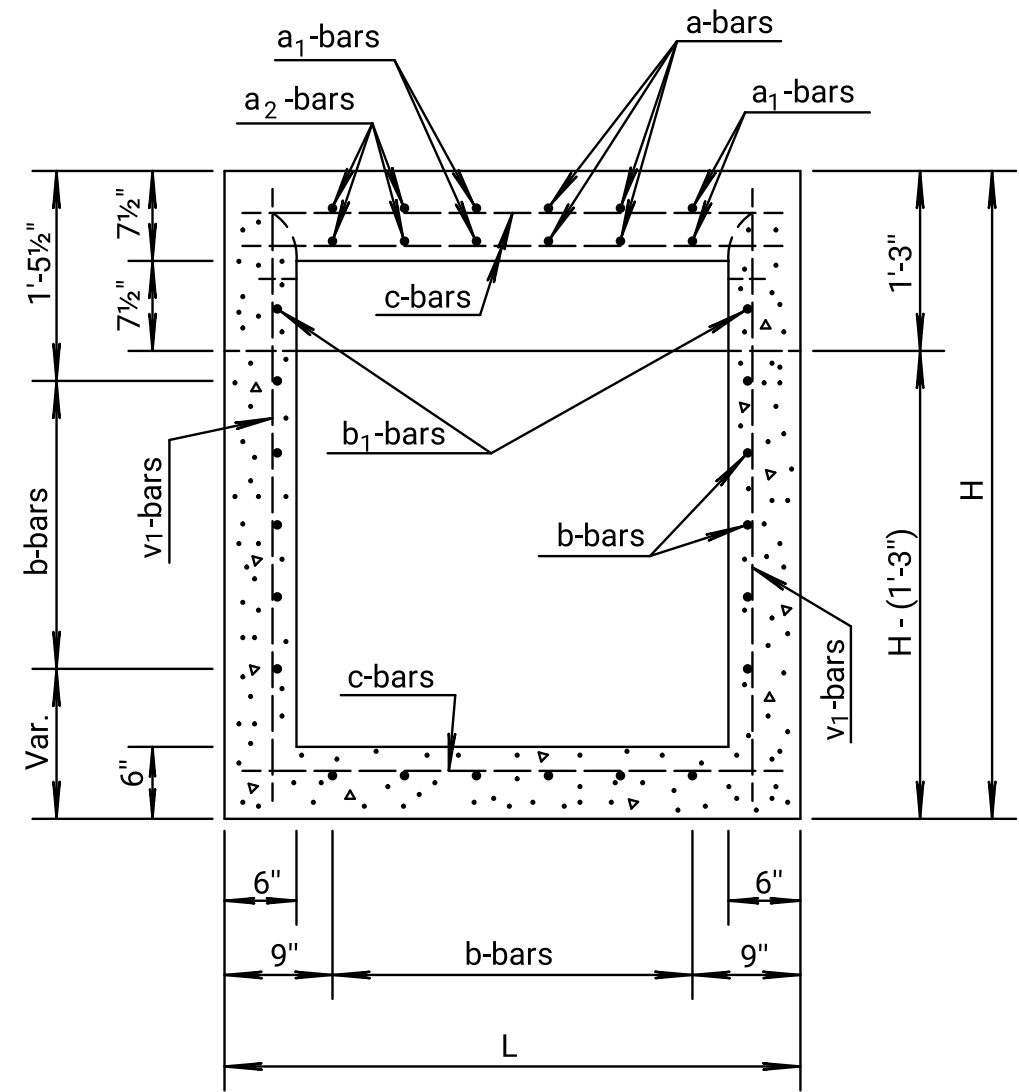
