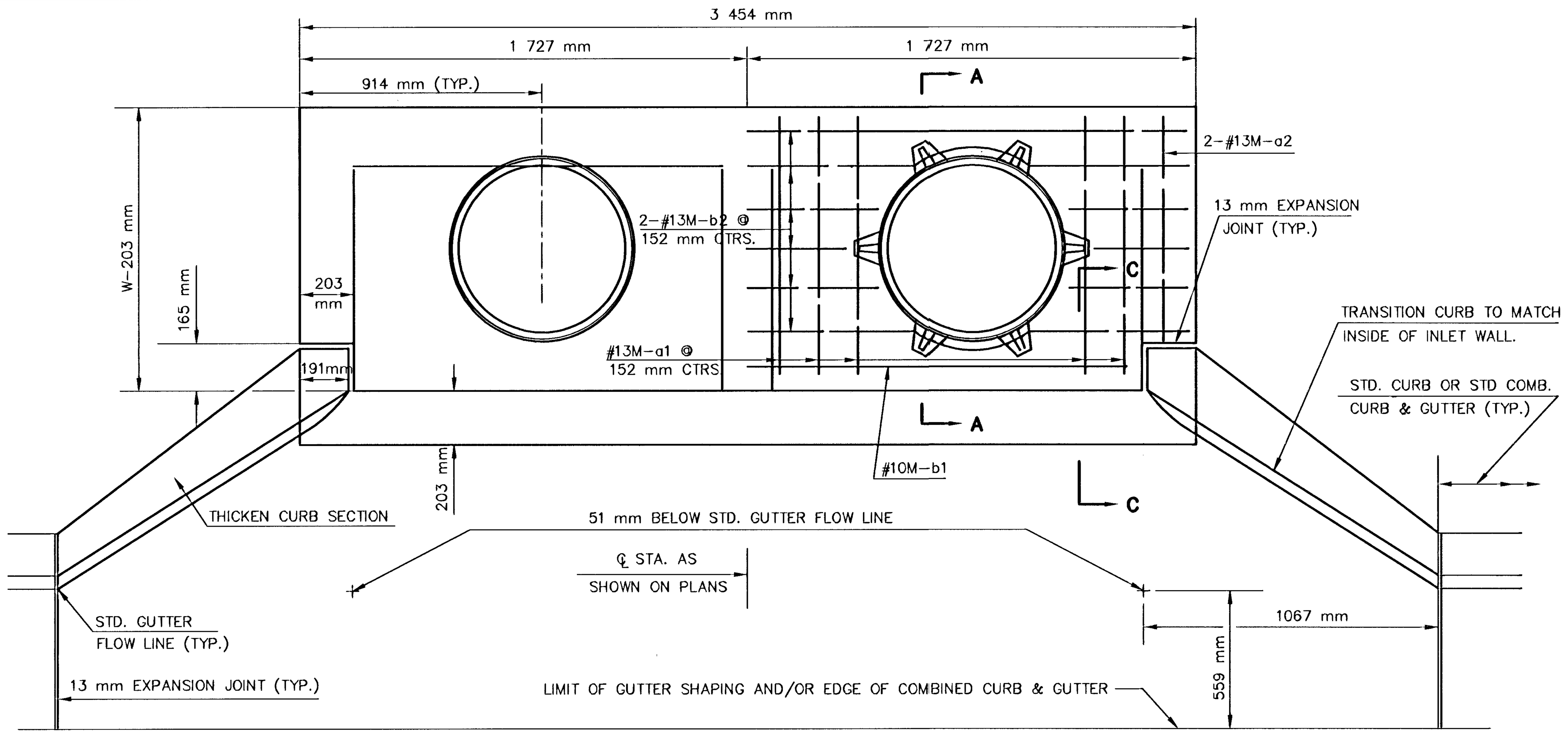
FHWA REG NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	SHEETS
7	KANSAS	STP-N012(901)	1999	52	131

