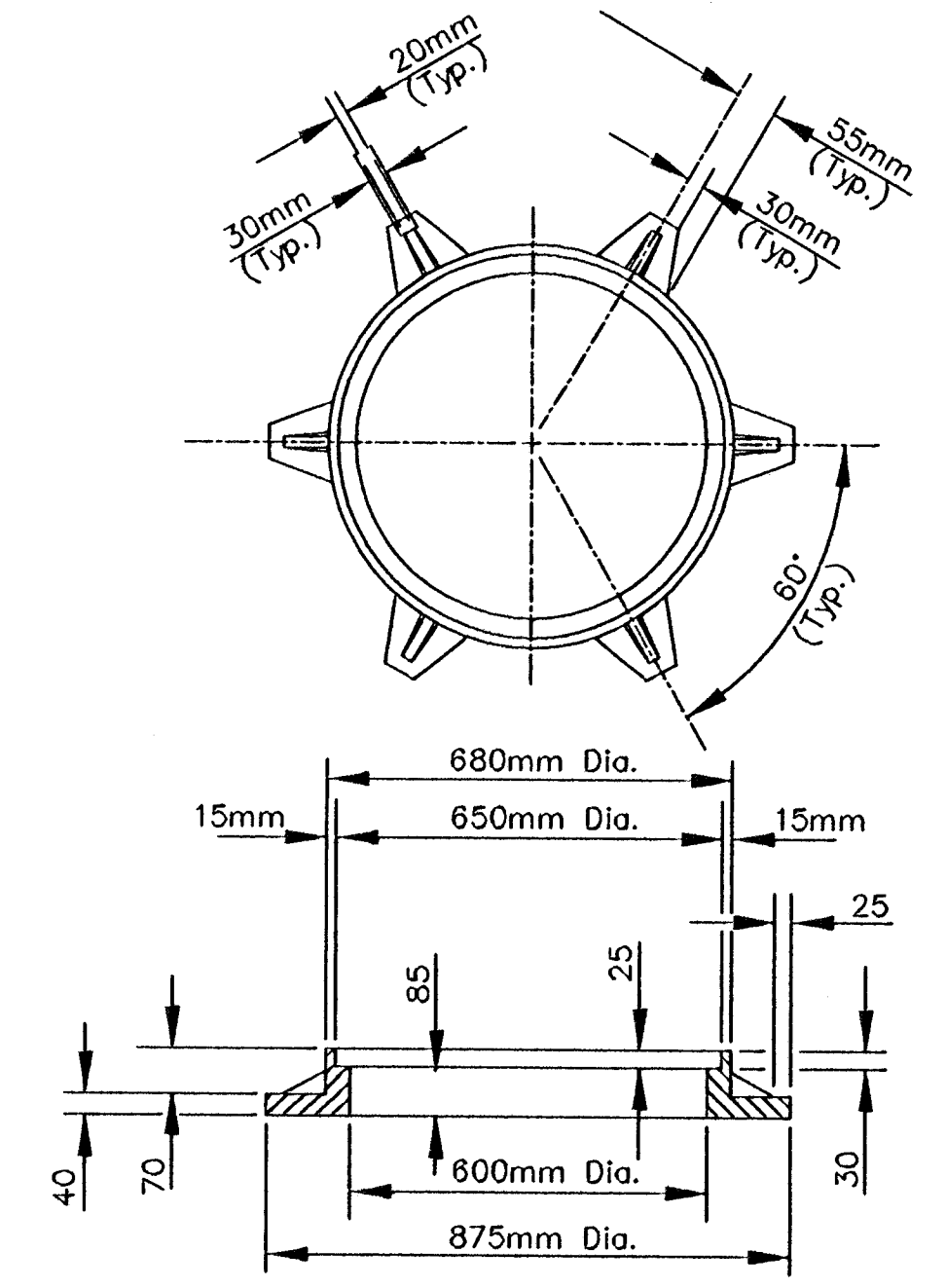


FHWA REG. NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0199-01	2002	106	158