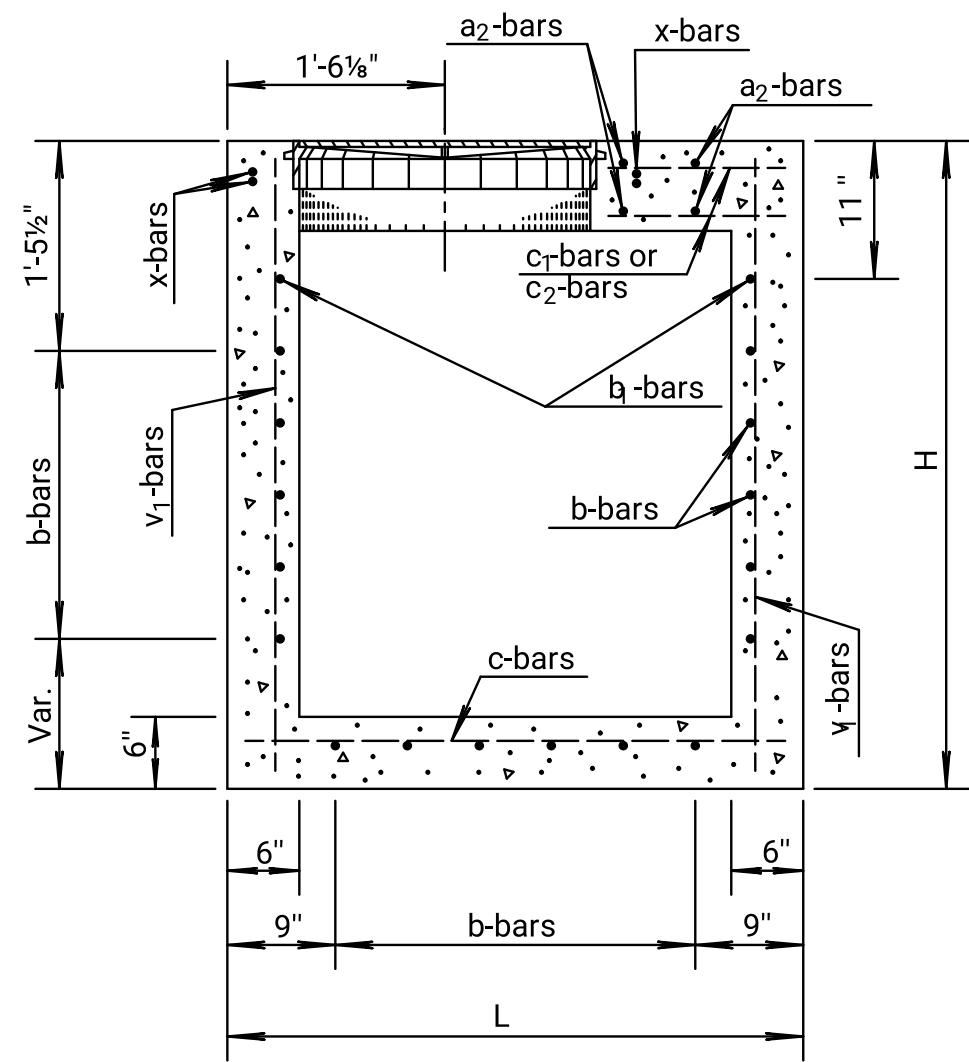