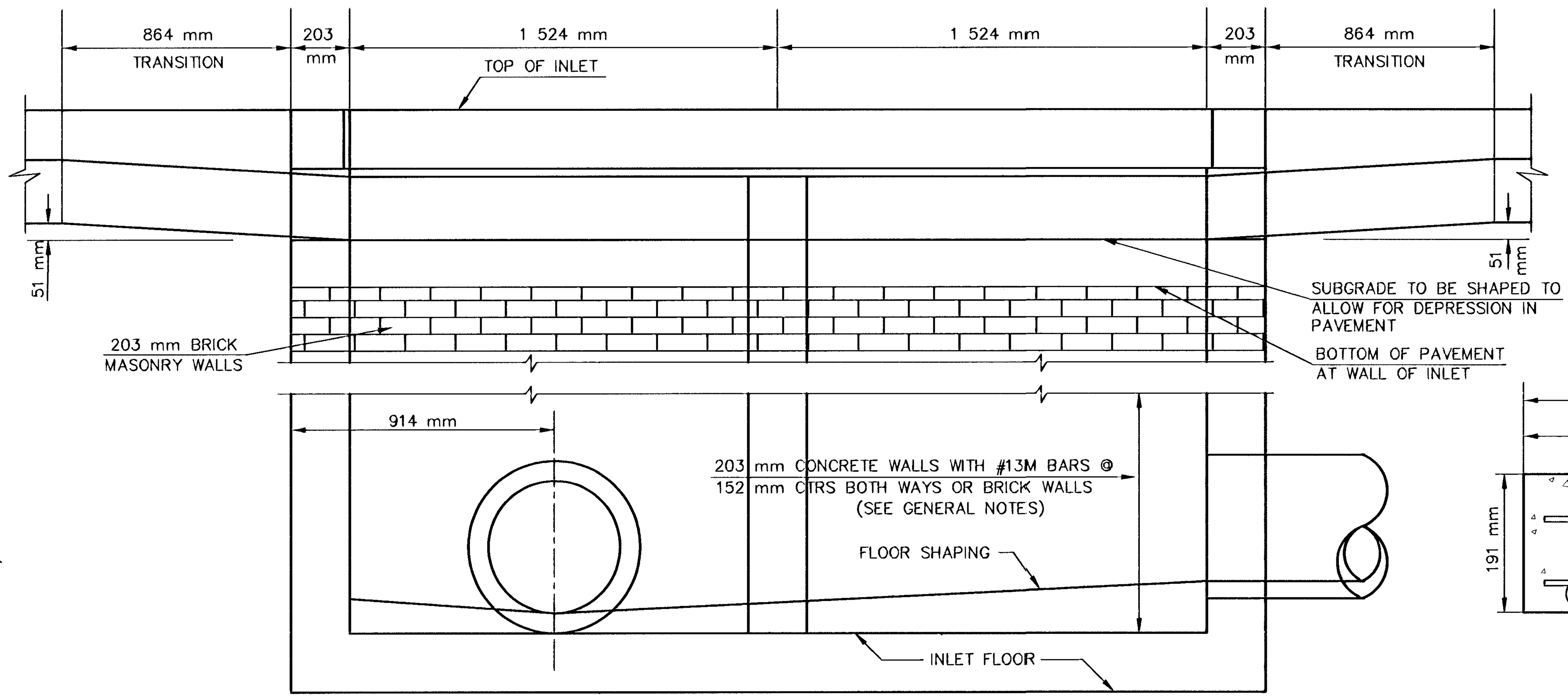


SLAB REINFORCING NOT SHOWN

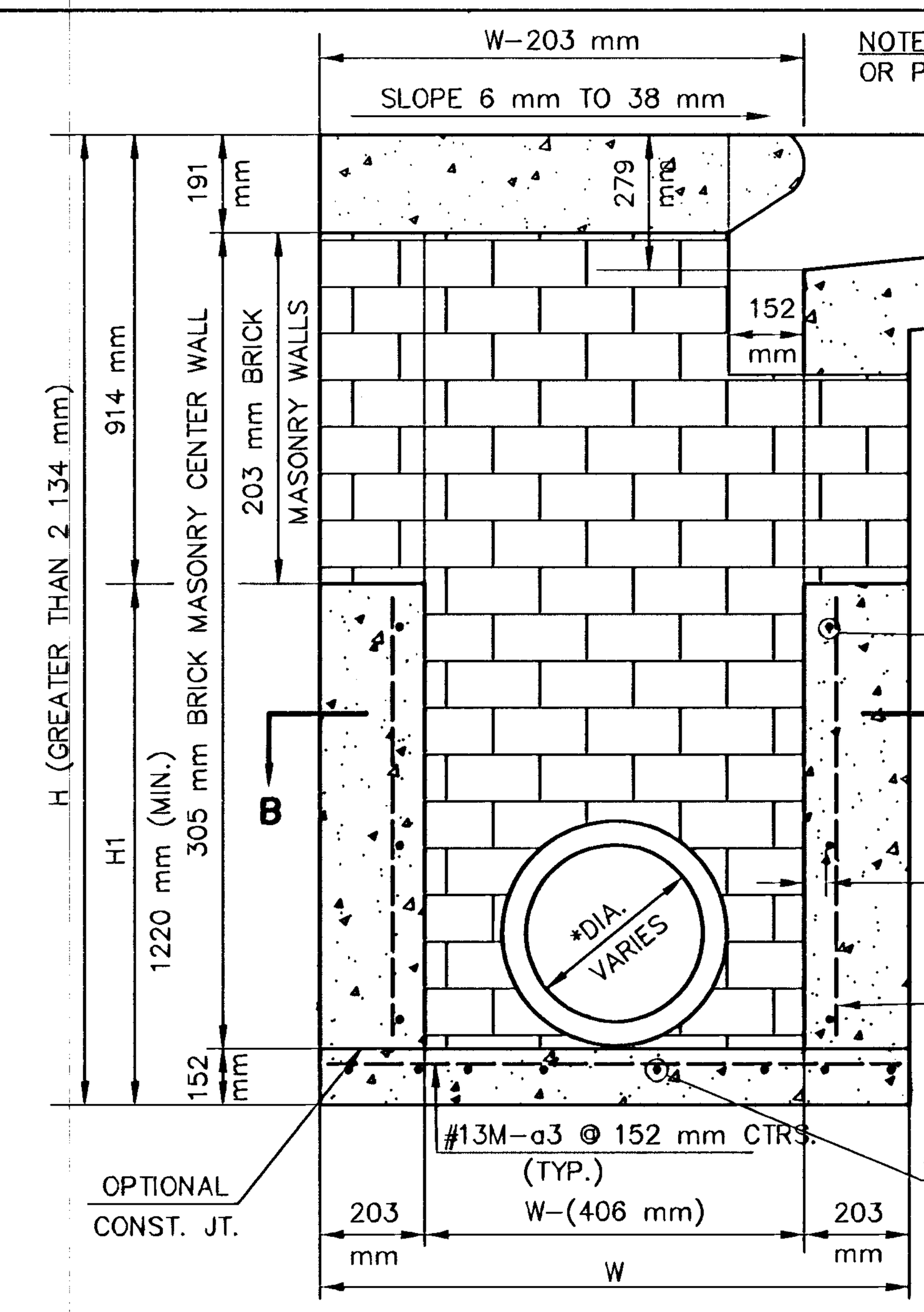
PLAN

SHOWING SLAB REINFORCING

NOTE EXPANSION JOINT ONLY IN CURB AREA WITH CONCRETE PAVEMENT.



