



STEEL SCHEDULE

BAR	a ₁	a ₂	a ₃	a ₄				b ₂	b ₃	b ₄	WT. kg	
				#1.321m	#1.828m	#1.321m	#2.235m					#2.540m
NUMBER	4	2	1	3	5	7	9	6	1	1		
SIZE	#M13	#M13	#M13	#M13	#M13	#M13	#M13	#M13	#M13	#M19		
LENGTH	W=1.321m	1.702m	2.007m	1.213m	1.854m	-	-	-	533mm	1.800m	1.422m	27±
	W=1.626m	2.311m	2.616m	1.524m	-	1.854m	-	-	533mm	1.800m	1.422m	37±
	W=1.930m	2.921m	3.226m	1.829m	-	-	1.854m	-	533mm	1.800m	1.422m	46±
	W=2.235m	3.531m	3.835m	2.134m	-	-	-	1.854m	-	533mm	1.800m	55±
	W=2.540m	4.142m	4.445m	2.438m	-	-	-	1.854m	533mm	1.800m	1.422m	64±

Note: a₁ Bars to be Placed Approx. 51mm Below Top of Inlet Cover.

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. M. CONC.
1.321m	1.118m x 1.930m x 2.286m	533mm & SMALLER	0.29±
1.626m	1.422m x 1.930m x 2.286m	610mm & 762mm	0.39±
1.930m	1.727m x 1.930m x 2.286m	914mm & 1.067m	0.49±
2.235m	2.032m x 1.930m x 2.286m	1.219m & 1.372m	0.59±
2.540m	2.337m x 1.930m x 2.286m	1.524m & 1.676m	0.69±

GENERAL NOTES

- Concrete tops to be installed on thin mortar cushion to insure full support along brick walls. Concrete tops may be cast in place or precast. Concrete used for inlet construction shall be concrete pavement mix.
- Contractor shall have the option of constructing 20.3mm brick masonry walls between the concrete inlet base and top on this inlet when W=1.930m and H=2.134m or less.
- Inlet invert shall be shaped with a sack sand mix concrete to create flow channels and to increase hydraulic efficiency such that the inlet will be self cleaning between all inlet and/or outlet pipes.
- The ends of all pipes installed in inlets shall be cut off flush with the inside face of the inlet wall.

Concrete shall be C.O.W. standard paving mix. All exposed edges shall be finished with an edging tool. Reinforcing bars shall be field bent or cut to clear pipes and inlet rings. All bars are #M13 bars @ 152mm spacing and shall have a minimum clearance of 38mm unless otherwise noted. Floors of inlet shall be shaped with a sack sand mix concrete to increase hydraulic efficiency such that the inlet will be self cleaning between all inlet and/or outlet pipe(s).

Concrete tops to be installed on thin mortar cushion to insure full support along walls. Concrete tops may be cast in place or precast.

The ends of all pipes installed in inlets shall be cut off flush with the inside face of the inlet wall.

See Pavement Underdrain Detail, Sheet 13.

DESIGN	DATE	QTY PROJECT NUMBER	BAUGHMAN PROJECT NUMBER
C.O.W.	JULY 99	472-78-245-82910	98-01-E985
DRAWN	SCALE	APPROVED	DIRECTOR
STAFF	NONE	JFB	F.M. MCCLINTOCK
			DR. J. J. MCGEE

CITY OF WICHITA, KANSAS
STANDARD TYPE 1 SINGLE CURB INLET DETAILS
 INLET OPENING - 152mm x 1.524m

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Revised - Dec. 21, 1984

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