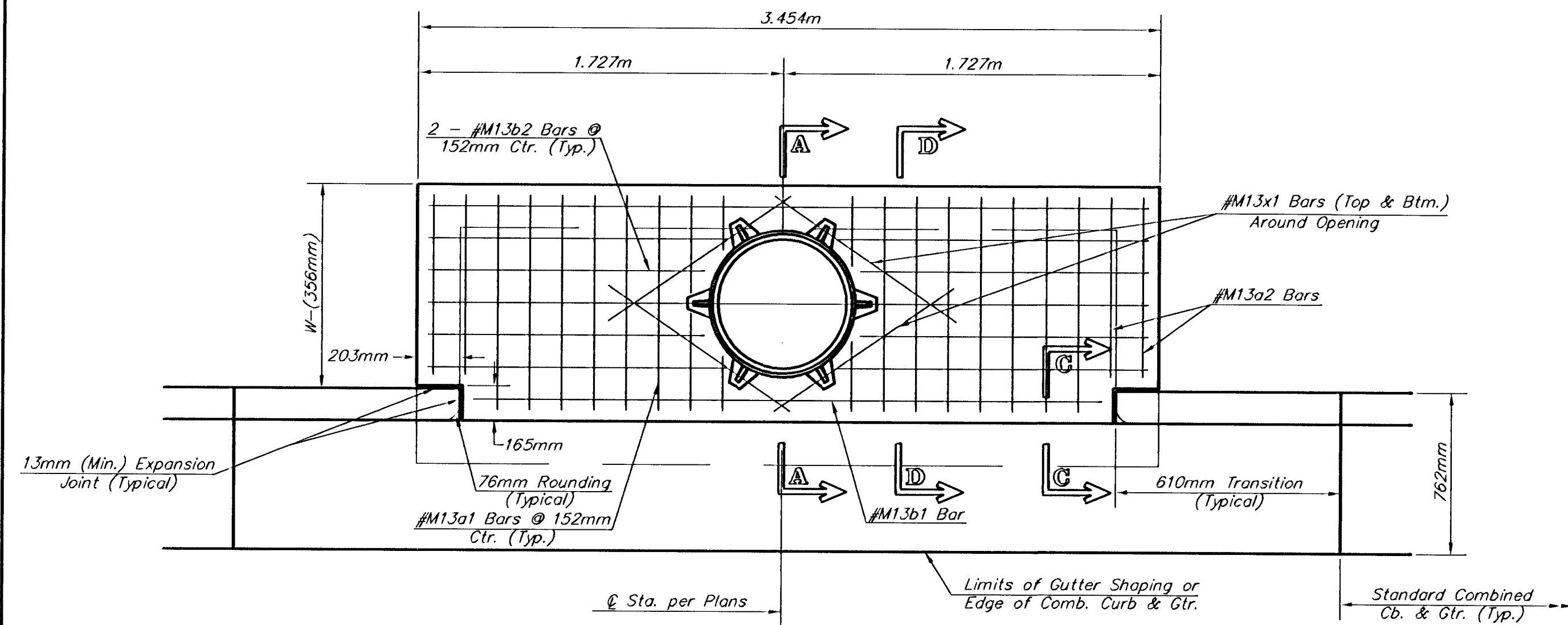