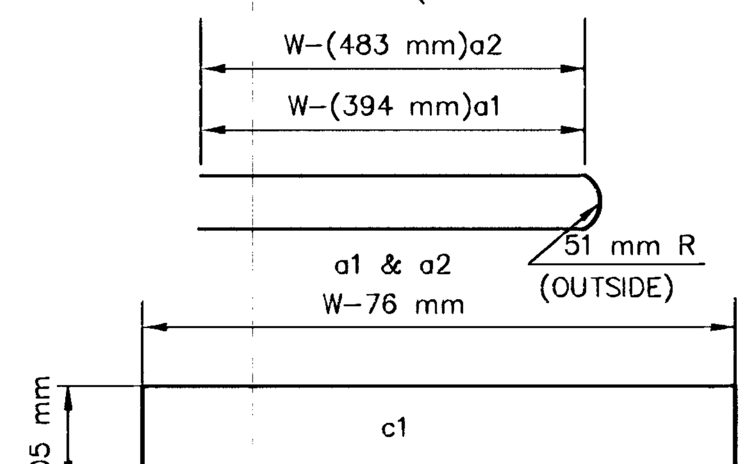
ELEVATION



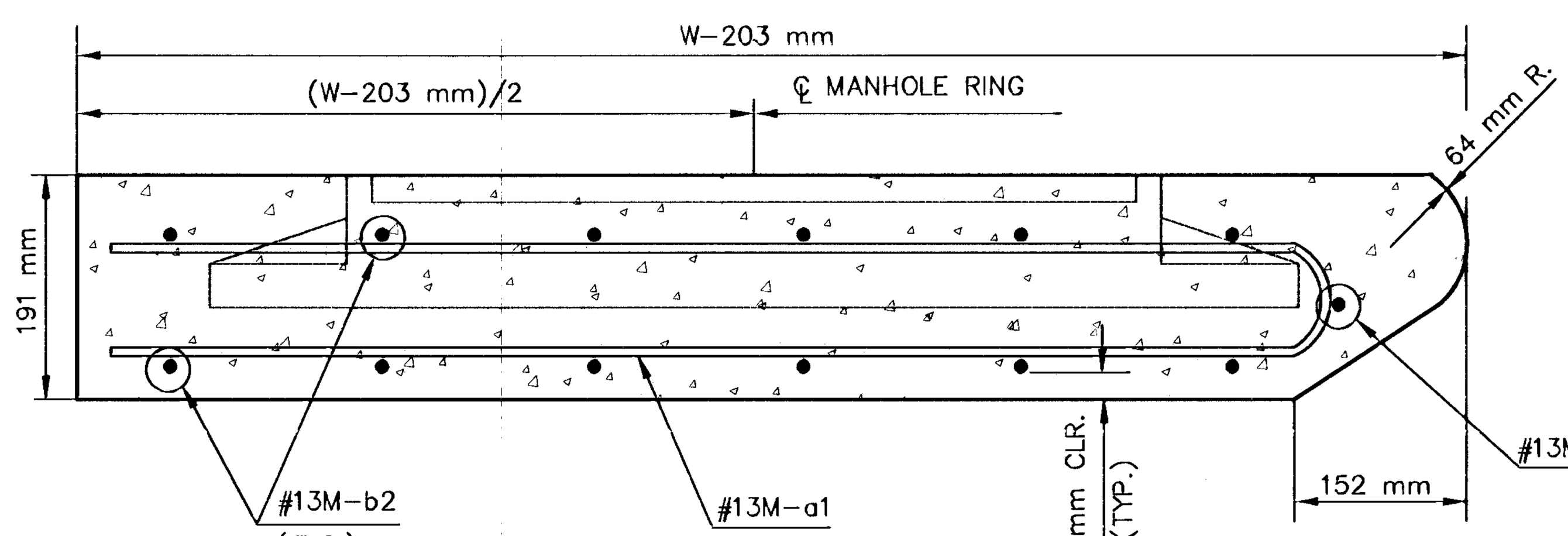
NOTE: SLOPES OF INLET TOPS TO MATCH SIDEWALK OR PARKING SLOPES WITHIN LIMITS INDICATED.

