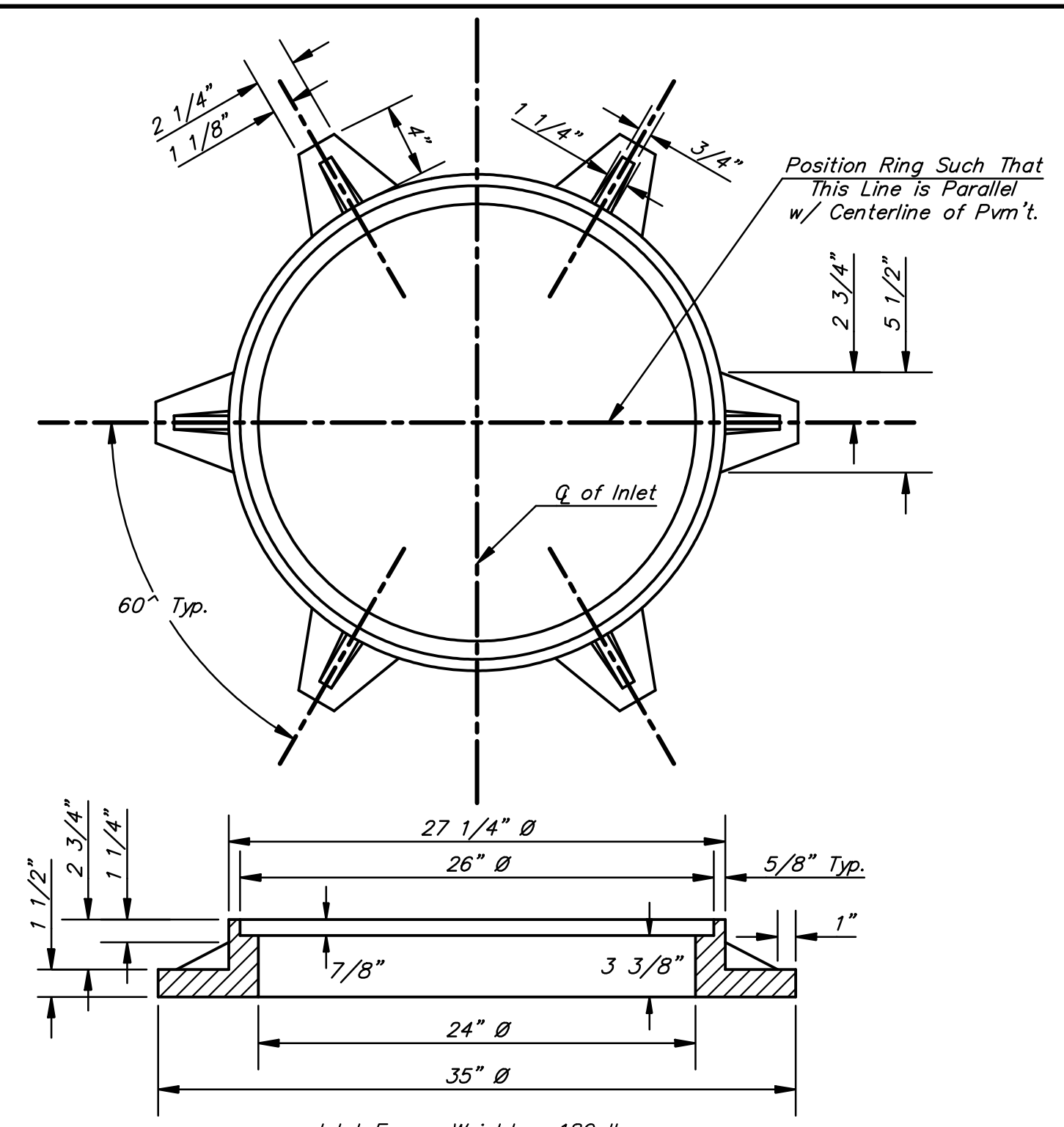


**PLAN**  
\*Left Side Shown Without Slab Reinforcing,  
Right Side Shown With Slab Reinforcing



**MANHOLE RING AND COVER**  
Inlet Frame Weight = 180 lbs  
\*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

MARK	SIZE	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"	
		NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
a1	#4	13	6'-7"	13	8'-7"	13	10'-7"	13	12'-7"	13	14'-7"
* a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	23	4'-1"	23	5'-1"	23	6'-1"	23	7'-1"	23	8'-1"
b1	#4	1	9'-9"	1	9'-9"	1	9'-9"	1	9'-9"	1	9'-9"
* b2	#4	23	11'-1"	29	11'-1"	35	11'-1"	41	11'-1"	47	11'-1"
x1	#4	16	3'-10"	16	4'-2"	16	4'-6"	16	4'-10"	16	5'-2"

