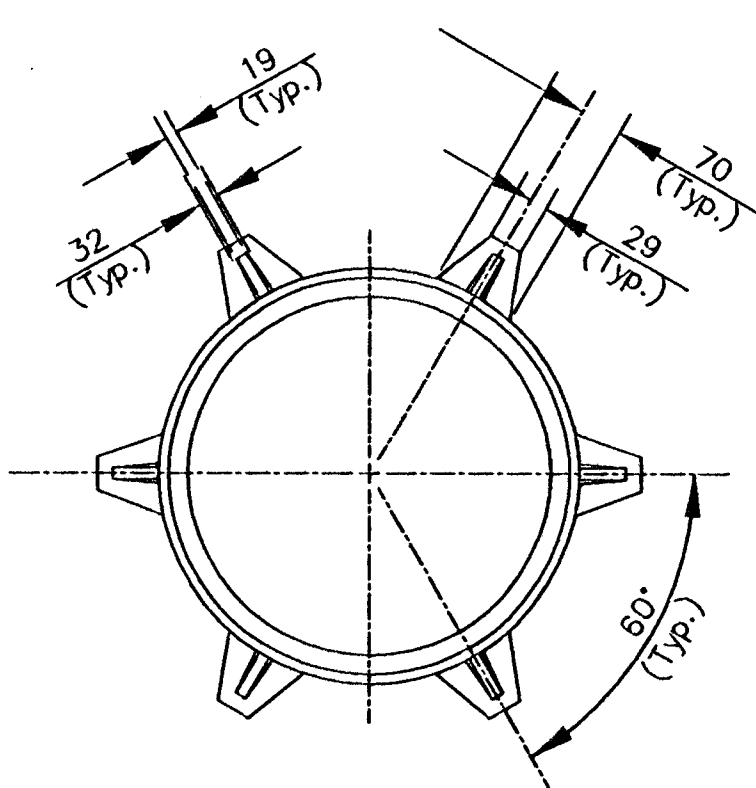


FWHA REG NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0199-01	2002	108	158

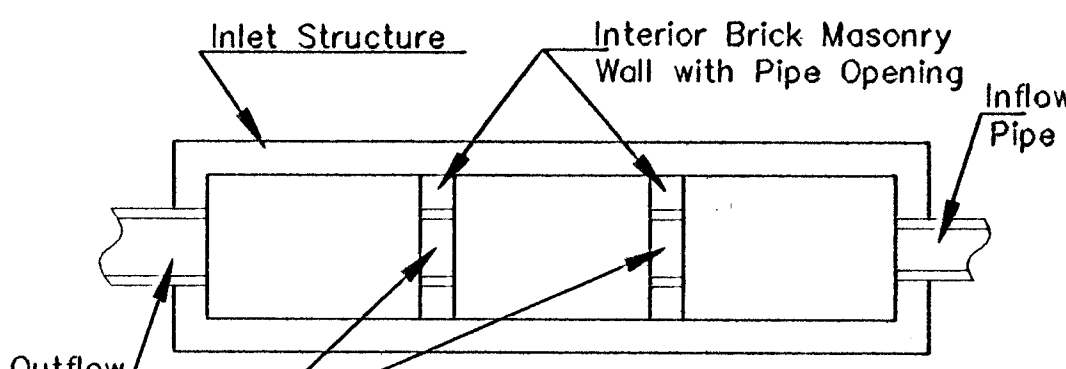
FED. AID NO. CMQ-NO19(901)