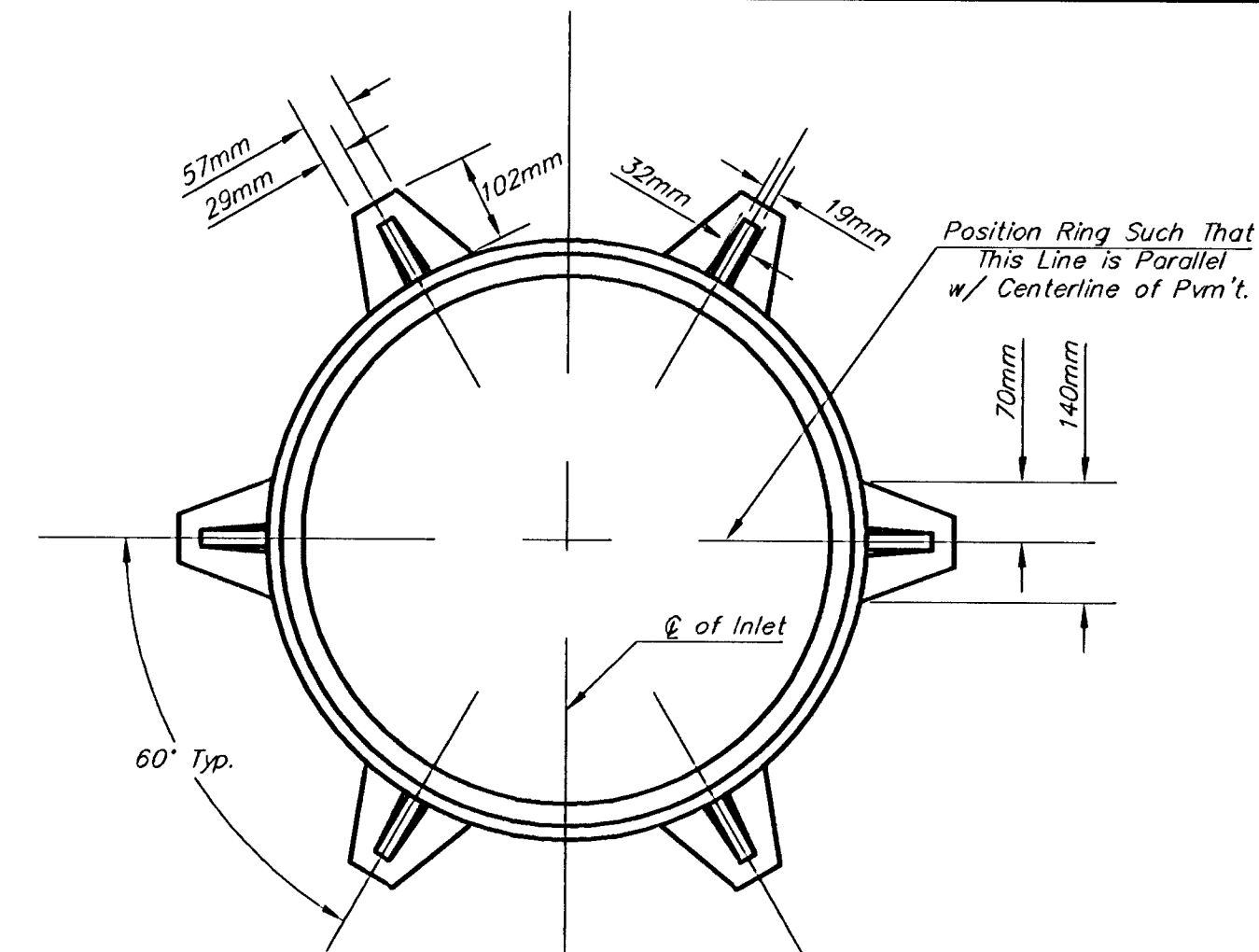