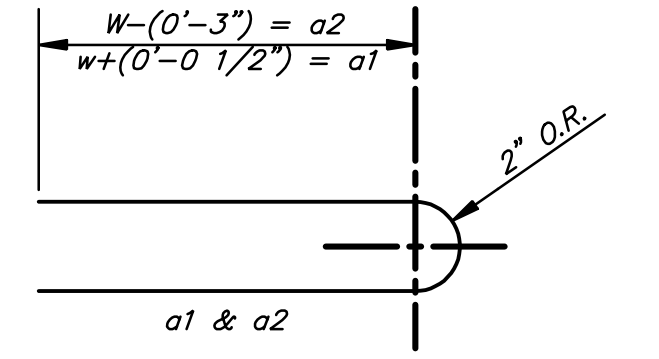
WALL REINFORCING

MARK	SIZE	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"	
		NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
w1	#4	1	11'-1"	1	11'-1"	1	11'-1"	1	11'-1"	1	11'-1"
w2	#4	1	4'-1"	1	5'-1"	1	6'-1"	1	7'-1"	1	8'-1"
w3	#4	52	2"	56	2"	60	2"	64	2"	68	2"

\* Field Bend or Cut Reinforcing as Required for Clearance.  
① 4 (H1 - 12") (H1 - 21") Rounded down to nearest 0.5"  
② H1 - 3"

STANDARD CURB INLET PRECAST TOPS

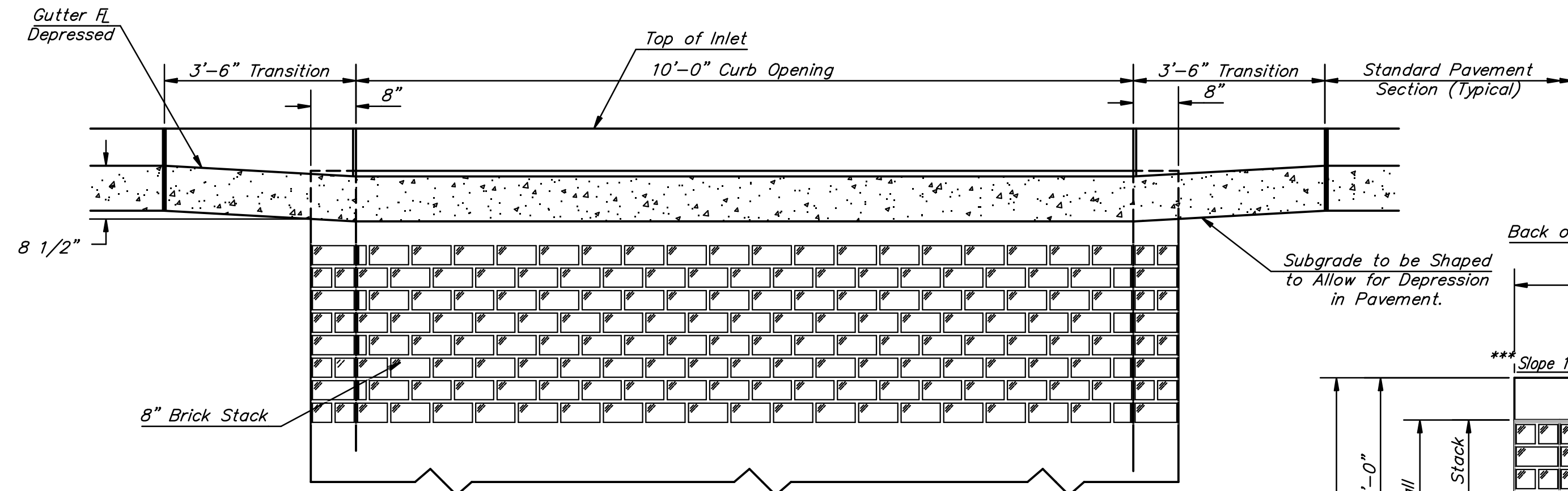
W	PRE-CAST TOP SIZE	PIPE SIZE	CU. YD. CONC.
3'-0"	3'-8" x 11'-4" x 7 1/2"	21" & SMALLER	0.83E
4'-0"	4'-8" x 11'-4" x 7 1/2"	24" & 30"	1.09E
5'-0"	5'-8" x 11'-4" x 7 1/2"	36" & 42"	1.35E
6'-0"	6'-8" x 11'-4" x 7 1/2"	48" & 54"	1.61E
7'-0"	7'-8" x 11'-4" x 7 1/2"	60" & 66"	1.87E



