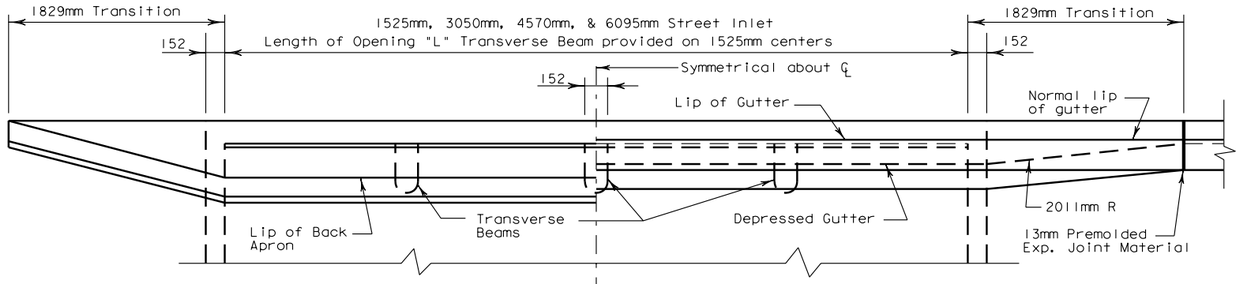
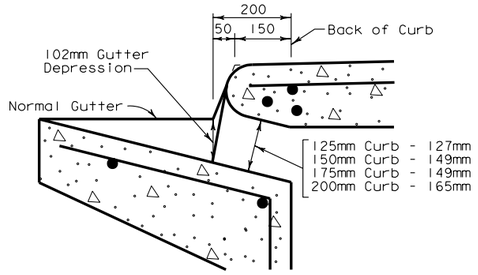




FRONT THROAT DETAIL

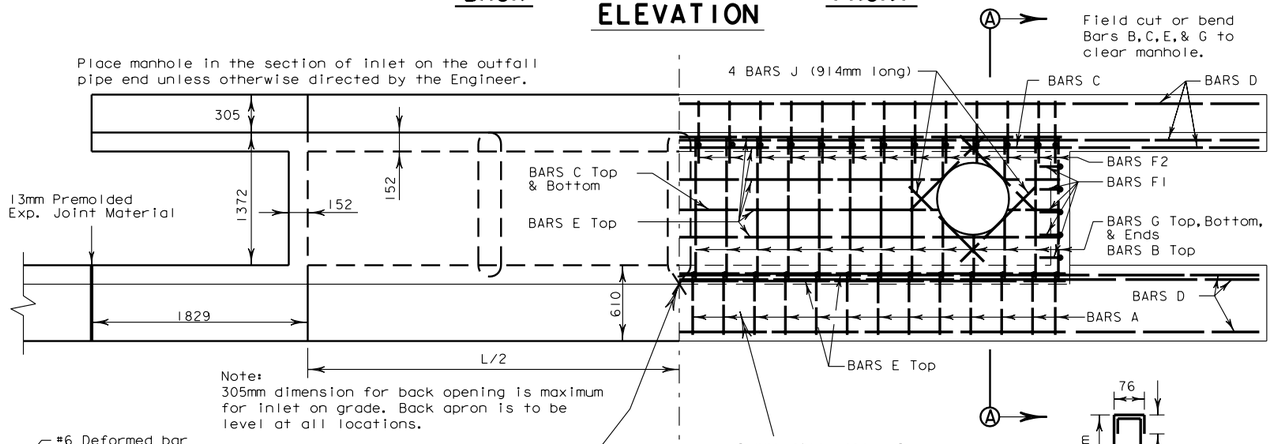
BARS C, D, & E	
1727mm (1525mm Opening)	C&E
5080mm (1525mm Opening)	D
3251mm (3050mm Opening)	C&E
6604mm (3050mm Opening)	D
4775mm (4570mm Opening)	C&E
8128mm (4570mm Opening)	D
6299mm (6095mm Opening)	C&E
9652mm (6095mm Opening)	D