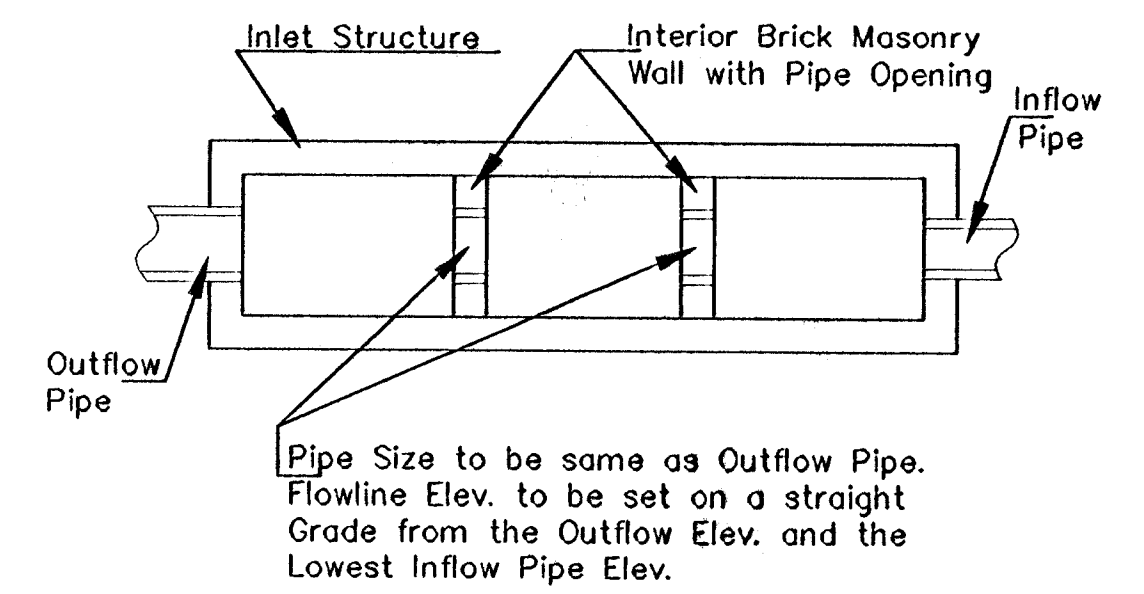
FED. AID NO. CMQ-N019(901)



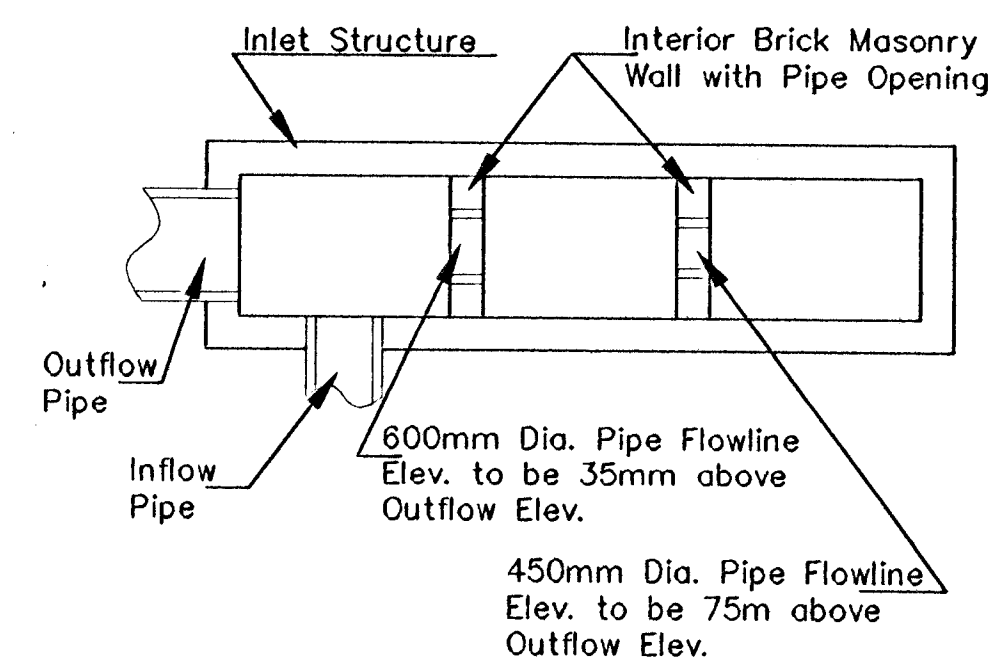
CAST IRON MANHOLE RING

Wt. 81.7 kg

See City of Wichita Standard Manhole Frame and Cover Detail Sheet for Cover Details to be used with Inlet Frame.