CAST IRON MANHOLE RING

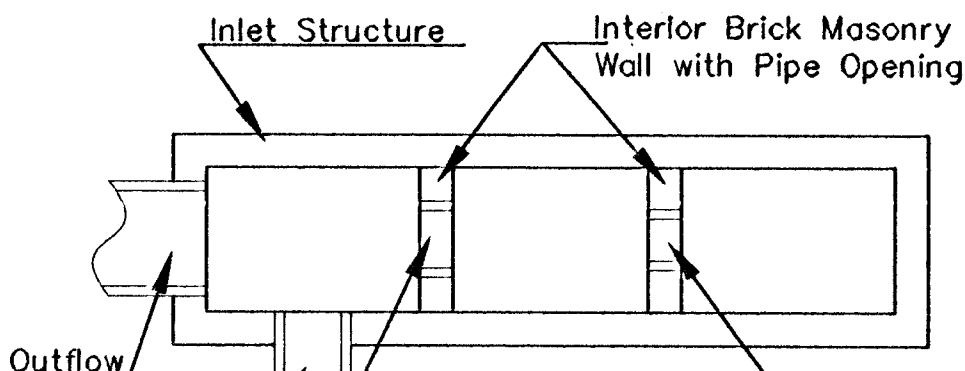
Wt. 81.6 kg

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



Pipe Size to be same as Outflow Pipe. Flowline Elev. to be set on a straight Grade from the Outflow Elev. and the Lowest Inflow Pipe Elev.

CASE I



600 mm Dia. Pipe Flowline Elev. to be 40 mm above Outflow Elev.
450 mm Dia. Pipe Flowline Elev. to be 75 mm above Outflow Elev.