FHWA REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87-N-0225-01	2002	16	47



PLAN



MANHOLE RING AND COVER

PRECAST SLAB AND FLOOR REINFORCING													
MARK	SIZE	W = 1.321m		W = 1.626m		W = 1.930m		W = 2.235m		W = 2.540m			
		NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH		
a1	#M13	13	2.007m	13	2.616m	13	3.226m	13	3.835m	13	4.445m		
* a2	#M13	4	1.829m	4	2.438m	4	3.048m	4	3.658m	4	4.267m		
a3	#M13	23	1.245m	23	1.549m	23	1.854m	23	2.159m	23	2.464m		
b1	#M13	1	2.972m	1	2.972m	1	2.972m	1	2.972m	1	2.972m		
* b2	#M13	23	3.378m	29	3.378m	35	3.378m	41	3.378m	47	3.378m		
x1	#M13	8	1.168m	8	1.270m	8	1.372m	8	1.473m	8	1.575m		

WALL REINFORCING													
MARK	SIZE	W = 1.321m		W = 1.626m		W = 1.930m		W = 2.235m		W = 2.540m			
		NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH		
w1	#M13	①	3.378m	①	3.378m	①	3.378m	①	3.378m	①	3.378m		
w2	#M13	②	1.245m	②	1.550m	②	1.854m	②	2.159m	②	2.464m		
w3	#M13	30	③	34	③	38	③	42	③	46	③		
w4	#M13	22	④	22	④	22	④	22	④	22	④		

WALL REINFORCING

MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
w1	#M13	①	3.378m	①	3.378m	①	3.378m	①	3.378m	①	3.378m		
w2	#M13	②	1.245m	②	1.550m	②	1.854m	②	2.159m	②	2.464m		
w3	#M13	③	34	③	34	③	34	③	34	③	34		
w4	#M13	④	22	④	22	④	22	④	22	④	22		

* Field Bend or Cut Reinforcing as Required for Clearance.

① ((H - 572mm)/152mm) + ((H - 851mm)/152mm)