CASE I



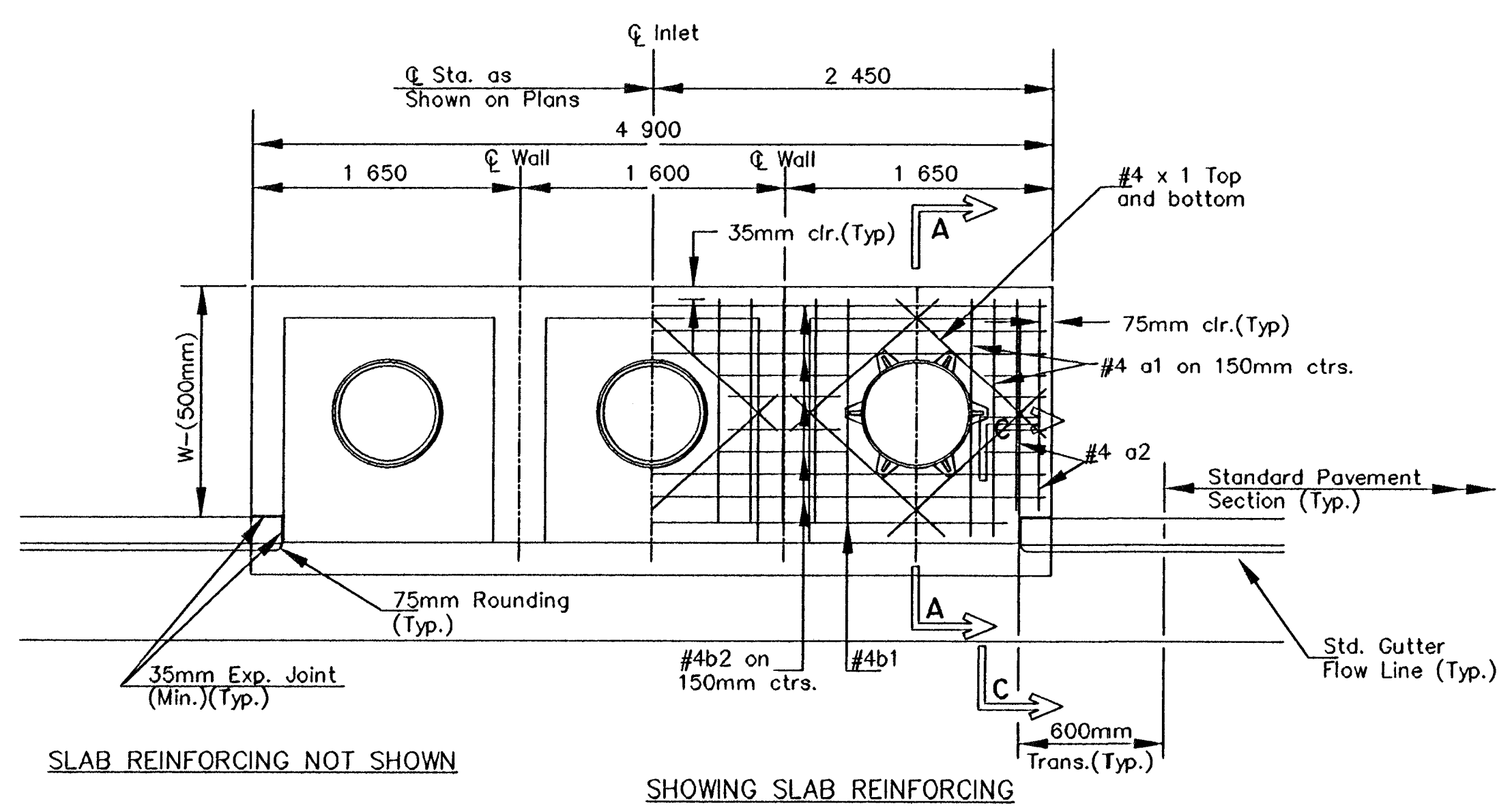
CASE II

NOTE: Interior Wall Pipe Size shall be as specified in the Inlet Construction Note on the Plan/Profile Sheets for those Cases not shown here.