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 1A

CURB INLET

OPENING = 150mm x 4 580mm

HWS

Consulting Group Inc

Omaha Office

10844 Old Mill Rd., Ste 1

Omaha, NE 68154

Phone: (402) 333-5792

Fax: (402) 333-2248

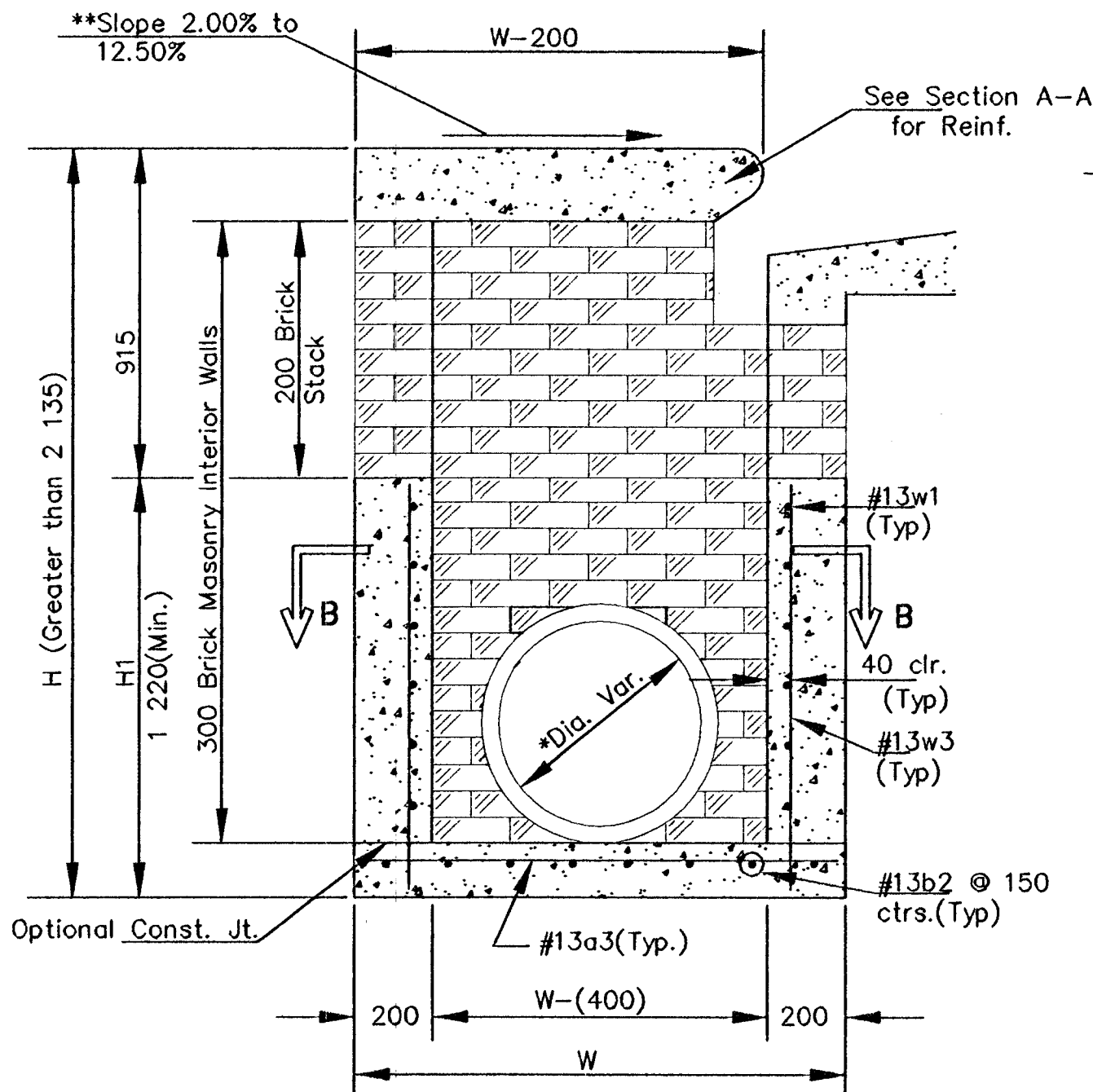
Designed By: BWE

Checked By: RJK

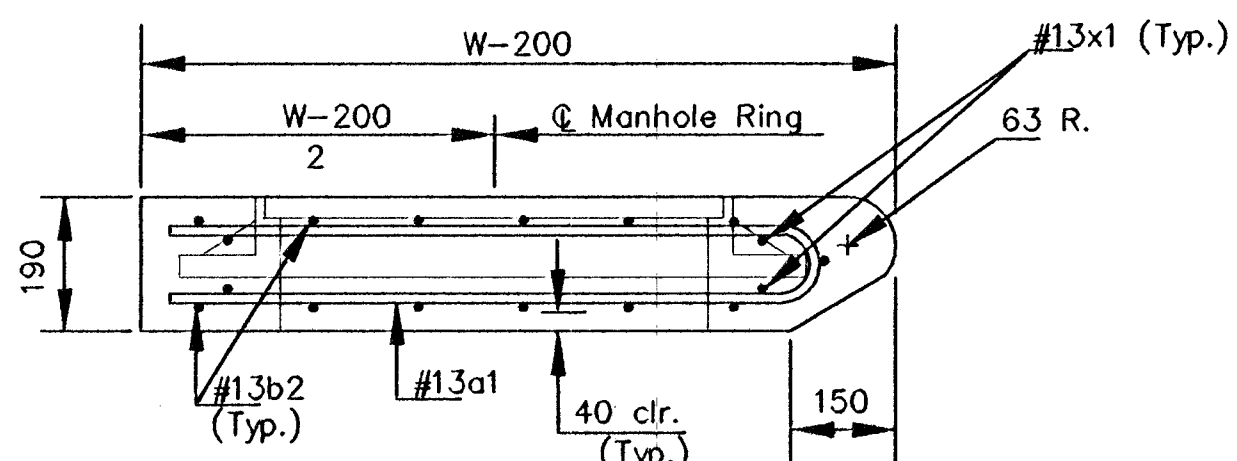
Drawn By: HS, JS

Date: 4/10/02

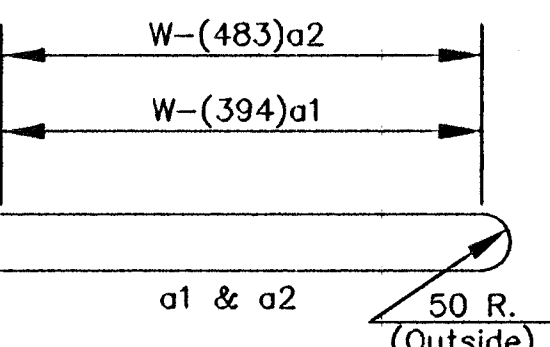
Job No. 55-70-2003



TYPICAL INLET SECTION AT INTERIOR WALL
(Reinforced Concrete Walls)