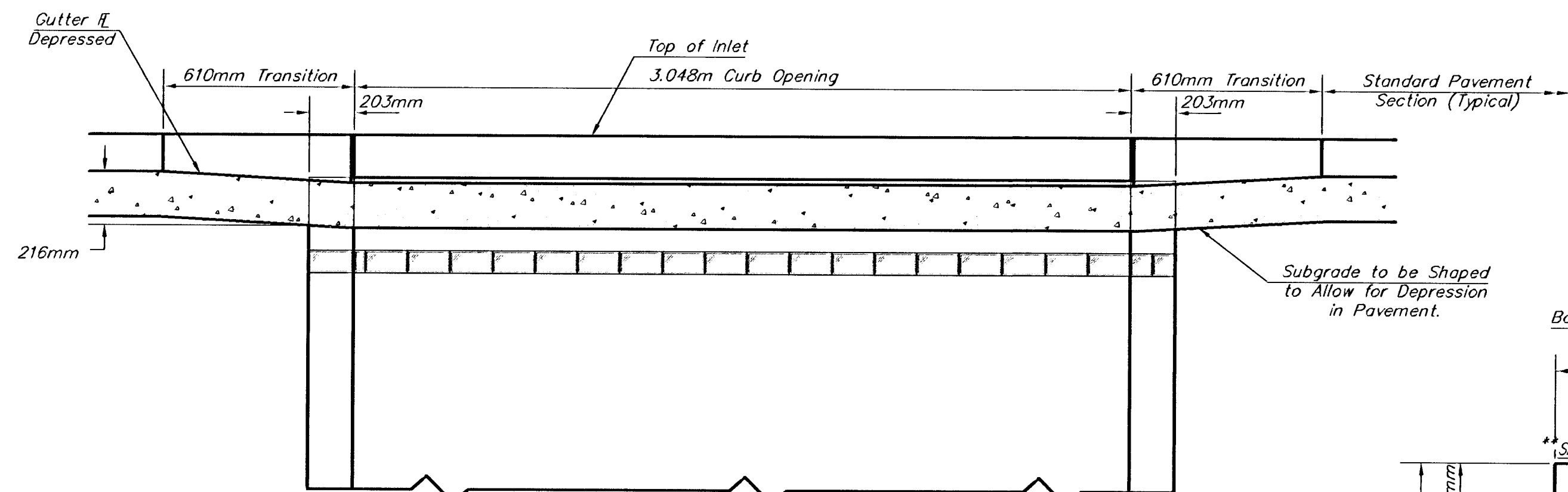
② 2*(H - 572mm)/152mm

③ H - 327mm

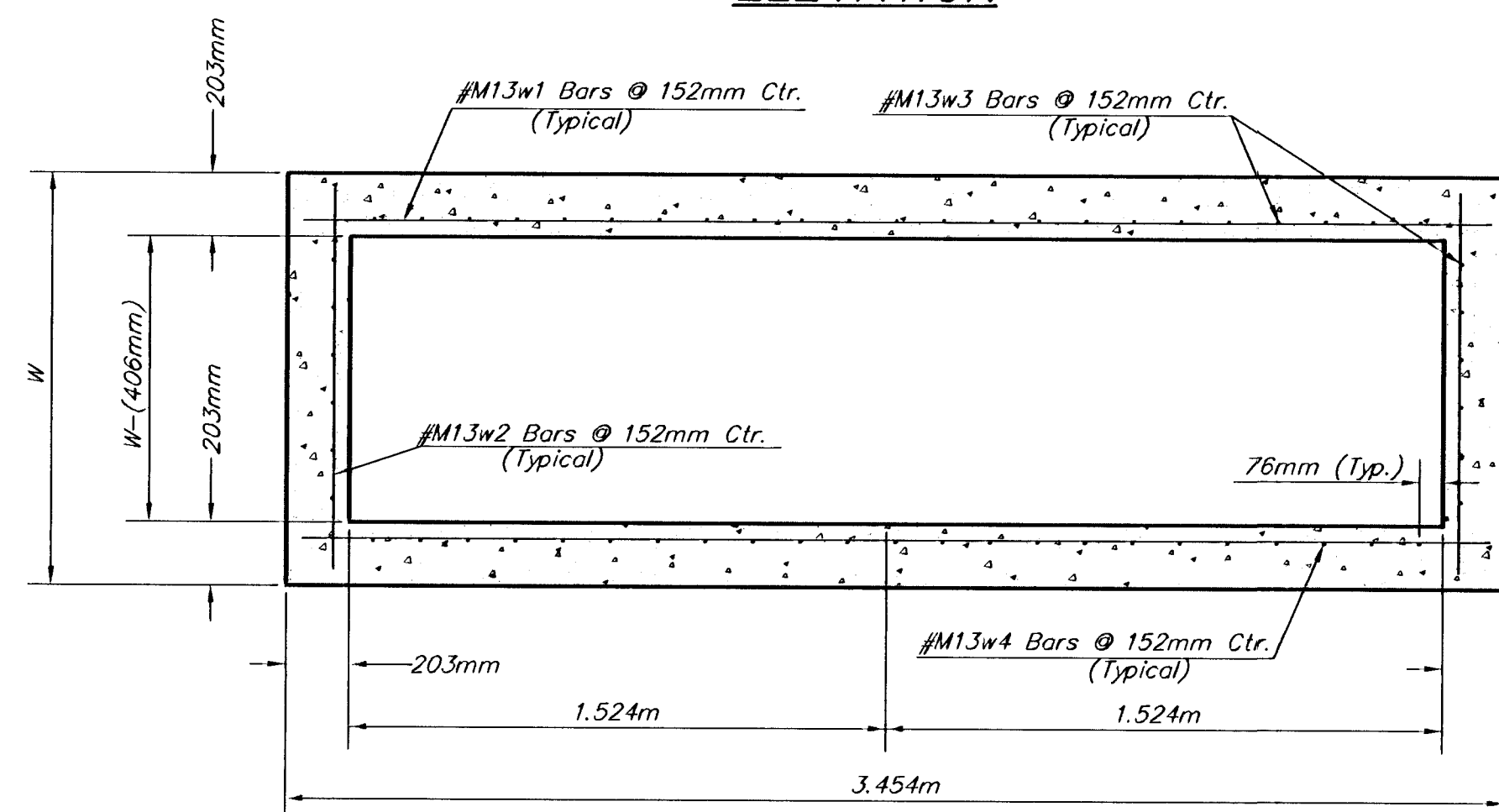
④ H - 622mm

W	PRE-CAST TOP SIZE	PIPE SIZE	CU. M. CONC.
1.321m	1.118m x 3.454m x 191mm	533mm & SMALLER	0.63±
1.626m	1.422m x 3.454m x 191mm	610mm & 762mm	0.83±
1.930m	1.727m x 3.454m x 191mm	914mm & 1.067m	1.03±
2.235m	2.032m x 3.454m x 191mm	1.219m & 1.372m	1.23±
2.540m	2.337m x 3.454m x 191mm	1.524m & 1.676m	1.43±