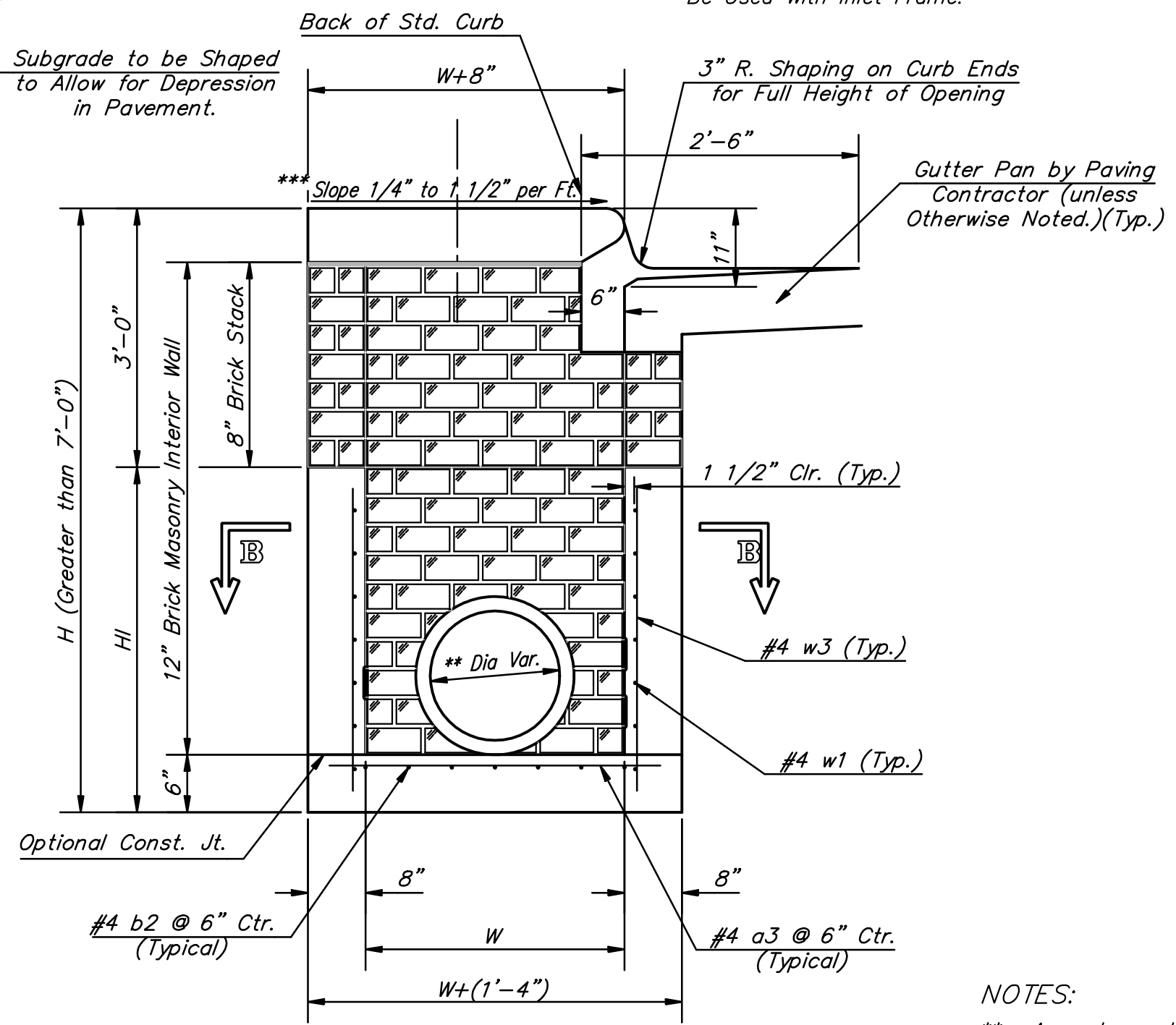
**BENDING DIAGRAM**

GENERAL NOTES

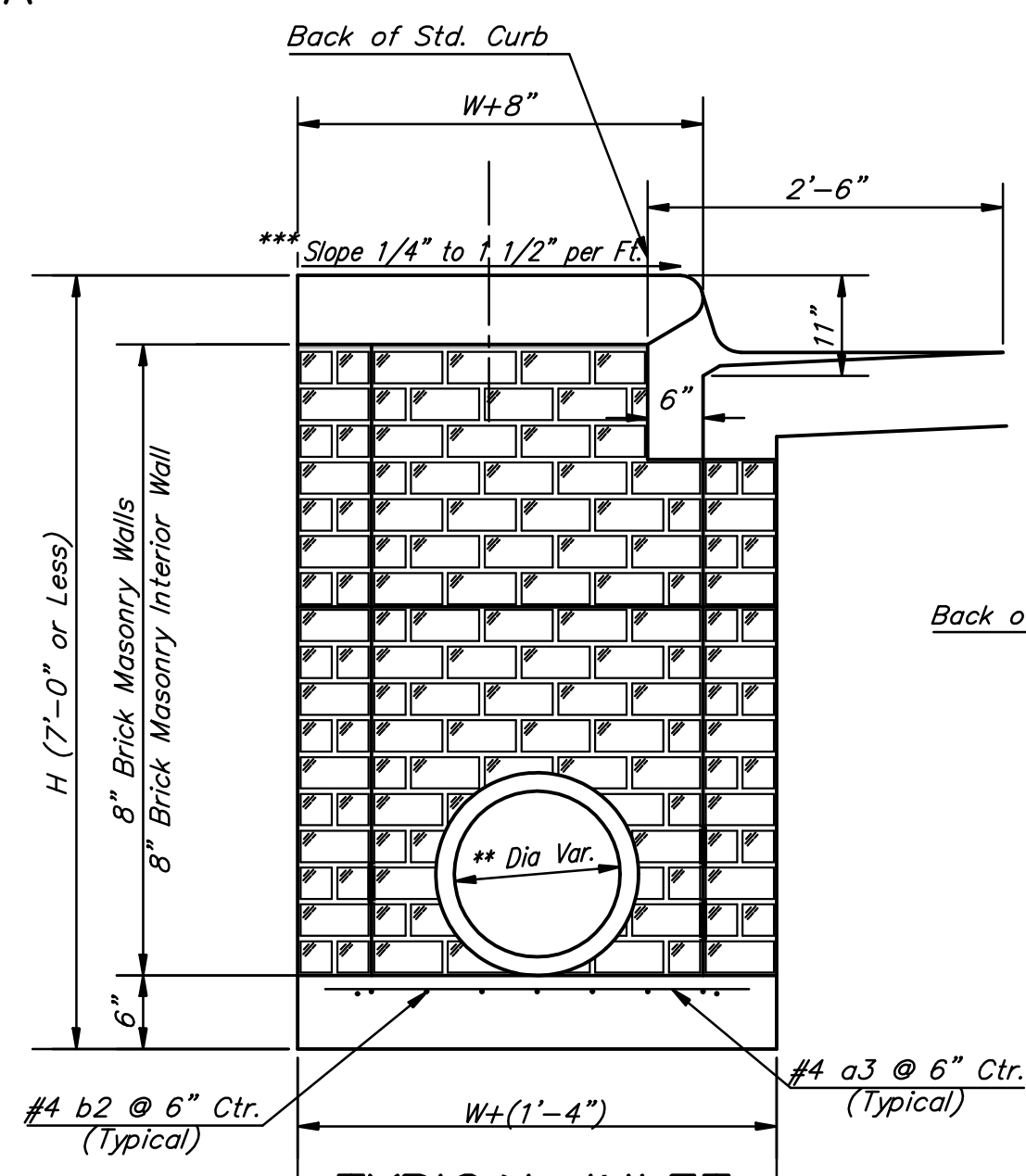
1. THE CONTRACTOR SHALL BE REQUIRED TO CONSTRUCT 8" BRICK MASONRY WALLS BETWEEN THE CONCRETE INLET BASE AND TOP WHEN W = 5'-0" OR LESS AND H = 7'-0" OR MORE. WHEN "W" IS GREATER THAN 5'-0" AND "H" IS MORE THAN 7'-0", THE OUTSIDE INLET WALLS BELOW THE BRICK STACK SHALL BE REINFORCED CONCRETE CONSTRUCTION.
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 6" SPACING AND SHALL HAVE A MINIMUM CLEARANCE OF 1 1/2" 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.