SECTION A-A

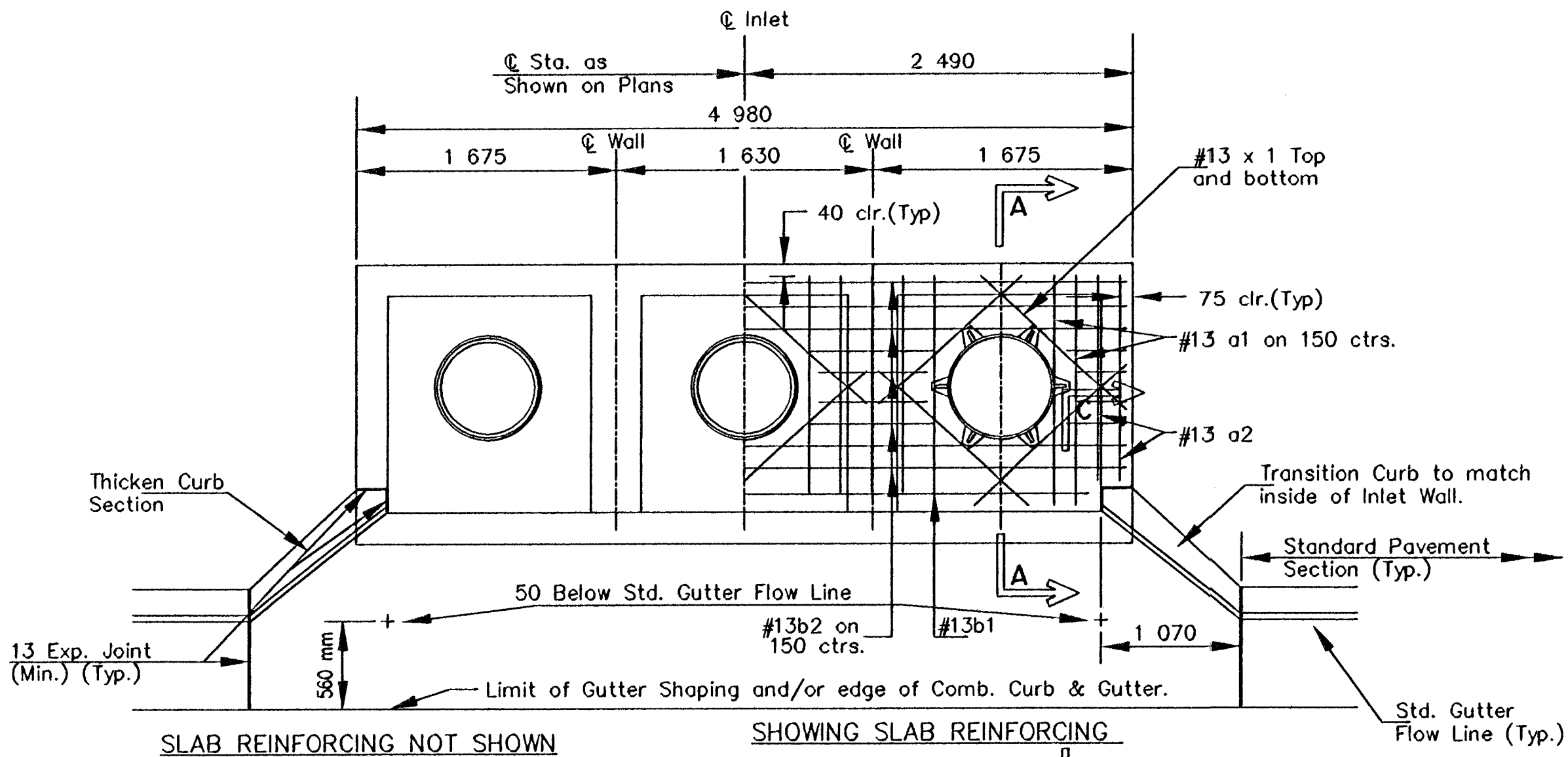


BENDING DIAGRAM

GENERAL NOTES

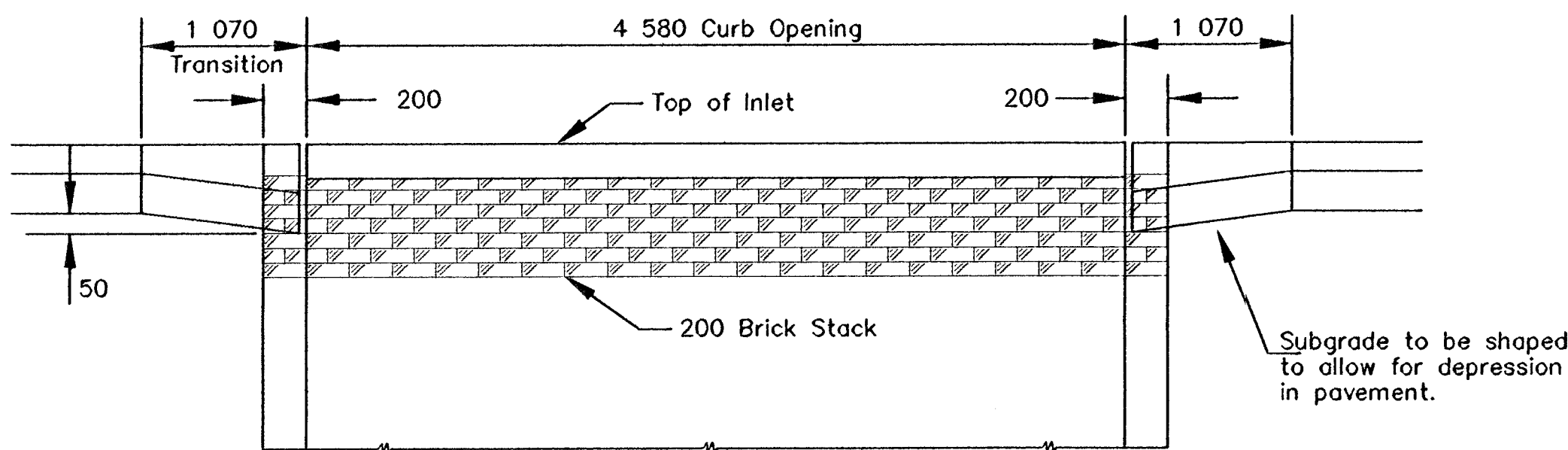
- THE CONTRACTOR SHALL BE REQUIRED TO CONSTRUCT 200 mm BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP WHEN W = 1 930 mm OR LESS AND H = 2 135 mm OR LESS. WHEN 'W' IS GREATER THAN 1 930 mm AND 'H' IS LESS THAN 2 135 mm, THE OUTSIDE INLET WALLS BELOW THE BRICK STACK SHALL BE REINFORCED CONCRETE CONSTRUCTION.
- 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.
- 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 #13 BARS AT 150 mm SPACING AND SHALL HAVE A MINIMUM CLEARANCE OF 40 mm UNLESS OTHERWISE NOTED.
- 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.
- ALL DIMENSIONS ARE IN MILLIMETERS.

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	SIDE OR INTERIOR WALL PIPE SIZE	m ³ CONC.
1 320	1 120x4 980x190	550 & Smaller	0.92±
1 630	1 430x4 980x190	600 & 750	1.21±
1 930	1 730x4 980x190	900 & 1050	1.49±
2 240	2 040x4 980x190	1200 & 1350	1.78±
2 540	2 340x4 980x190	1500 & 1850	2.06±

