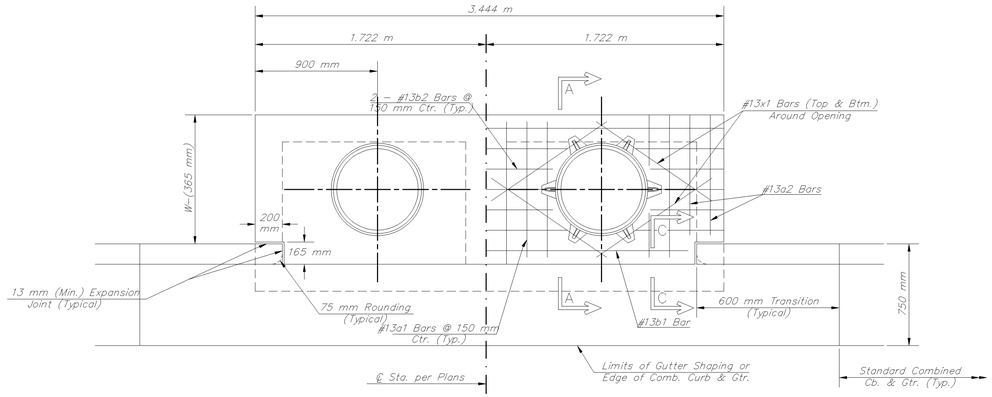
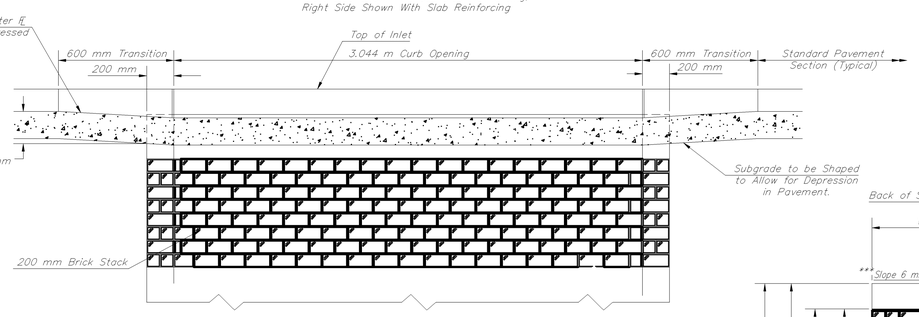
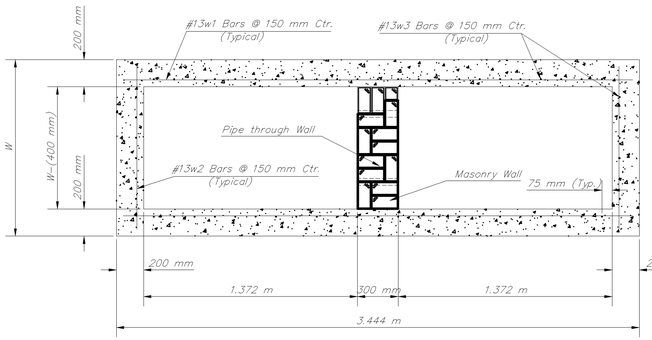


PLAN

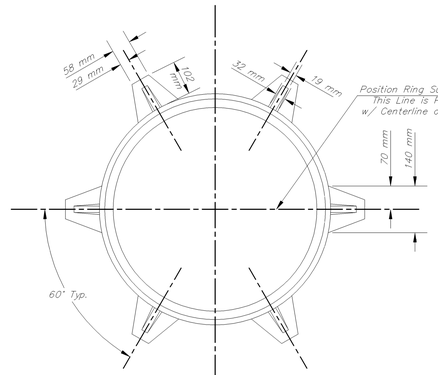
*Left Side Shown Without Slab Reinforcing, Right Side Shown With Slab Reinforcing



ELEVATION



SECTION B–B



Inlet Frame Weight = 81.7 kg.

MANHOLE RING AND COVER

*See City of Wichita Standard Manhole Ring and Cover Detail Sheet for Cover Details to Be Used With Inlet Frame.

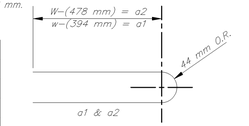
PRECAST SLAB AND FLOOR REINFORCING										
		W = 1.319 m		W = 1.624 m		W = 1.929 m		W = 2.234 m		W = 2.538 m	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
a1	#13	13	2.004 m	13	2.613 m	13	3.223 m	13	3.833 m	13	4.442 m
* a2	#13	4	1.829 m	4	2.438 m	4	3.048 m	4	3.658 m	4	4.267 m
a3	#13	23	1.244 m	23	1.549 m	23	1.854 m	23	2.159 m	23	2.463 m
b1	#13	1	2.968 m	1	2.968 m	1	2.968 m	1	2.968 m	1	2.968 m
* b2	#13	23	3.378 m	29	3.378 m	35	3.378 m	41	3.378 m	47	3.378 m
x1	#13	16	1.164 m	16	1.270 m	16	1.369 m	16	1.469 m	16	1.574 m
WALL REINFORCING											
		W = 1.319 m		W = 1.624 m		W = 1.929 m		W = 2.234 m		W = 2.538 m	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
w1	#13	①	3.378 m	①	3.378 m	①	3.378 m	①	3.378 m	①	3.378 m
w2	#13	①	1.244 m	①	1.549 m	①	1.854 m	①	2.159 m	①	2.463 m
w3	#13	52	②	56	②	60	②	64	②	68	②

* Field Bend or Cut Reinforcing as Required for Clearance.

① 4 (HI – 300 mm); (HI – 300 mm) Rounded down to nearest 150 mm.