TYPICAL INLET SECTION AT CENTER WALL

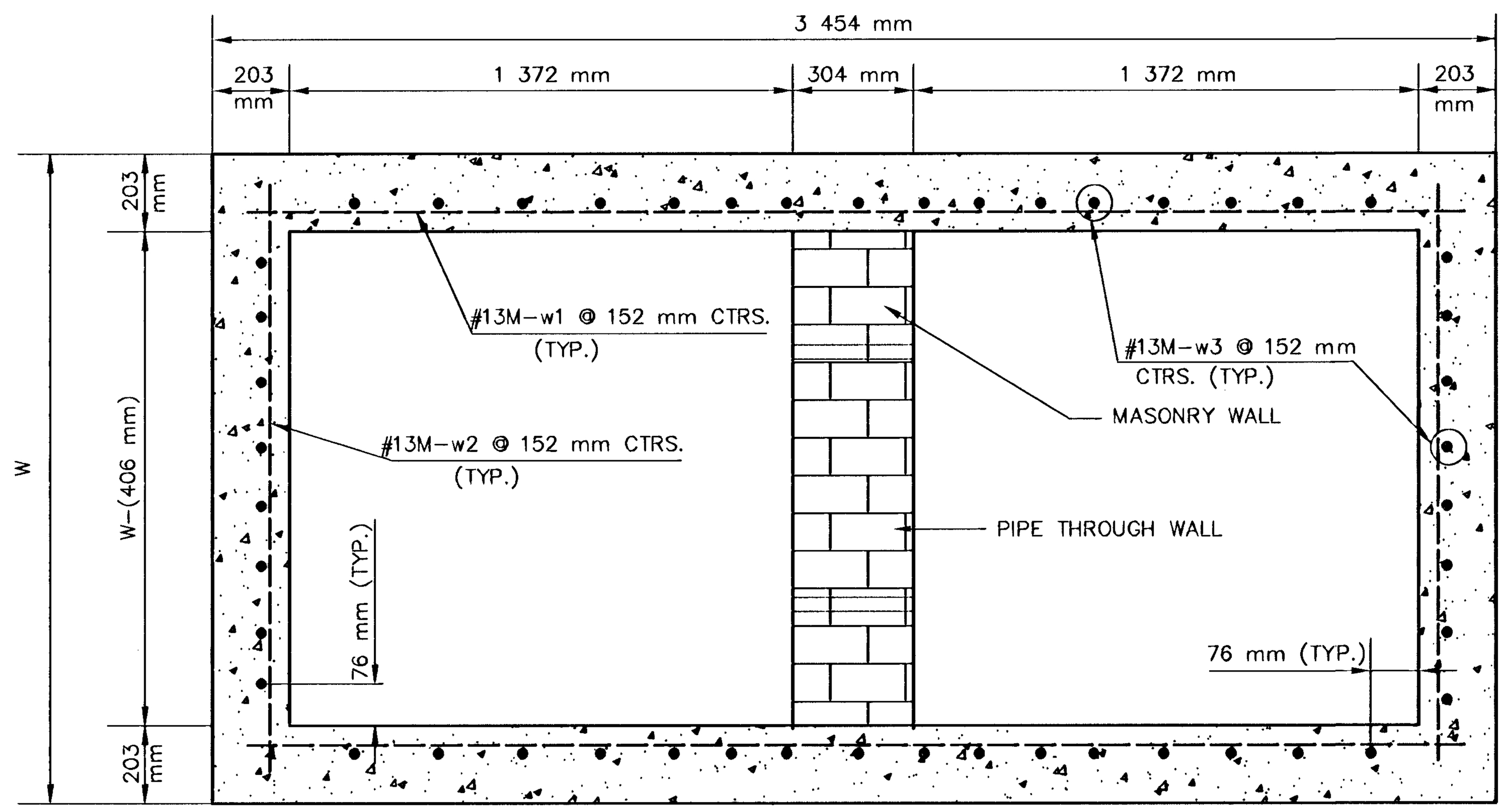
(REINFORCED CONCRETE WALLS)