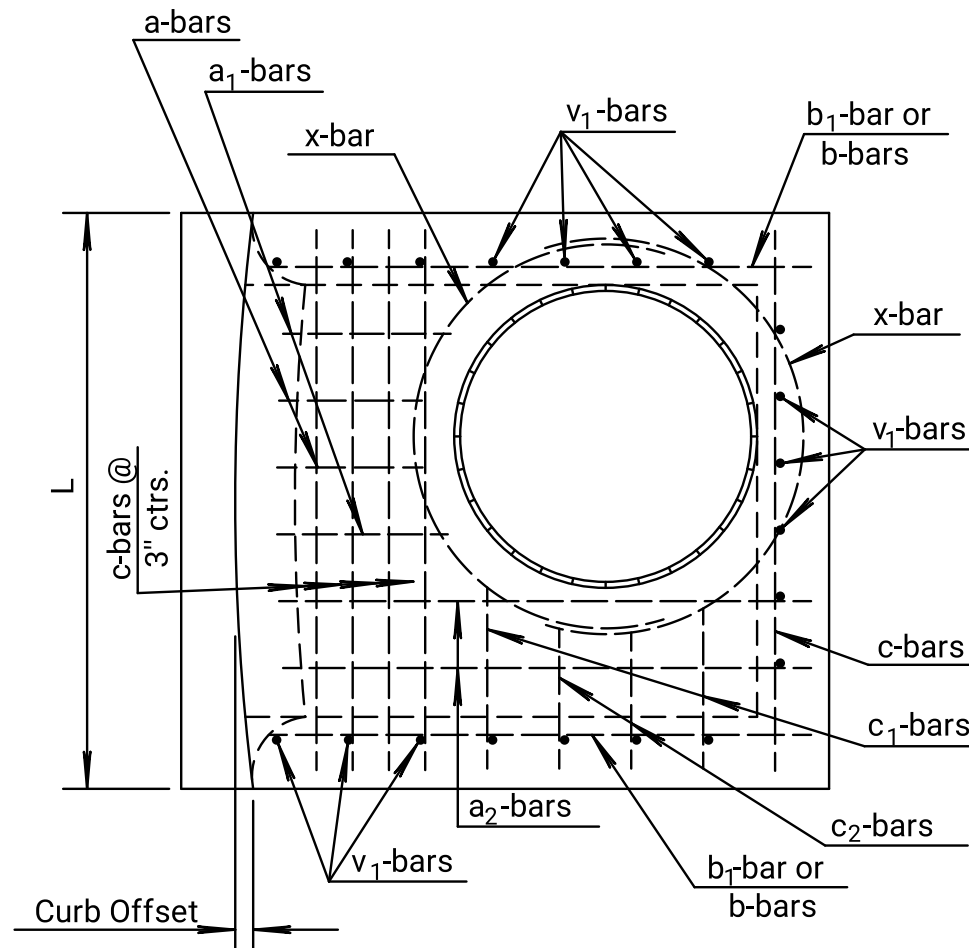