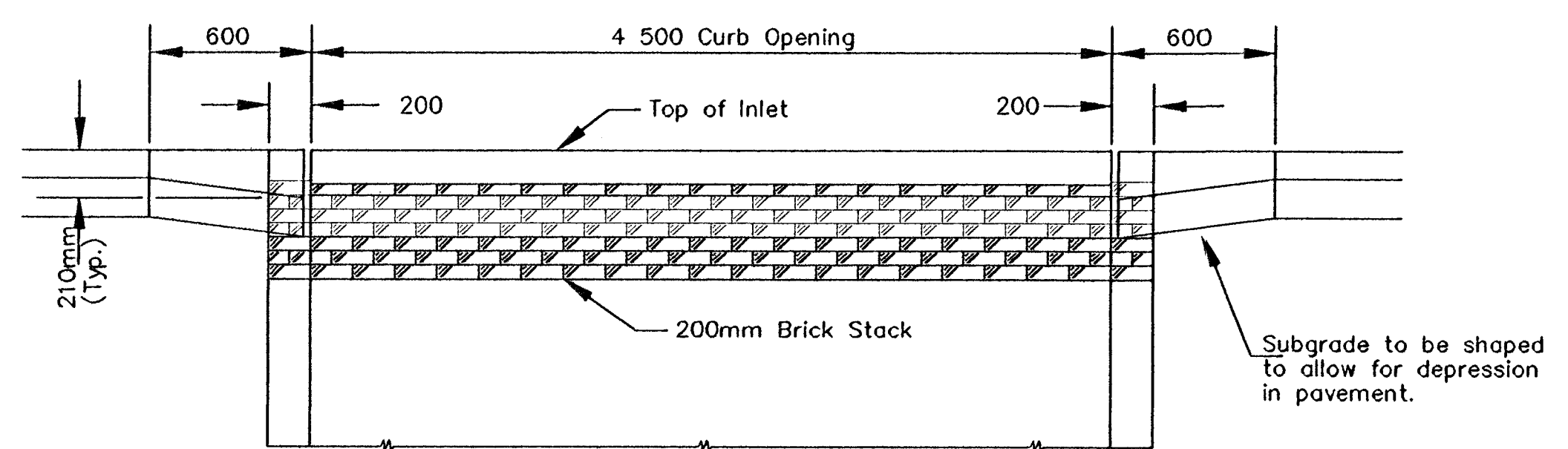
STANDARD TYPE 1 CURB INLET

OPENING = 150mm x 4 500mm

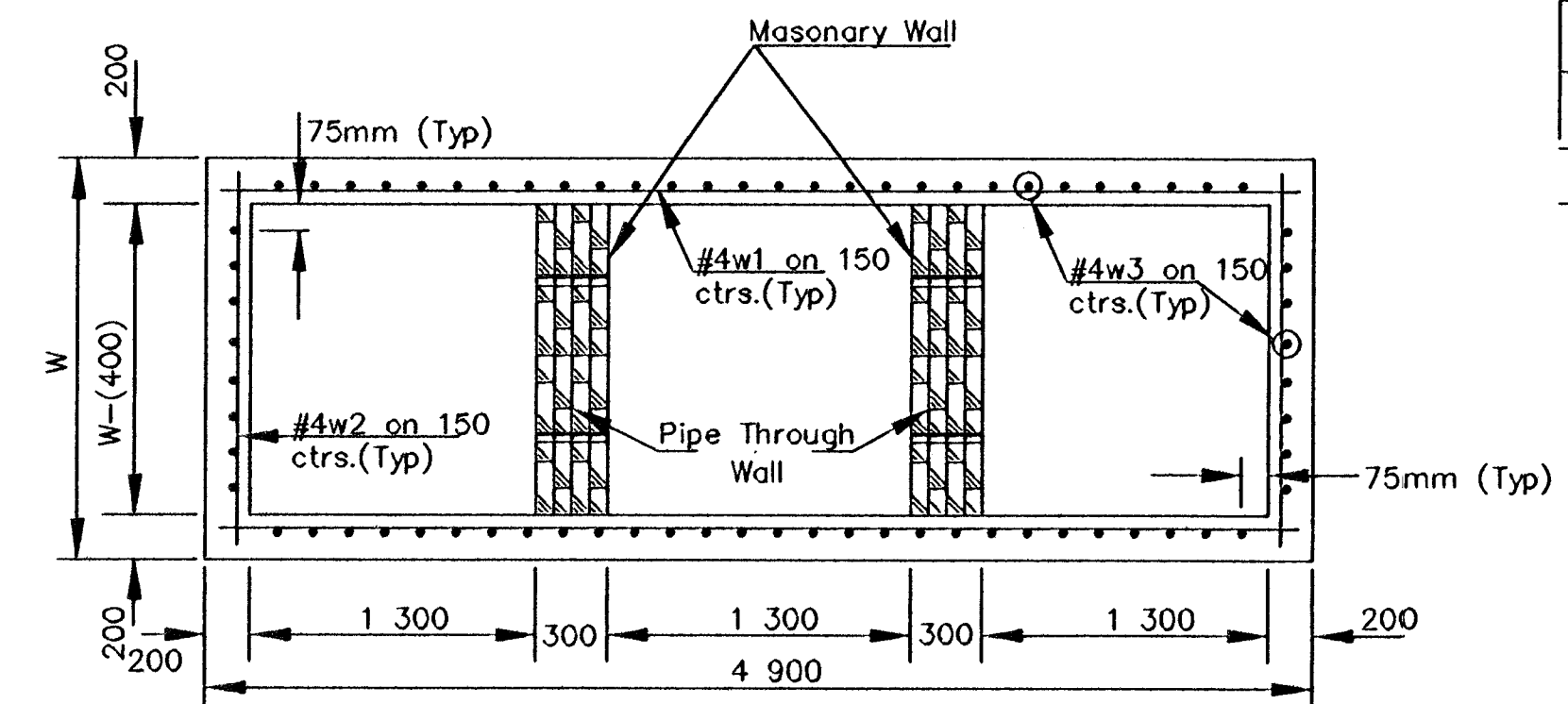
HWS Consulting Group Inc.
 Omaha Office
 10844 Old Mill Rd., Ste 1
 Omaha, NE 68154
 Phone: (402) 331-3792
 Fax: (402) 331-2248
 Designed By: BWE Checked By: RJL