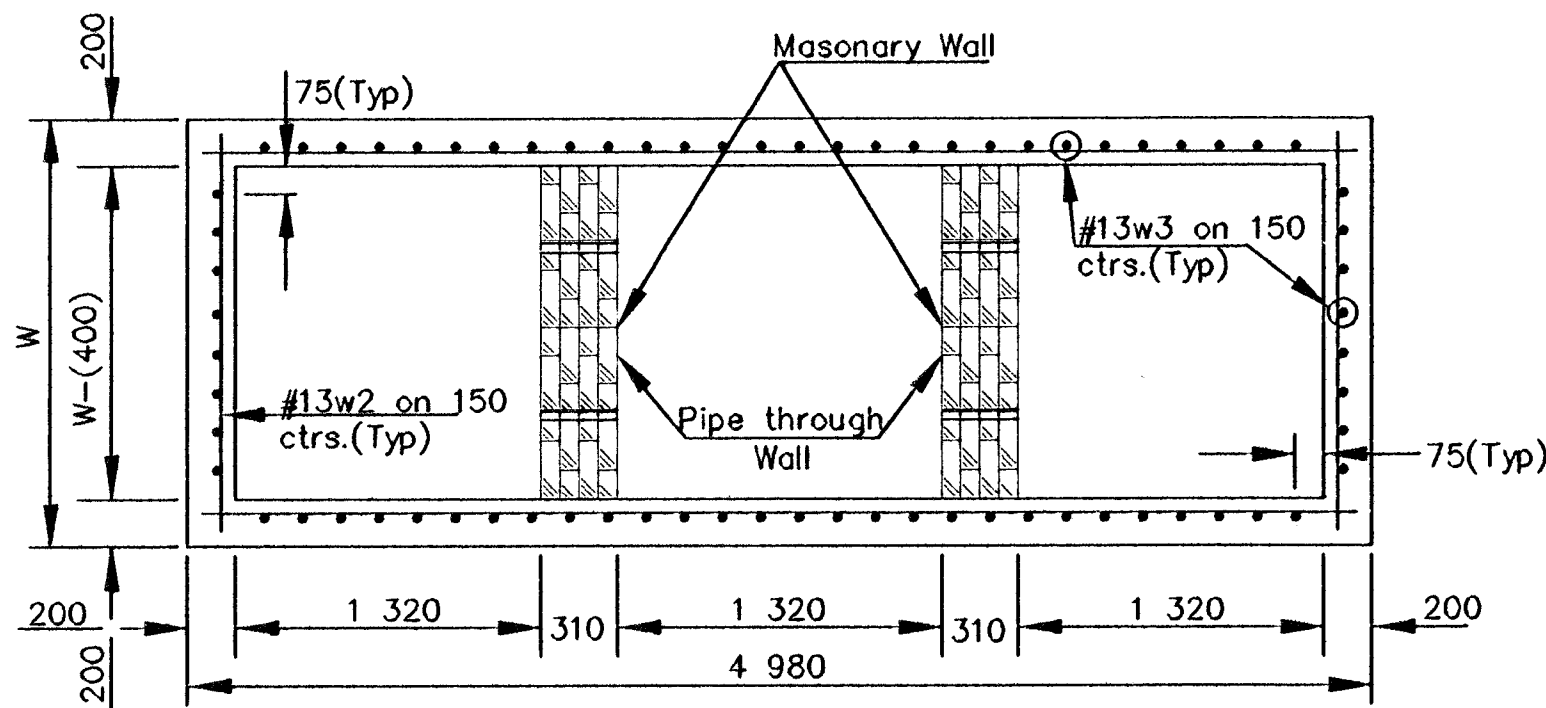


PLAN

NOTE: Expansion Joint only in Curb Area with Conc. Pavement.



ELEVATION



SECTION B-B

PRECAST SLAB AND FLOOR REINFORCING									
		W=1 320		W=1 630		W=1 930		W=2 240	
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length
a1	#13	20	2 010	20	2 615	20	3 225	20	3 835
a2	#13	4	1 830	4	2 440	4	3 050	4	3 660
a3	#13	33	1 245	33	1 550	33	1 855	33	2 160
b1	#13	1	4 500	1	4 500	1	4 500	1	4 500
*b2	#13	23	4 905	29	4 905	35	4 905	41	4 905
x1	#13	24	1 170	24	1 270	24	1 370	24	1 475

WALL REINFORCING									
		W=1 320		W=1 630		W=1 930		W=2 240	
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length
w1	#13	①	4 905	①	4 905	①	4 905	①	4 905
w2	#13	①	1 245	①	1 550	①	1 855	①	2 160
w3	#13	72	②	76	②	80	②	84	②

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