SECTION D-D

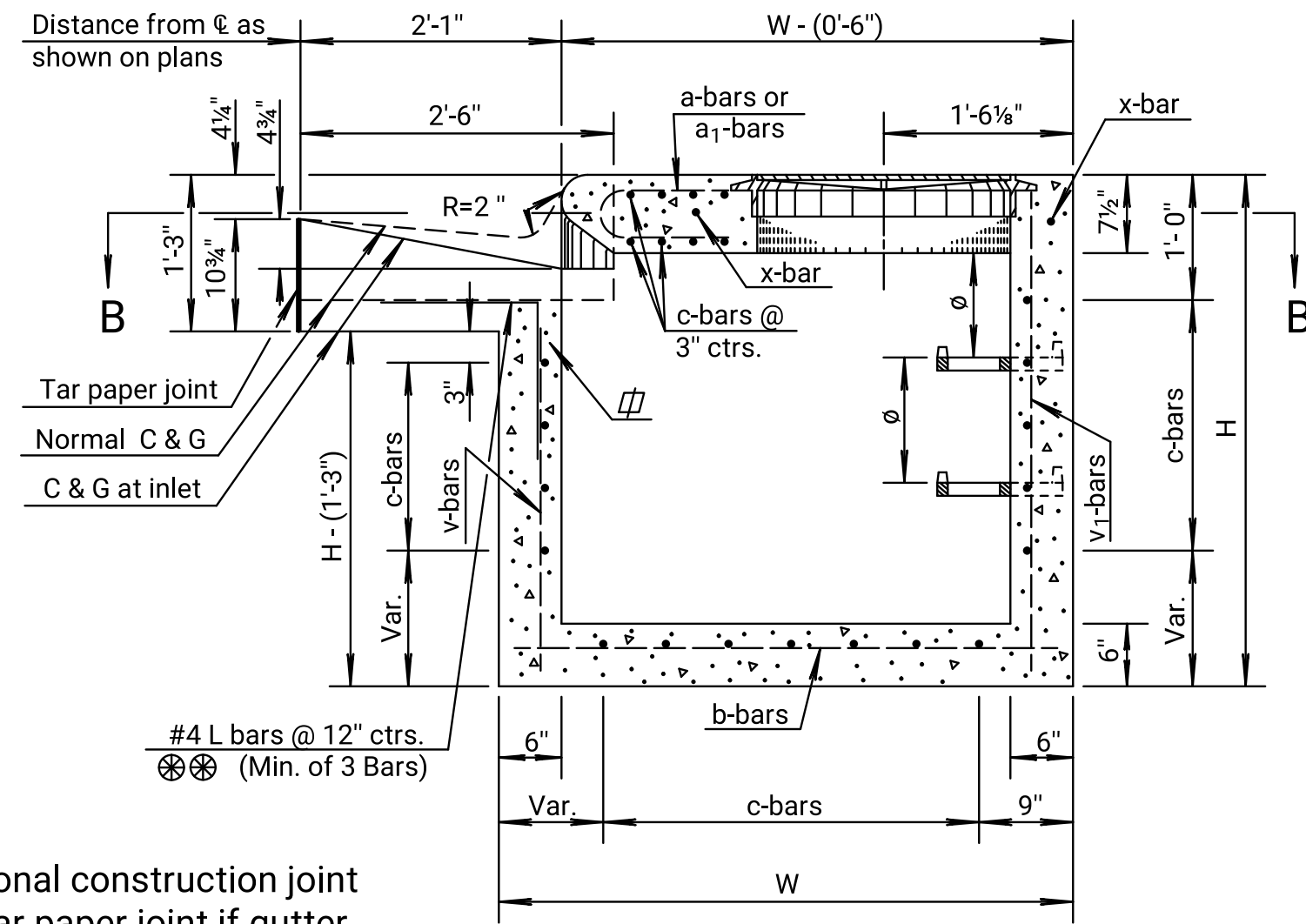


SECTION C-C



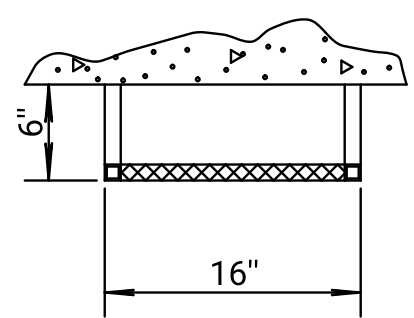
SECTION B-B

Ø Steps shall be uniformly spaced. Spacing shall be 12" minimum and 16 1/2" maximum.



SECTION A-A

Optional construction joint (or tar paper joint if gutter is constructed free from inlet).