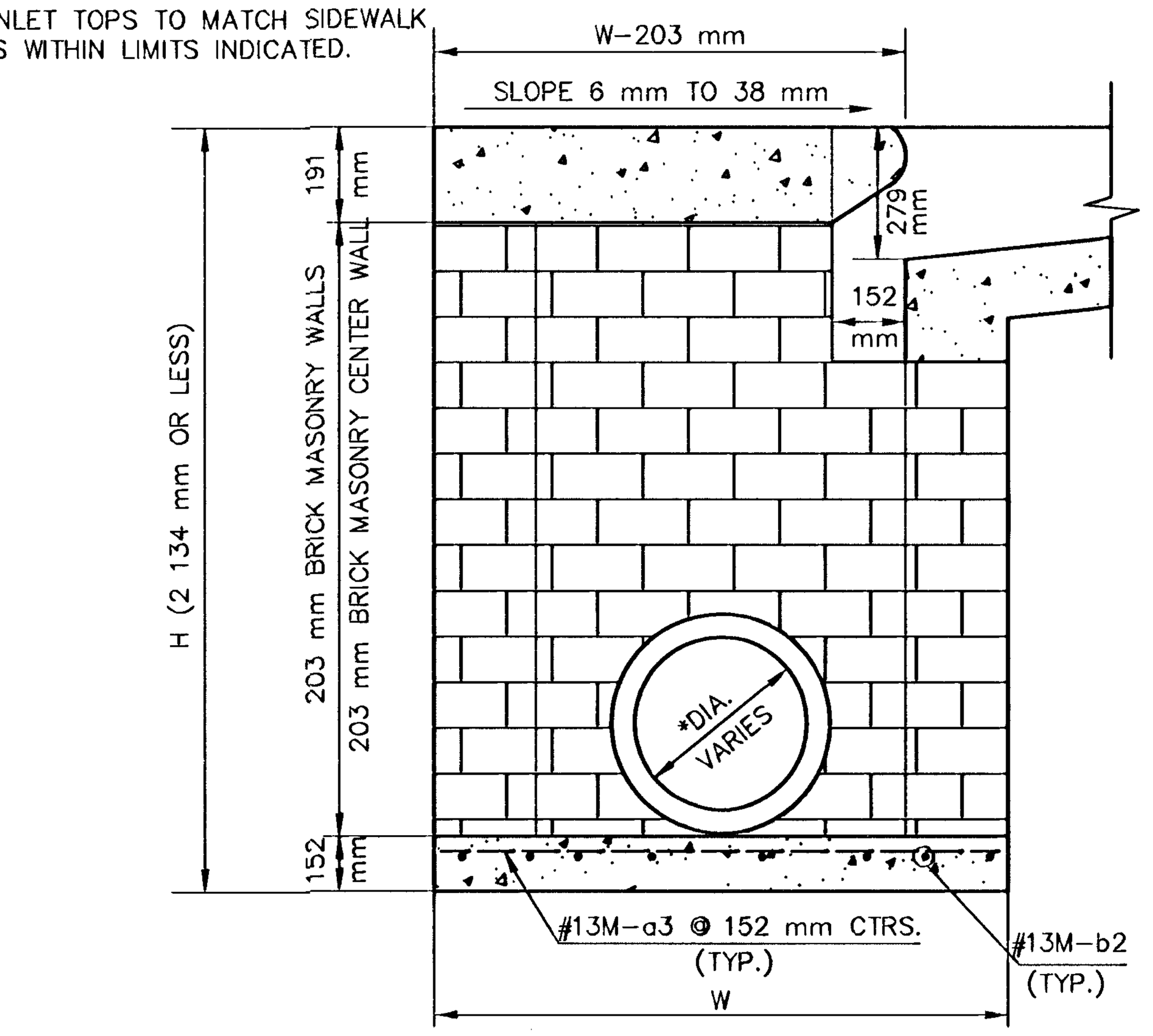
BENDING DIAGRAMS



SECTION A-A



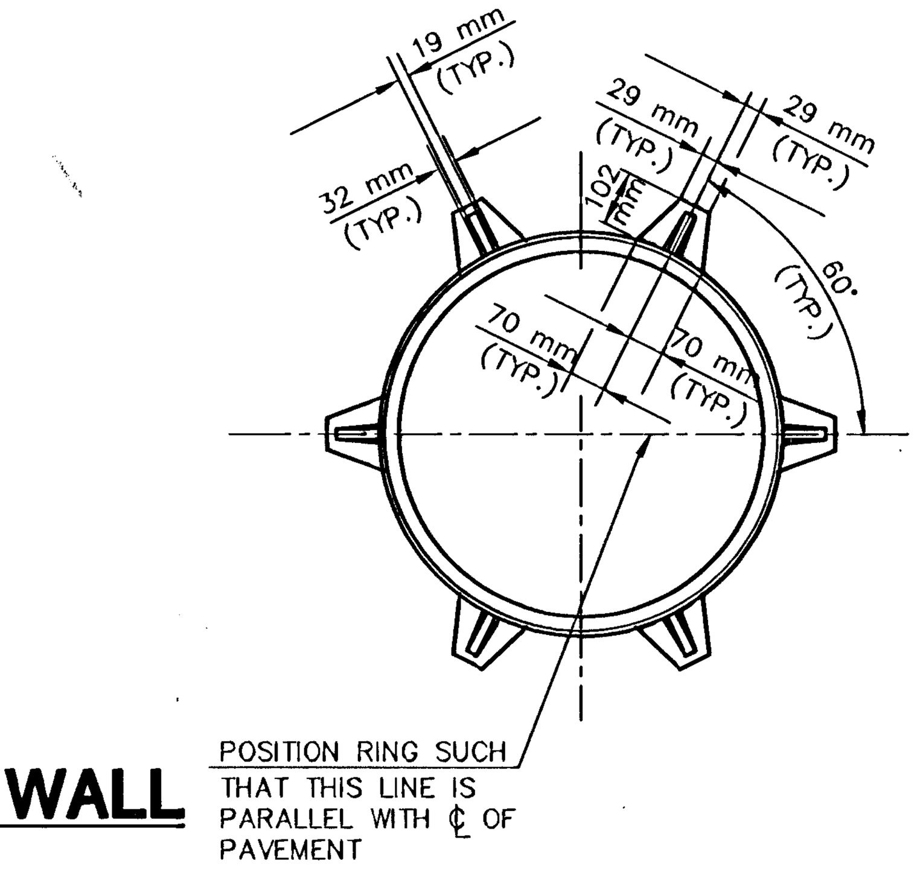
SECTION B-B

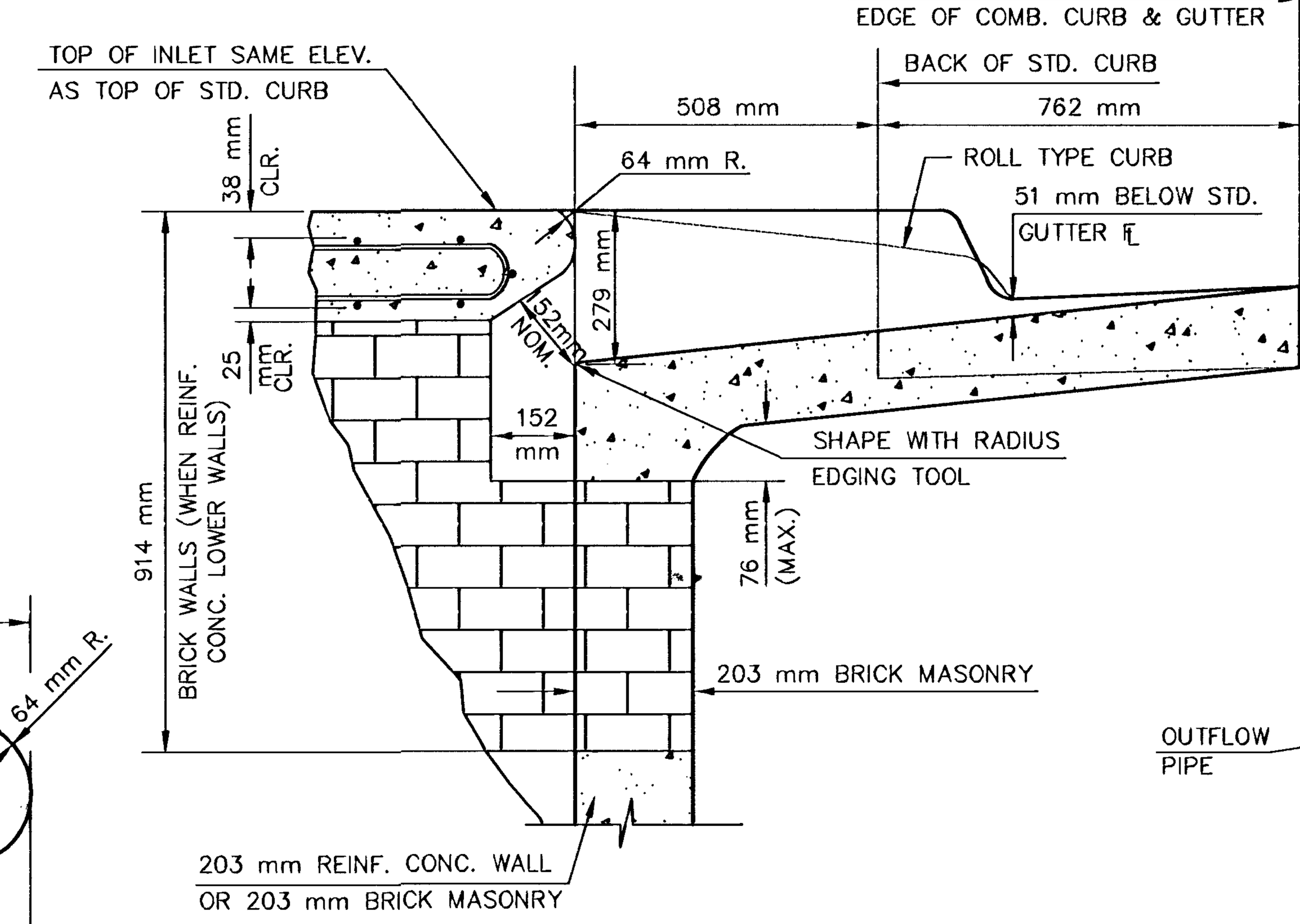


TYPICAL INLET SECTION AT CENTER WALL