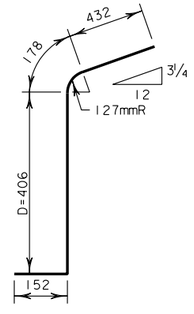
1525mm Street Inlet 'C'=1220mm									
Bars	A*	B	C	D	E	F1*	F2*	G	J
Number	10	10	9	6	7	16	10	29	4
Size	#4	#4	#4	#4	#6	#4	#4	#4	#4
Spacing	191	191	191	Shown	—	191	191	191	—
Length	1422	1930	1727	5080	1727	1168	1041	1422	914
Weight	14	19	15	30	27	19	10	41	4
*Variable with Depth Totals					Steel=179 kg		Conc.=2.44 m³		
Depth over 1220mm	Steel=179 kg + 68.8 kg/m					Conc.=2.44 m³ + 0.928 m³/m			

3050mm Street Inlet 'C'=1220mm (Includes 1 Transverse Beam)												
Bars	M	N	O	A*	B	C	D	E	F1*	F2*	G	J
Number	2	2	5	18	18	9	6	7	16	18	30	4
Size	#4	#4	#4	#4	#4	#4	#4	#6	#4	#4	#4	#4
Spacing	—	—	305	191	191	191	—	—	191	191	191	—
Length	1803	1905	1321	1422	1930	3251	6604	3251	1168	1041	1422	914
Weight	4	4	6	25	34	29	39	51	19	19	43	4
*Variable with Depth			Totals			Steel=276 kg				Conc.=3.50 m³		
Depth over 1220mm			Steel=276 kg + 100.5 kg/m						Conc.=3.50 m³ + 1.395 m³/m			

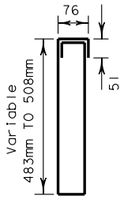
4570mm Street Inlet 'C'=1220mm (Includes 2 Transverse Beams)												
Bars	M	N	O	A*	B	C	D	E	F1*	F2*	G	J
Number	4	4	10	26	26	9	6	7	16	26	38	4
Size	#4	#4	#4	#4	#4	#4	#4	#6	#4	#4	#4	#4
Spacing	—	—	305	191	191	191	Shown	—	191	191	191	—
Length	1803	1905	1321	1422	1930	4775	8128	4775	1168	1041	1422	914
Weight	7	8	13	37	50	43	48	75	19	27	54	4
*Variable with Depth			Totals			Steel=383 kg				Conc.=4.53 m³		
Depth over 1220mm			Steel=383 kg + 139.7 kg/m						Conc.=4.53 m³ + 1.859 m³/m			

6095mm Street Inlet 'C'=1220mm (Includes 3 Transverse Beams)												
Bars	M	N	O	A*	B	C	D	E	F1*	F2*	G	J
Number	6	6	15	34	34	9	6	7	16	34	46	4
Size	#4	#4	#4	#4	#4	#4	#4	#6	#4	#4	#4	#4
Spacing	—	—	305	191	191	191	—	—	191	191	191	—
Length	1803	1905	1321	1422	1930	6299	9652	6299	1168	1041	1422	914
Weight	11	11	20	48	65	56	57	98	19	35	65	4
*Variable with Depth			Totals			Steel=489 kg				Conc.=5.59 m³		
Depth over 1220mm			Steel=489 kg + 164.2 kg/m						Conc.=5.59 m³ + 2.323 m³/m			