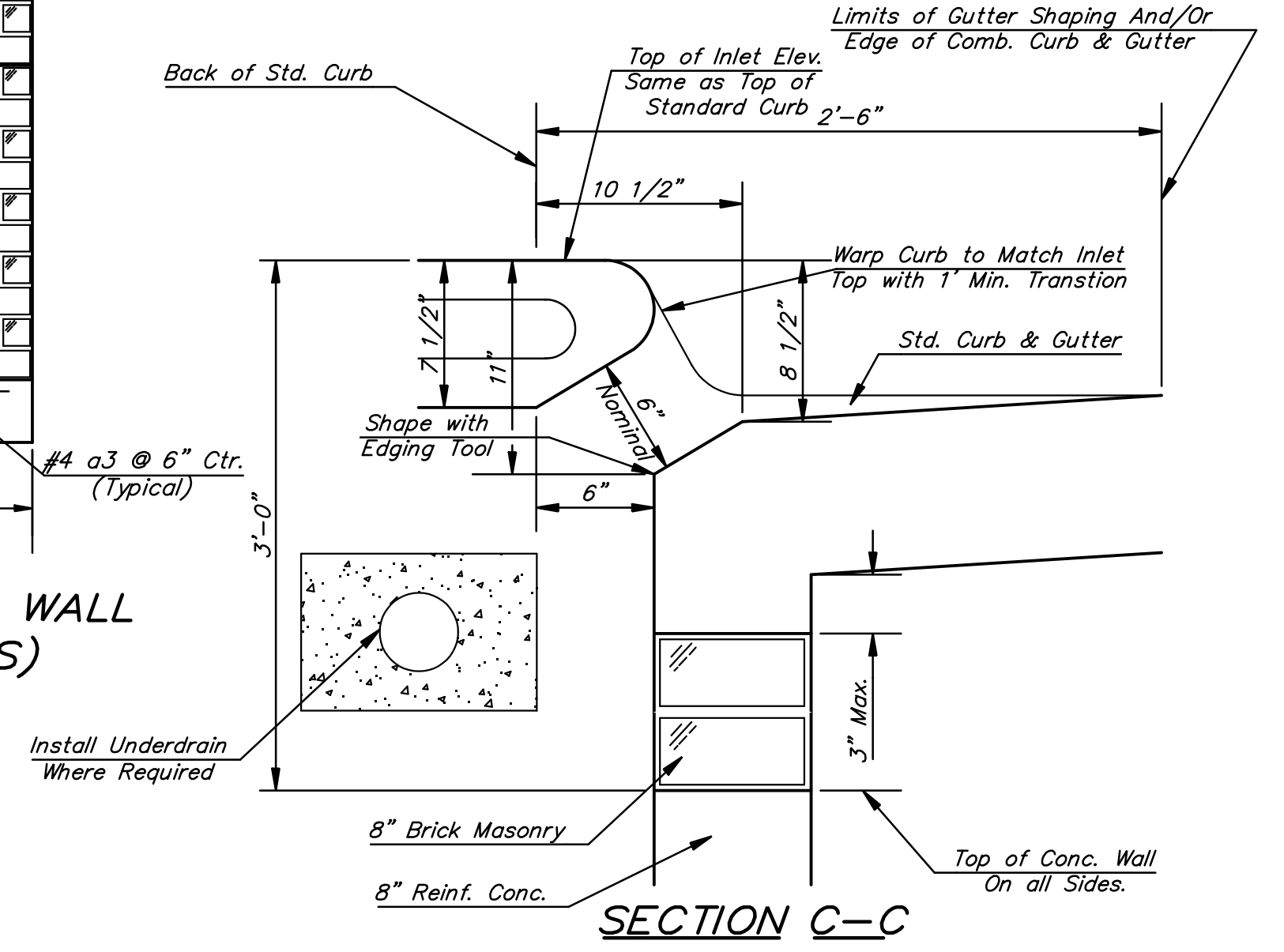
**ELEVATION**



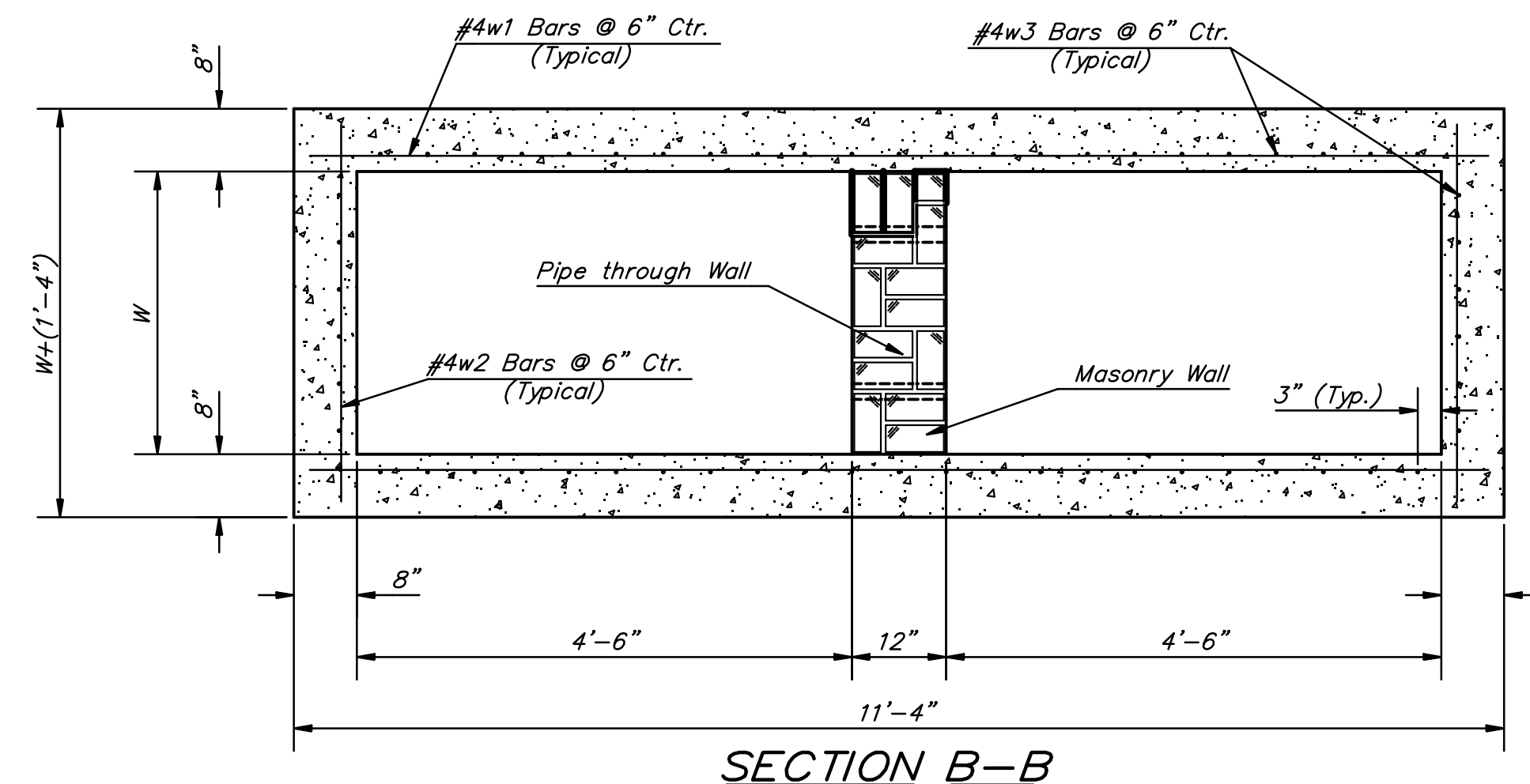
**TYPICAL INLET SECTION AT CENTER WALL (REINFORCED CONCRETE WALLS)**



**TYPICAL INLET SECTION AT CENTER WALL (MASONRY WALLS)**

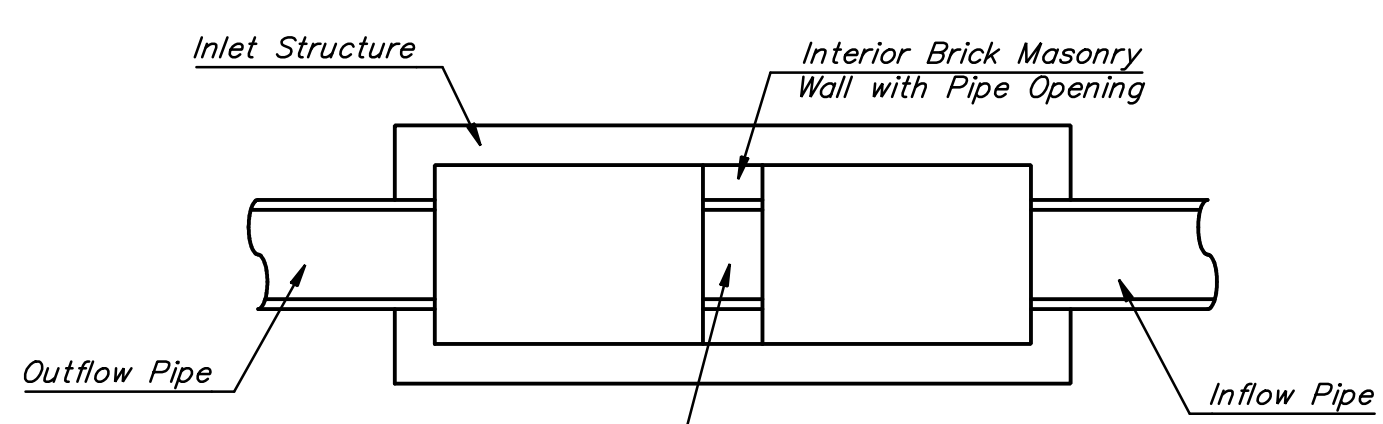