PLAN



ELEVATION



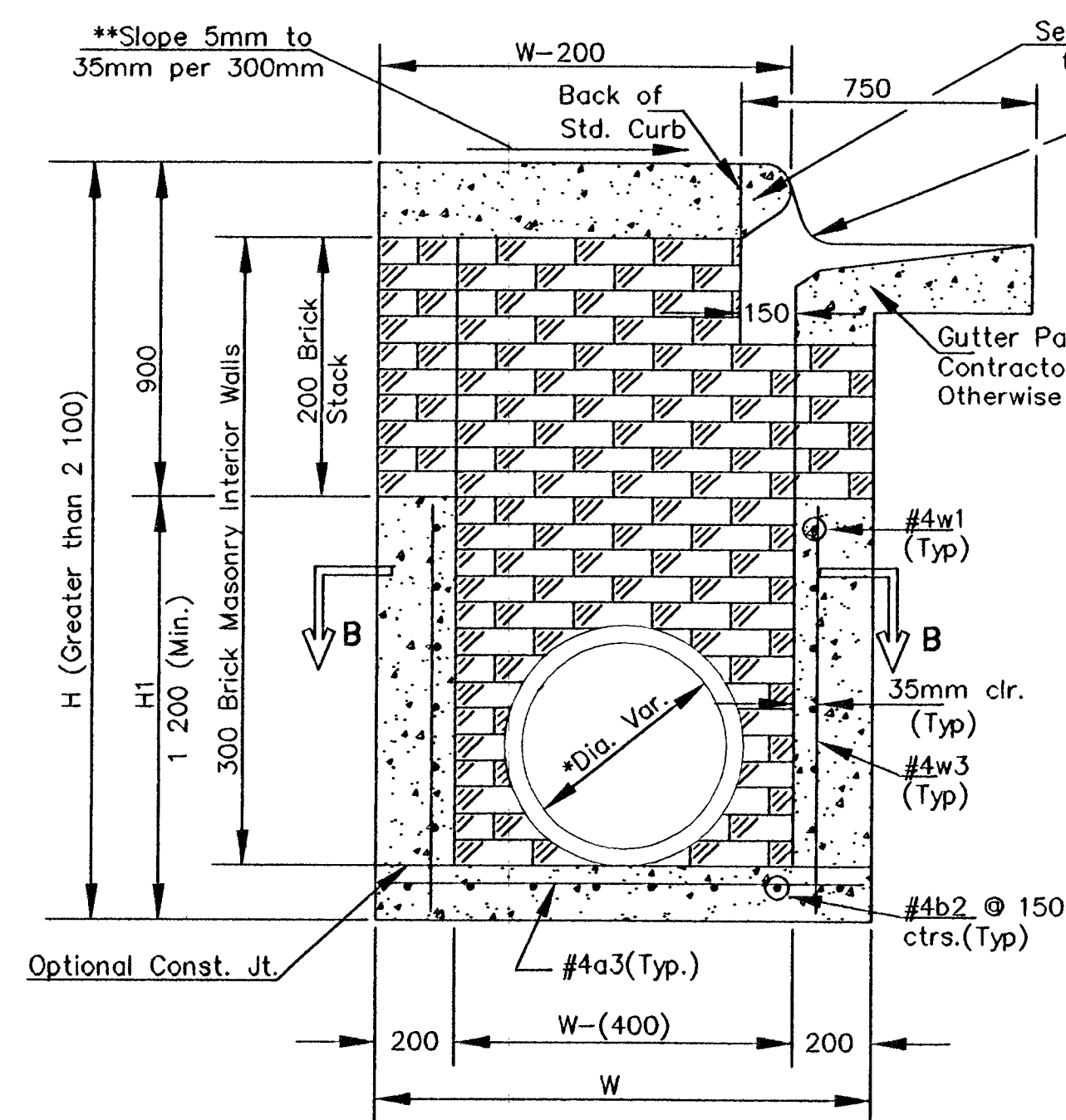
SECTION B-B

PRECAST SLAB AND FLOOR REINFORCING											
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
?a1	#4	20	1 975	20	2 575	20	3 175	20	3 775	20	4 375
a2	#4	4	1 800	4	2 400	4	3 000	4	3 600	4	4 200
a3	#4	33	1 225	33	1 525	33	1 825	33	2 125	33	2 425
b1	#4	1	4 425	1	4 425	1	4 425	1	4 425	1	4 425
?b2	#4	23	4 825	29	4 825	35	4 825	41	4 825	47	4 825
x1	#4	24	1 150	24	1 250	24	1 350	24	1 450	24	1 550