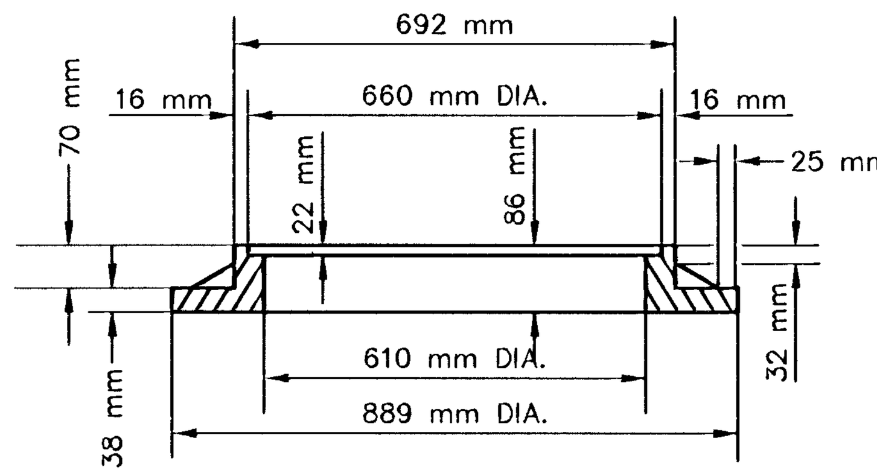
(MASONRY WALLS)

* A CENTER WALL OPENING SHALL BE PROVIDED BY MEANS OF A SECTION OF REINFORCED CONCRETE PIPE. SEE CASE I AND CASE II BELOW.