② HI – 75 mm

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. M CONC.
1.319 m	1.119 m x 3.444 m x 190 mm	525 mm & SMALLER	0.63±
1.624 m	1.424 m x 3.444 m x 190 mm	600 mm & 750 mm	0.83±
1.929 m	1.729 m x 3.444 m x 190 mm	900 mm & 1.050 m	1.03±
2.234 m	2.034 m x 3.444 m x 190 mm	1.200 mm & 1.350 m	1.23±
2.538 m	2.338 m x 3.444 m x 190 mm	1.500 m & 1.650 m	1.43±



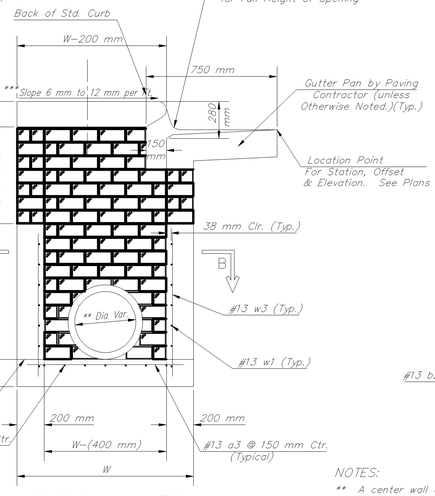
BENDING DIAGRAM

GENERAL NOTES:

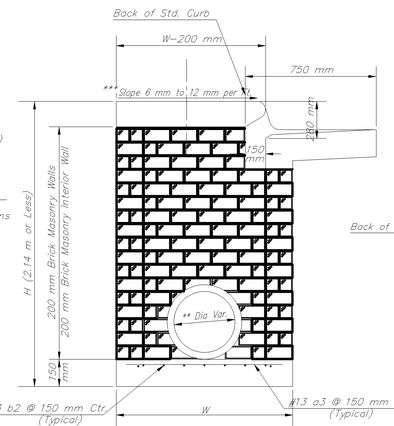
Concrete shall be C.O.W. standard paving mix. All exposed edges shall be finished with an edging tool. Reinforcing bars shall be field bent or cut to clear pipes and inlet rings. All bars are #13 bars @ 150 mm spacing and shall have a minimum clearance of 38 mm unless otherwise noted. Floors of inlet shall be shaped with 8 sack sand mix concrete to increase hydraulic efficiency such that the inlet will be self cleaning between all inlet and/or outlet pipe(s). The contractor will be required to construct 200 mm brick masonry walls between the inlet base and top on this inlet when H=2.14 m or less and W=1.93 m or less. When W is greater than 1.93 m and H is less than 2.14 m, the outside inlet walls below the brick stack shall be reinforced concrete construction.

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.

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



TYPICAL INLET SECTION AT CENTER WALL (REINFORCED CONCRETE WALLS)

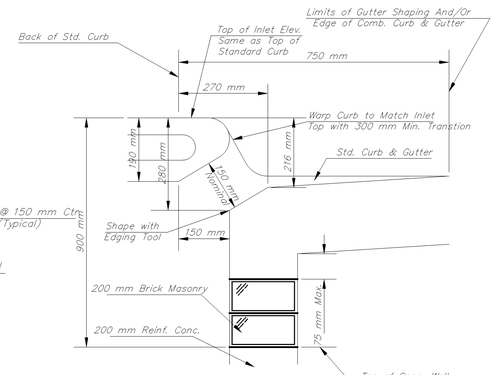


TYPICAL INLET SECTION AT CENTER WALL (MASONRY WALLS)

NOTES:

** A center wall opening shall be provided by means of a section of reinforced concrete pipe. See Case I and Case II below.

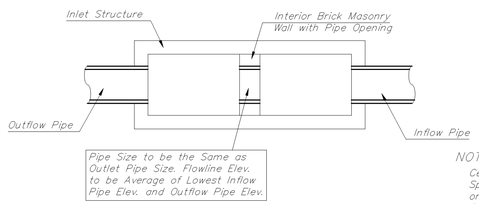
*** Slope of inlet tops to match sidewalk of parking slopes within limits indicated



SECTION C–C

NOTE:

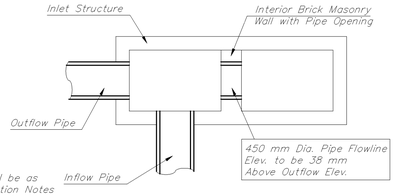
All dimensions shown without a SI suffix are in millimeters.



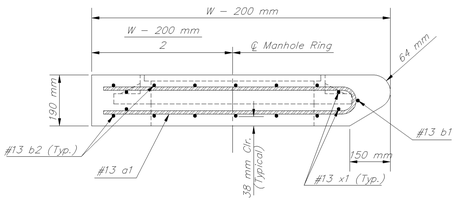
CASE I

NOTE:

Center Wall Pipe Size shall be as Specified in Inlet Construction Notes on the Plan/Profile Sheets for those Cases not Shown Here.



CASE II



SECTION A–A

THE CITY OF WICHITA

CITY ENGINEER'S OFFICE
CITY HALL – SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202
(316) 268-4501
(316) 268-4114 FAX

STANDARD TYPE 1 CURB INLET

OPENING = 150 mm x 3 m

M. E. LINDEBAK P.E. – CITY ENGINEER

PROJECT NUMBER	INDEX CODE
XXX–XXXXX	XXXXXX
DATE: MAR 96	SHEET 21 OF 60

STYP1-D.DWG

J:\00011ph2\ARMOUR NORTH\21 1-Styp1-d.dwg 8/25/2004 4:02:08 PM CDT