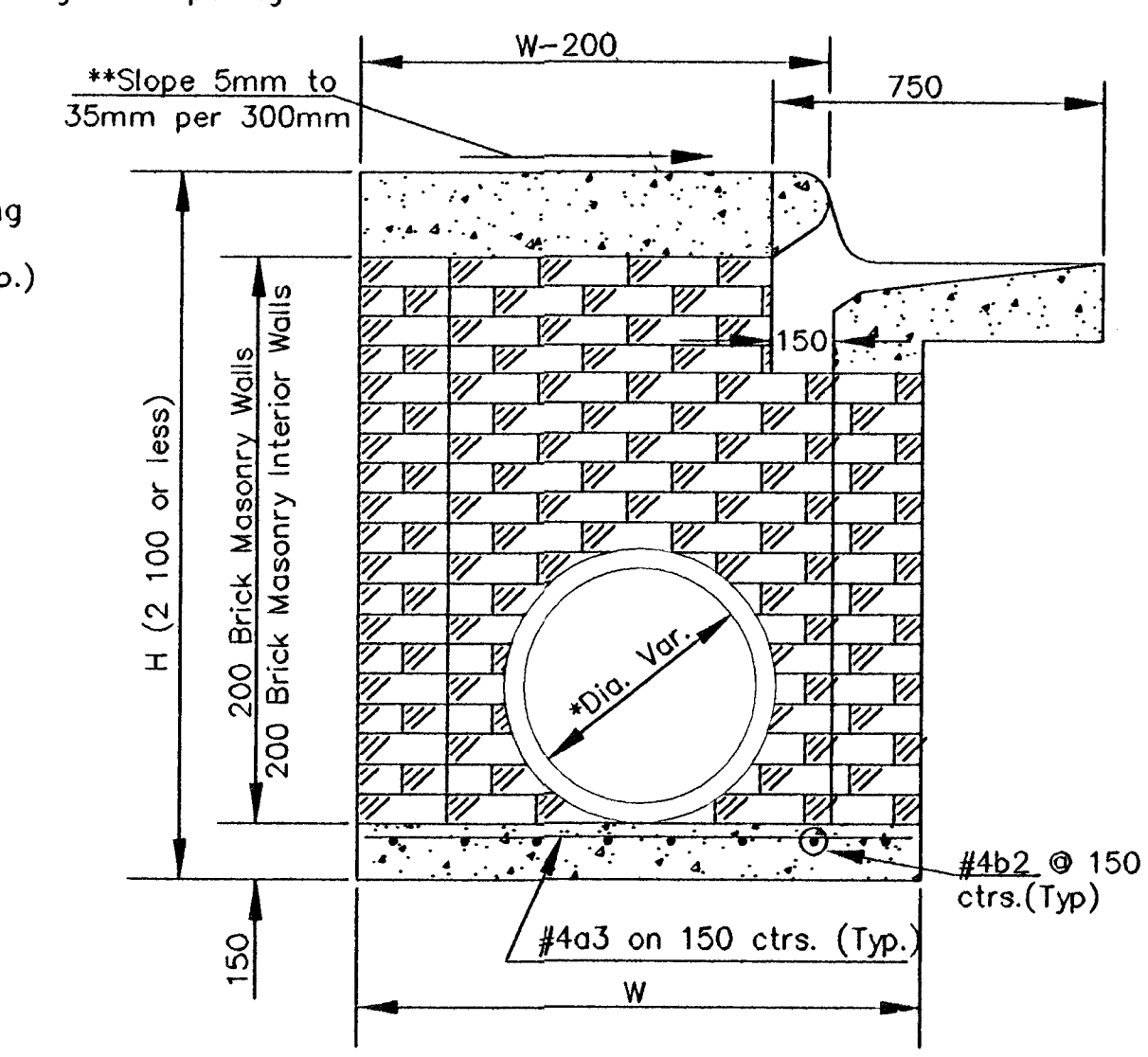
WALL REINFORCING

Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
w1	#4	①	4 825	①	4 825	①	4 825	①	4 825	①	4 825
w2	#4	①	1 225	①	1 525	①	1 825	①	2 125	①	2 425
w3	#4	72	76	76	80	80	84	84	88	88	92

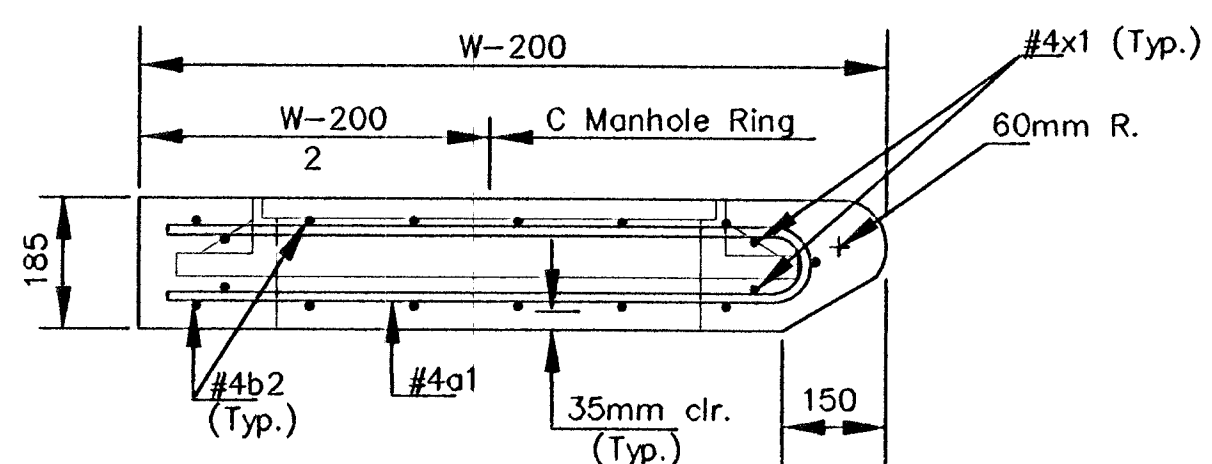
? Field bend or cut Reinforcing as required for clearance.
 ① 4(HI-300mm); (HI-300mm) Round down to nearest 150mm
 ② HI-75mm



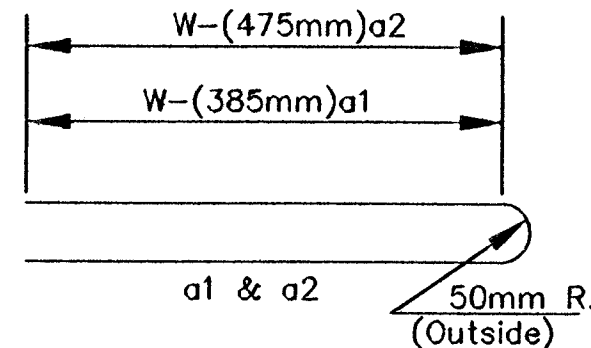
TYPICAL INLET SECTION AT INTERIOR WALL (Reinforced Concrete Walls)



TYPICAL INLET SECTION AT INTERIOR WALL (Masonry Walls)