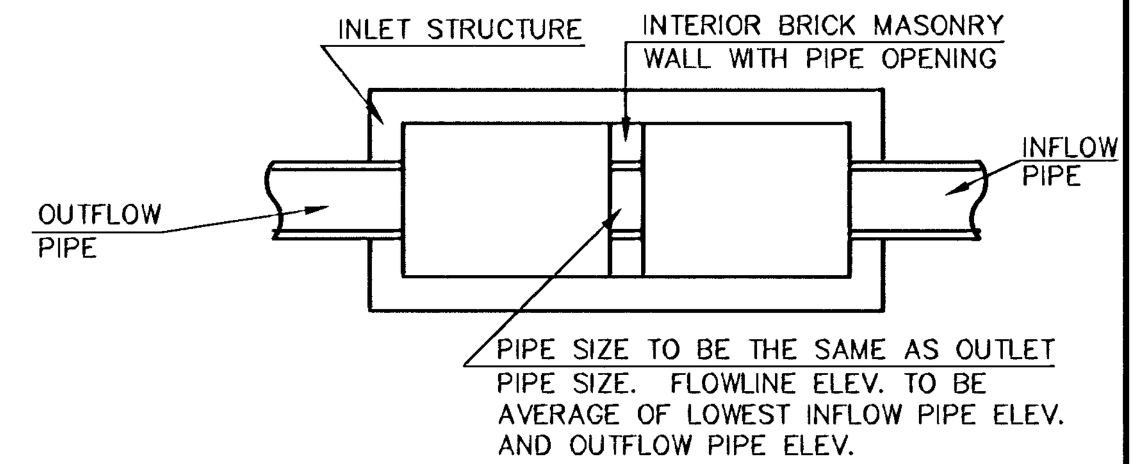
SECTION C-C



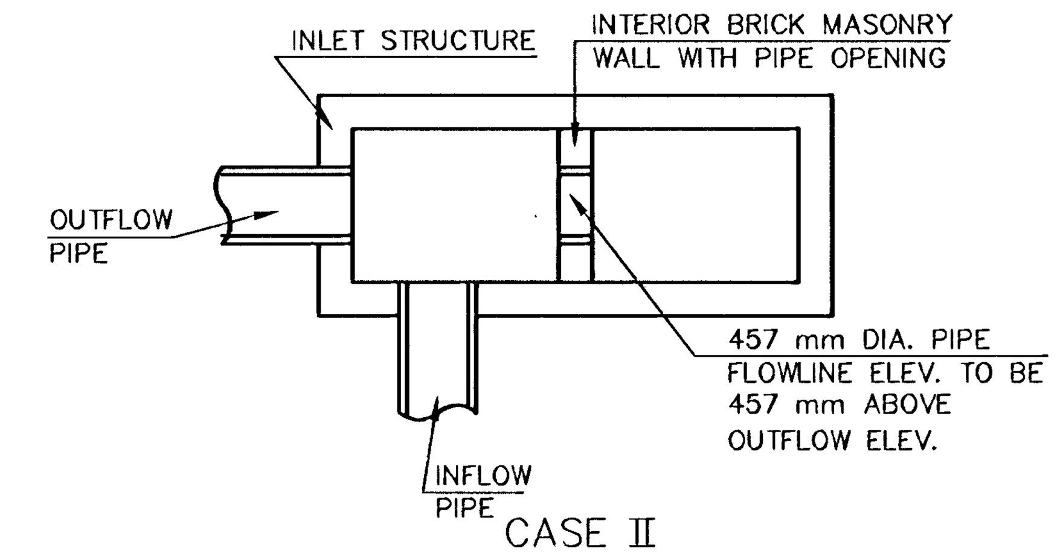
CAST IRON INLET RING

WT.=180 LBS.

SEE STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME. SEE STD. 633



CASE I



CASE II

NOTE: CENTER WALL PIPE SIZE SHALL BE AS SPECIFIED IN INLET CONSTRUCTION NOTE ON THE PLAN/PROFILE SHEETS FOR THOSE CASES NOT SHOWN HERE.

SLAB AND FLOOR REINFORCING

		W=1 321 mm		W=1 626 mm		W=1 930 mm		W=2 235 mm		W=2 540 mm	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
a1	#13M	13	2 013 mm	13	2 623 mm	13	3 232 mm	13	3 842 mm	13	4 451 mm
a2	#13M	2	1 829 mm	2	2 438 mm	2	3 048 mm	2	3 658 mm	2	4 267 mm
a3	#13M	20	1 245 mm	20	1 549 mm	20	1 854 mm	20	2 159 mm	20	2 464 mm
b1	#13M	1	2 946 mm	1	2 946 mm	1	2 946 mm	1	2 946 mm	1	2 946 mm
*b2	#13M	18	3 378 mm	24	3 378 mm	30	3 378 mm	36	3 378 mm	42	3 378 mm

WALL REINFORCING

		W=1 321 mm		W=1 626 mm		W=1 930 mm		W=2 235 mm		W=2 540 mm	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
c1	#19M	4	1 854 mm	4	2 159 mm	4	2 464 mm	4	2 769 mm	4	3 073 mm
w1	#13M	①	3 378 mm	①	3 378 mm	①	3 378 mm	①	3 378 mm	①	3 378 mm
w2	#13M	①	1 245 mm	①	1 549 mm	①	1 854 mm	①	2 159 mm	①	2 464 mm
w3	#13M	②	③	②	③	②	③	②	③	②	③

* FIELD BEND OR CUT REINFORCING AS REQUIRED FOR CLEARANCE
① 4(H1−152 mm)+4 (H1−152 mm) ROUNDED DOWN TO NEAREST 0.15 m
② 40+4(W−406 mm)
③ H1+(229 mm)

GENERAL NOTES

