10' Street Inlet 'D'=4.00' (Includes 1 Transverse Beam)												
Bars	M	N	O	A*	B	C	D	E	F1*	F2*	G	J
Number	2	2	5	18	18	12	6	7	16	18	48	4
Size	#4	#4	#4	#4	#4	#4	#4	#6	#4	#4	#4	#4
Spacing	-	-	12"	7 1/2"	7 1/2"	-	-	-	7 1/2"	7 1/2"	7 1/2"	-
Length	6'-6"	5'-6"	4'-5"	5'-5"	6'-4"	10'-8"	21'-8"	10'-8"	4'-9"	5'-0"	4'-8"	3'-0"
Weight	9	7	15	65	76	86	87	112	51	60	150	8
				Totals		Steel=726 Lbs.			Conc.=5.55 C.Y.			
For Depth over 4'	Steel=726 Lbs. +67. Lbs/LF					Conc.=5.55 C.Y. +0.556 CY/LF						

5' Street Inlet 'D'=4.00'									
Bars	A*	B	C	D	E	F1*	F2*	G	J
Number	10	10	12	6	7	16	10	34	4
Size	#4	#4	#4	#4	#6	#4	#4	#4	#4
Spacing	7 1/2"	7 1/2"	-	SHOWN	-	7 1/2"	7 1/2"	7 1/2"	-
Length	5'-5"	6'-4"	5'-8"	16'-8"	5'-8"	4'-9"	5'-0"	4'-8"	3'-0"
Weight	36	42	46	67	60	50	33	106	8
			Totals		Steel=448 Lbs.		Conc.=3.72 C.Y.		
For Depth over 4'	Steel=448 Lbs. +46.2 Lbs./LF					Conc.=3.72 C.Y. +0.370 CY/LF			

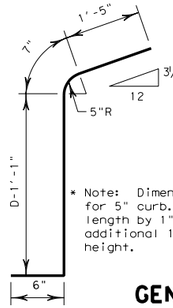
Note: Maximum Depth of Inlet Shall Be 10'.



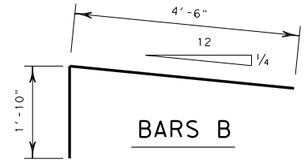
BARS O



STEP DETAIL



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



BARS B

BARS A

GENERAL NOTES

1. All concrete shall be Class "A".
2. Chamfer all exposed corners 3/4" 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. During Stage I construction, inlets will not be constructed above subgrade elevation unless permission is granted by the Engineer.
7. A temporary wood cover shall be installed after Stage 1 is completed, and will remain in place until Stage 2 begins.
8. 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.
9. A sealed 1/2" 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.

Texas Department of Transportation
FORT WORTH DISTRICT
TYPE 4 CURB INLET
6" OPEN BACK INLET
FOR USE W/ 5" TO 8" BARRIER CURB
5',10',15' & 20' OPENINGS

CI(4)(OB)-02(FW)

FED.RD. DIV.NO.	PROJECT NO.	SHEET NO.
6		

STATE	DIST.	COUNTY	
TEXAS	FW		
CONT.	SECT.	JOB	HIGHWAY NO.

New August 2002

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