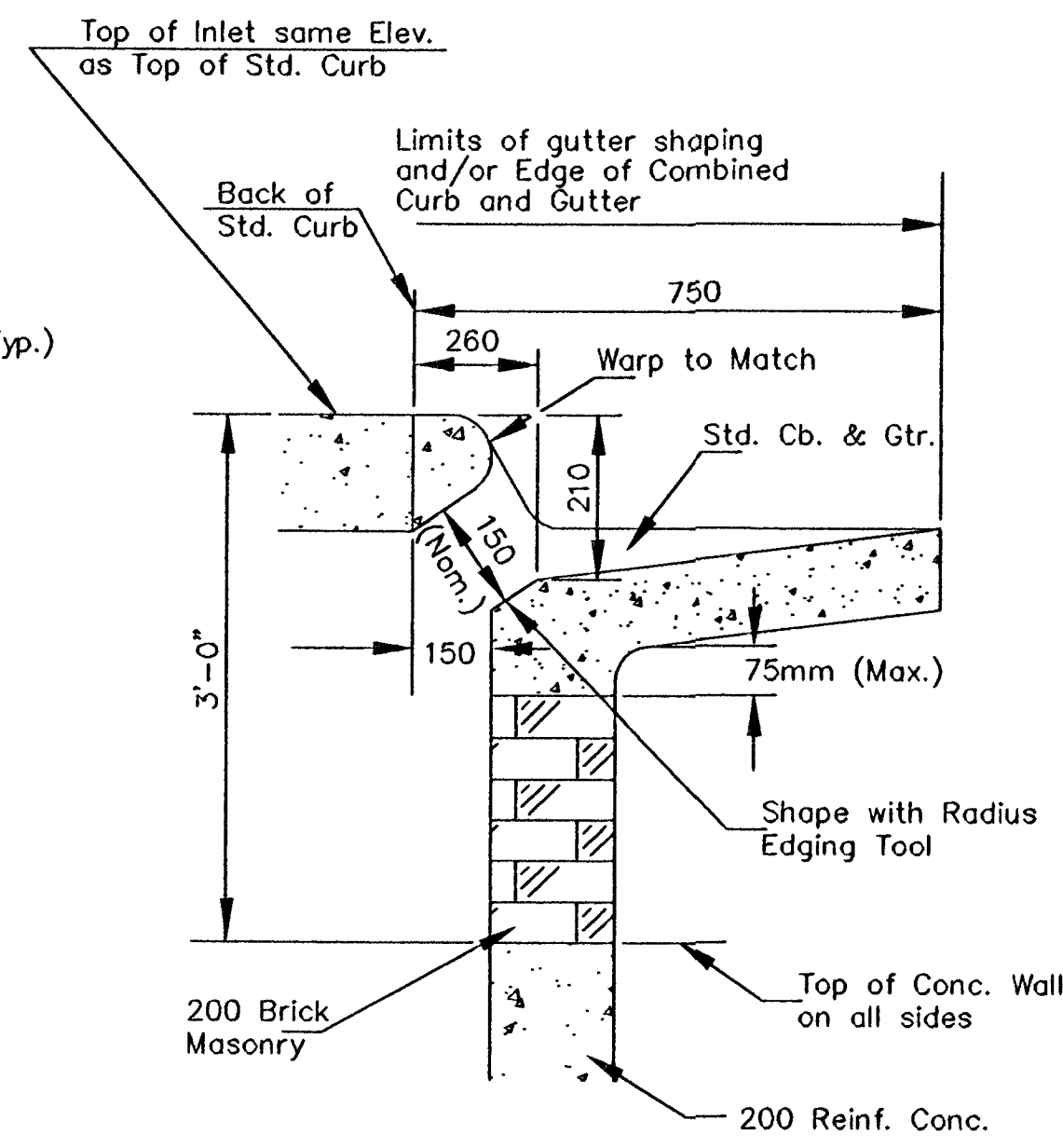
SECTION A-A



BENDING DIAGRAM

GENERAL NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO CONSTRUCT 200mm BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP WHEN W = 1 900 OR LESS AND H = 2 100 OR LESS. WHEN 'W' IS GREATER THAN 1 900 AND 'H' IS LESS THAN 2 100, THE OUTSIDE INLET WALLS BELOW THE BRICK STACK SHALL BE REINFORCED CONCRETE CONSTRUCTION.
2. INLET INVERT SHALL BE SHAPED WITH 8 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.
3. 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 RING. ALL BARS ARE #4 BARS AT 150mm SPACING AND SHALL HAVE A MINIMUM CLEARANCE OF 35mm UNLESS OTHERWISE NOTED.
4. 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.
5. THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.



SECTION C-C

* An Interior Wall Opening shall be provided by means of a section of Reinforced Conc. Pipe. See CASE I and CASE II.
 ** Slope of Inlet Top to match Sidewalk or Parking Slope within the Limits indicated.

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	SIDE OF INTERIOR WALL PIPE SIZE	CU. YD. CONC.
1 300	1 100 x 4 900 x 190	525mm & SMALLER	1.20±
1 600	1 400 x 4 900 x 190	600mm & 750mm	1.58±
1 900	1 700 x 4 900 x 190	900mm & 1050mm	1.95±
2 200	2 000 x 4 900 x 190	1200mm & 1350mm	2.33±
2 500	2 300 x 4 900 x 190	1500mm & 1650mm	2.70±