**SECTION C-C**



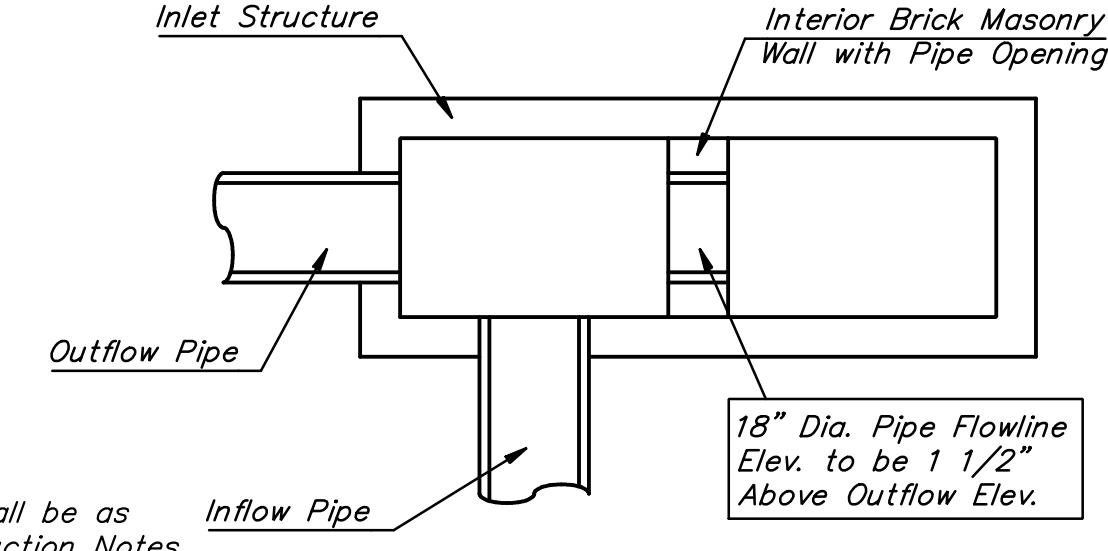
**SECTION B-B**

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



**CASE I**

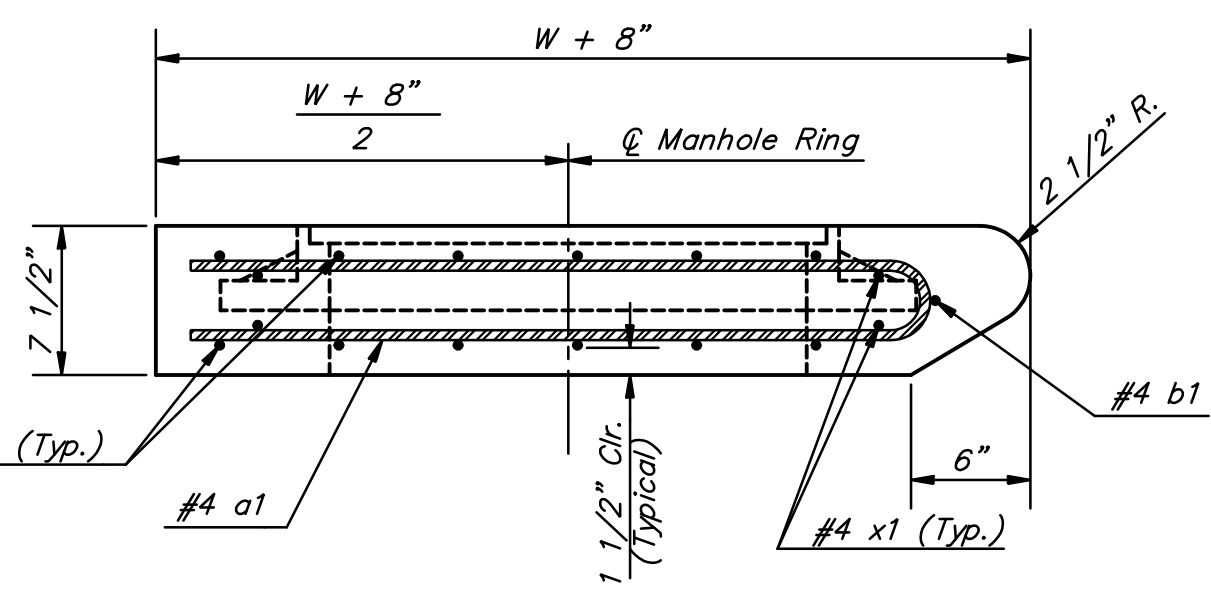
Pipe Size to be the Same as Outlet Pipe Size. Flowline Elev. to be Average of Lowest Inflow Pipe Elev. and Outflow Pipe Elev.



**CASE II**

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

18" Dia. Pipe Flowline Elev. to be 1 1/2" Above Outflow Elev.



**SECTION A-A**

**STANDARD TYPE 1 CURB INLET 10'-0" OPENING**

CITY ENGINEER  
**JAMES L. ARMOUR, P.E., L.S.**

PROJECT NUMBER: 472-84657    OCA NUMBER: XXXXXX    DATE: 08/2005

CITY ENGINEER'S OFFICE  
CITY HALL - SEVENTH FLOOR  
455 NORTH MAIN STREET  
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DESIGN: ABC    DRAWN: DEF    SHEET: R27 OF R73

REV. 8-17-01