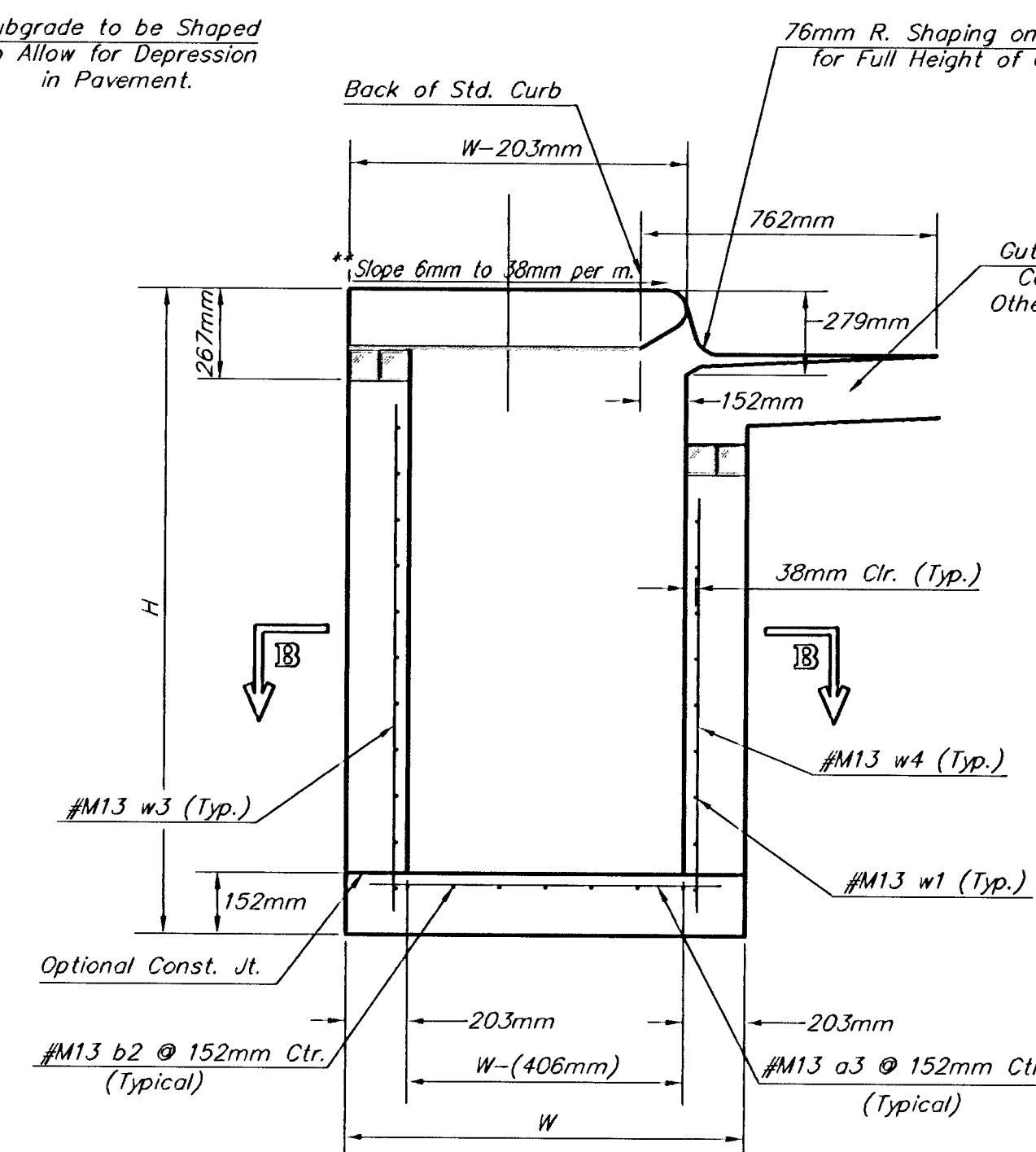
BENDING DIAGRAM



ELEVATION

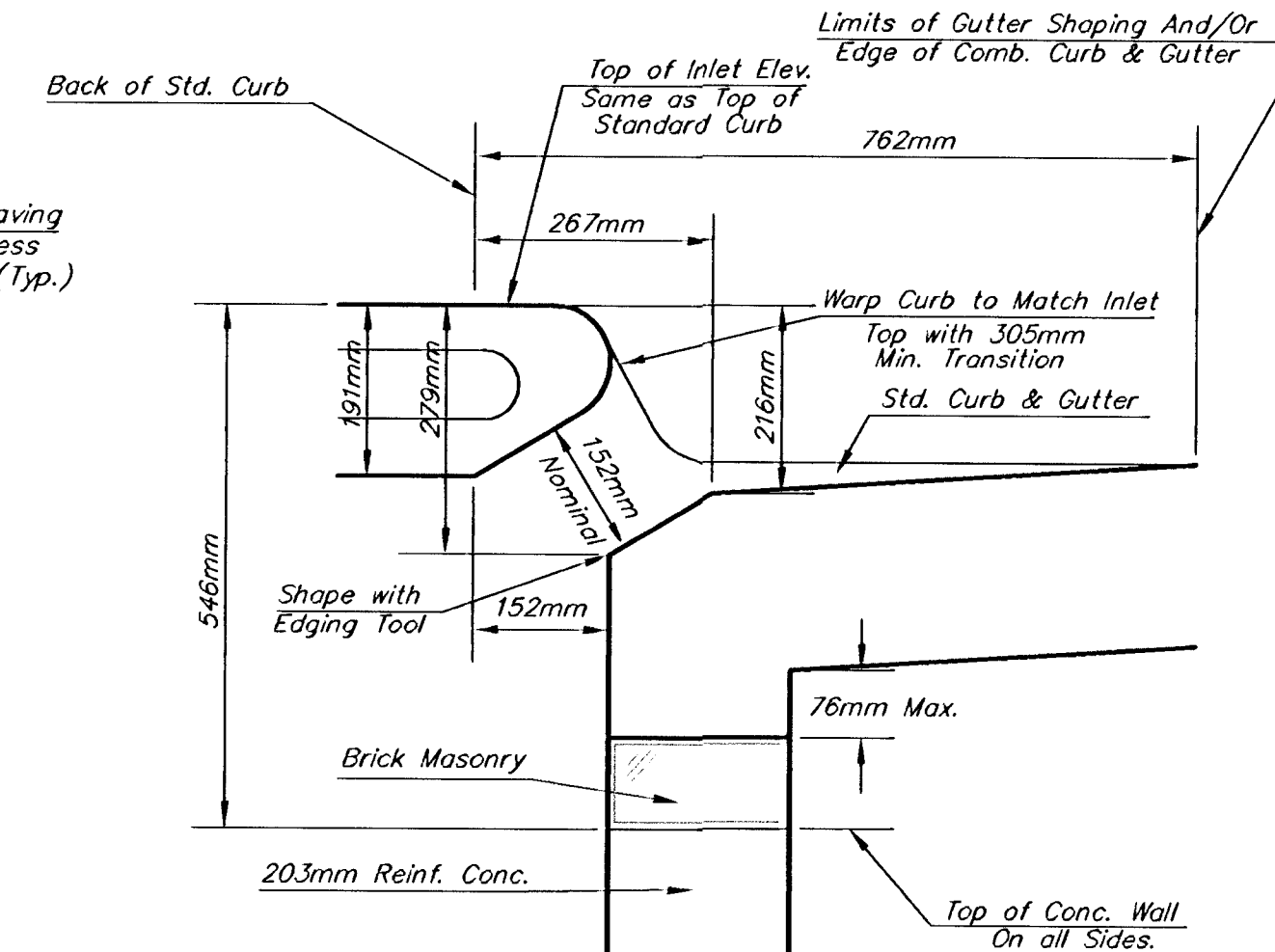


SECTION B-B

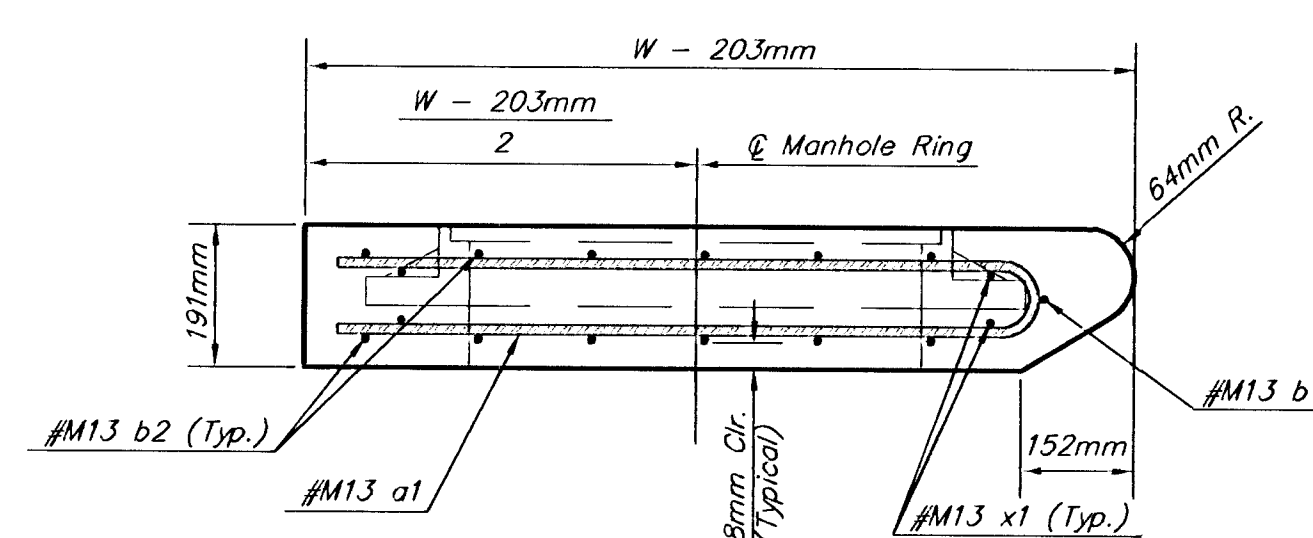


SECTION D-D

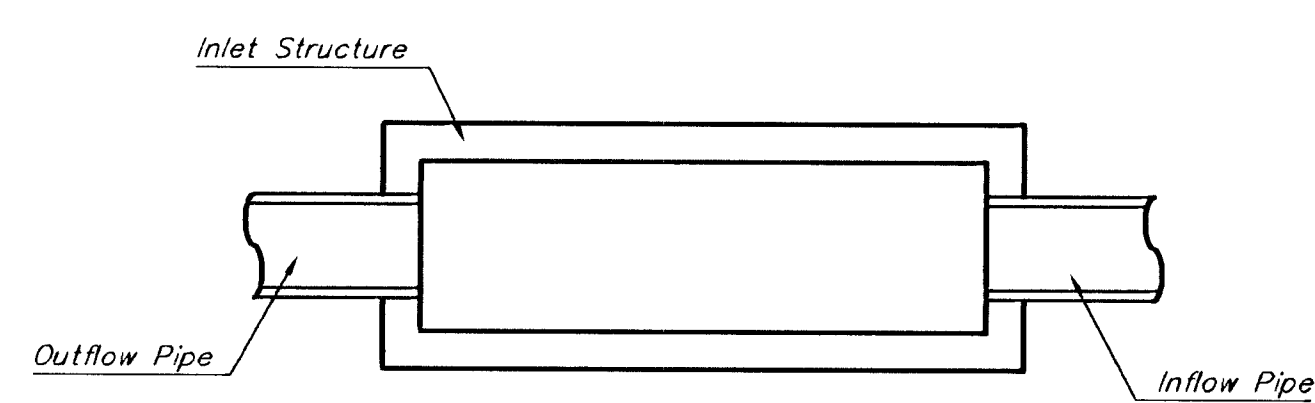
NOTES:
** Slope of inlet tops to match sidewalk of parking slopes within limits indicated



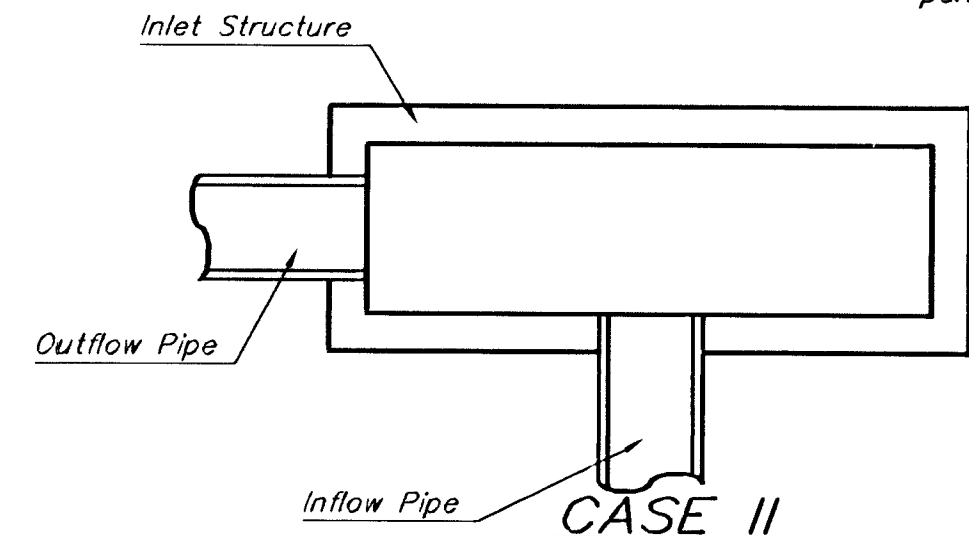
SECTION C-C



SECTION A-A



CASE I



CASE II

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 #M13 bars @ 152mm spacing and shall have a minimum clearance of 38mm 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).

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.



PROJECT NUMBER 472-83799	SHEET NAME Mstyp1-d	ENGINEERING DIRECTORY F:\LinMcLn\Details
DESIGN Staff	DRAWN Staff	APPROVED JFB
DATE July 2003	SCALE None	BAUGHMAN NO 01-03-E944

CAPITAL IMPROVEMENT PROJECT
STANDARD TYPE I DOUBLE
CURB INLET DETAILS
INLET OPENING - 152mm X 3.048m

BAUGHMAN COMPANY, P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

SHEET
16
OF
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