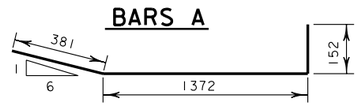




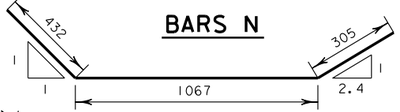
BARS A



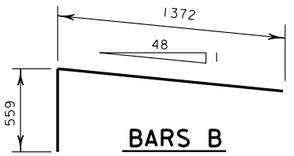
BARS O



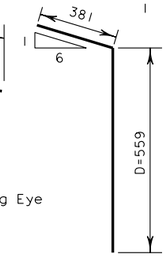
BARS N



BARS M

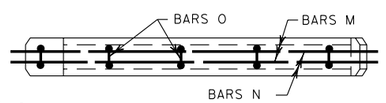


BARS B

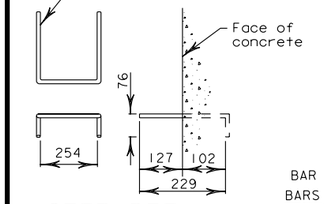


BARS F2

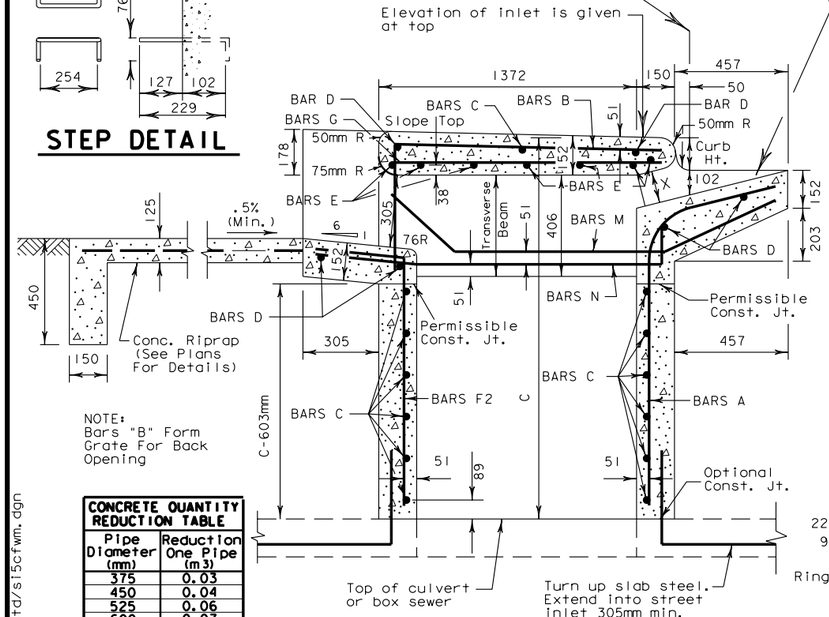
BARS F1



TOP VIEW

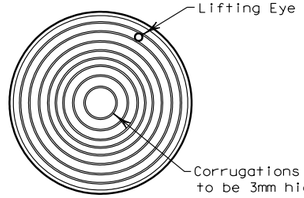


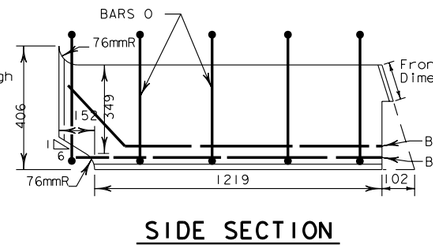
STEP DETAIL



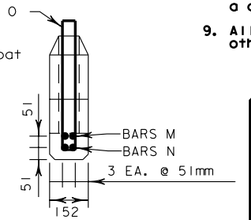
SECTION A-A

CAST IRON RING & COVER DETAIL





SIDE SECTION



END VIEW

TRANSVERSE BEAM DETAIL

(Beams Provided On 1524mm Centers)

CONCRETE QUANTITY REDUCTION TABLE	
Pipe Diameter (mm)	Reduction One Pipe (m3)
375	0.03
450	0.04
525	0.06
600	0.07
675	0.08
750	0.11
825	0.13
900	0.15
1050	0.20
1200	0.27

GENERAL NOTES

1. All concrete shall be Class "A" concrete.
2. Chamfer all exposed corners 19mm except where otherwise noted.
3. Dimensions related to reinforcing steel are to the center of bars.
4. Cast iron ring and cover shall conform to TxDOT Item 471.
5. Any depth other than those shown may be used wherever deemed necessary. Quantities for other depths falling within the limits of the table may be found by interpolation.
6. During Stage I construction, inlets will not be constructed above subgrade elevation unless so permitted by the Engineer.
7. A temporary wood cover shall be installed after Stage I is completed and will remain in place until Stage 2 begins.
8. Control point coordinates are to the face of the curb at a distance of L/2 from the end of the inlet.
9. All dimensions shown are in millimeters unless otherwise shown.

REVISIONS:

Texas Department of Transportation

OPEN-BACK STREET INLET (305mm BACK OPENING)

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SI-5-C(FW)(M)

ORIG DRAW DATE: MAR. 1996	DESIGN:	FED.REG.	STATE	FEDERAL AID PROJ NO.			HIGHWAY
	CHECKED:	6	TEXAS				
	DRAWN:	DISTRICT	COUNTY	CONTROL	SECTION	JOB	SHEET
	CHECKED:	FTW					

/public/metstd/si5cfwm.dgn