1. THE CONTRACTOR SHALL BE REQUIRED TO CONSTRUCT 203 mm BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP ON THIS INLET WHEN W=1 930 mm OR LESS AND H=2 134 mm OR LESS. WHEN W IS GREATER THAN 1 930 mm AND H IS LESS THAN 2 134 mm, THE OUTSIDE INLET WALLS BELOW THE BRICK STACK SHALL BE REINFORCED CONCRETE CONSTRUCTION AND THE CENTER WALL SHALL BE OF MASONRY CONSTRUCTION AS SHOWN FOR THE MASONRY WALL OPTION.
2. INLET INVERT SHALL BE SHAPED WITH 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 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.
4. INLET TOP REINFORCING SHALL BE SPACED ON 152 mm MAX. CENTERS. INLET LIDS SHALL BE NOTCHED OUT AS INDICATED TO FACILITATE CONSTRUCTION OF CURB. BARS IN INLET TOP TO BE FIELD BENT OR CUT TO CLEAR MANHOLE RING.
5. THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	SIDE OR INTERIOR WALL PIPE SIZE	CU. YD. CONC.
1 321 mm	1 118 x 3 353 mm−102 x 191 mm	533 mm & SMALLER	0.83±
1 626 mm	1 422 x 3 353 mm−102 x 191 mm	610 mm & 762 mm	1.09±
1 930 mm	1 727 x 3 353 mm−102 x 191 mm	914 mm & 1 067 mm	1.35±
2 235 mm	2 032 x 3 353 mm−102 x 191 mm	1 219 mm & 1 372 mm	1.61±
2 540 mm	2 337 x 3 353 mm−102 x 191 mm	1 524 mm & 1 676 mm	1.87±

KANSAS DEPARTMENT OF TRANSPORTATION

STANDARD TYPE 1A
CURB INLET

INLET OPENING=152 mm x 3 048 mm

PROJ. NO. SEDGWICK CO.

MID-KANSAS ENGINEERING CONSULTANTS, INC.
WICHITA, KANSAS

DESIGNED BY:	MJV	CHECKED BY:	DCH
DRAWN BY:	DPG	DATE: MAY 1999	SHEET 52 OF 131