STEP DETAILS

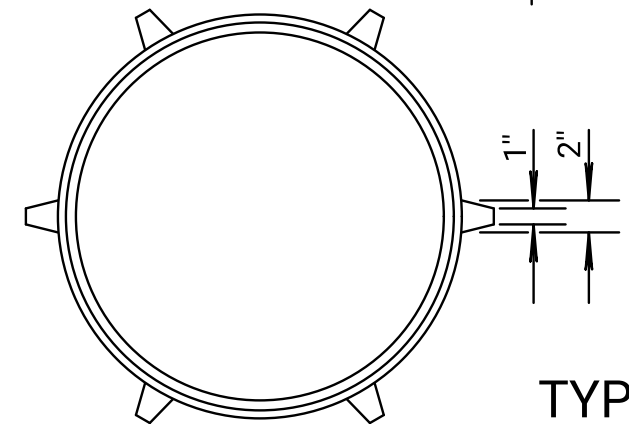
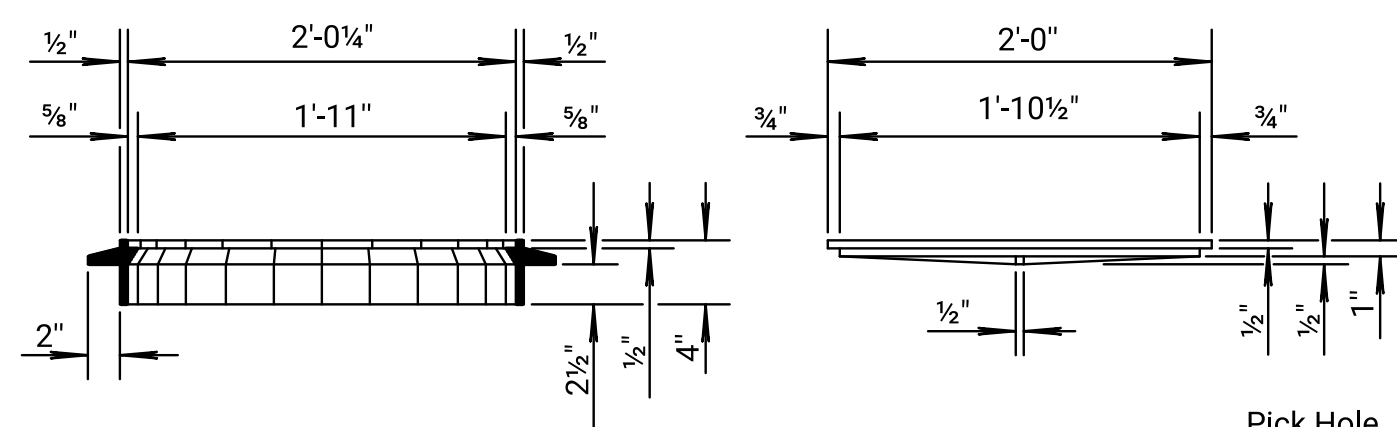
LENGTH OF INLET	RADIUS OF RETURN						
	20'	25'	30'	35'	40'	45'	50'
4'	1 1/8"	1"	3/4"	5/8"	5/8"	1/2"	1/2"
5'	1 1/8"	1 1/2"	1 1/4"	1"	7/8"	7/8"	3/4"
6'	2 5/8"	2 1/8"	1 3/4"	1 1/2"	1 3/8"	1 1/4"	1"
7'		2 7/8"	2 3/8"	2 1/8"	1 7/8"	1 3/8"	1 1/2"
8'			3 1/8"	2 3/4"	2 3/8"	2 1/8"	1 7/8"
9'					3"	2 5/8"	2 3/8"
10'							3"

Note: All reinforcing shall be #4 at 6" centers except where noted. Minimum clear distance to reinforcement shall be 1 1/2".

At the Contractors option, gutter may be constructed continuous, L bars omitted, and a 1/2" Expansion joint installed between gutter and face of inlet and between curb and side of inlet with a tar paper joint between bottom of gutter and top of wall. In this method of construction, the inlet shall be completely free of the gutter and curb.

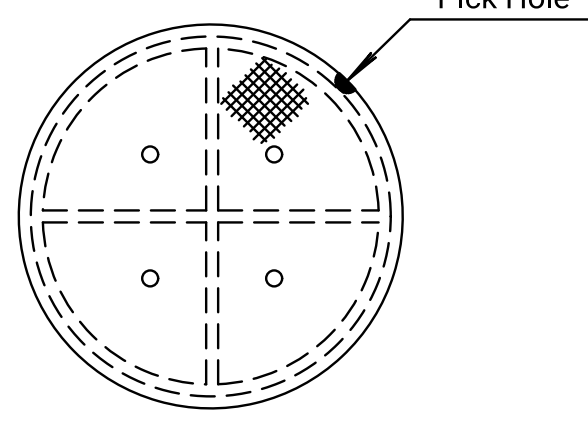
Hot or cold poured joint sealing compound or premolded Exp. Jt. Filler (Type B or C).

CURB OFFSETS



CAST IRON MANHOLE RING

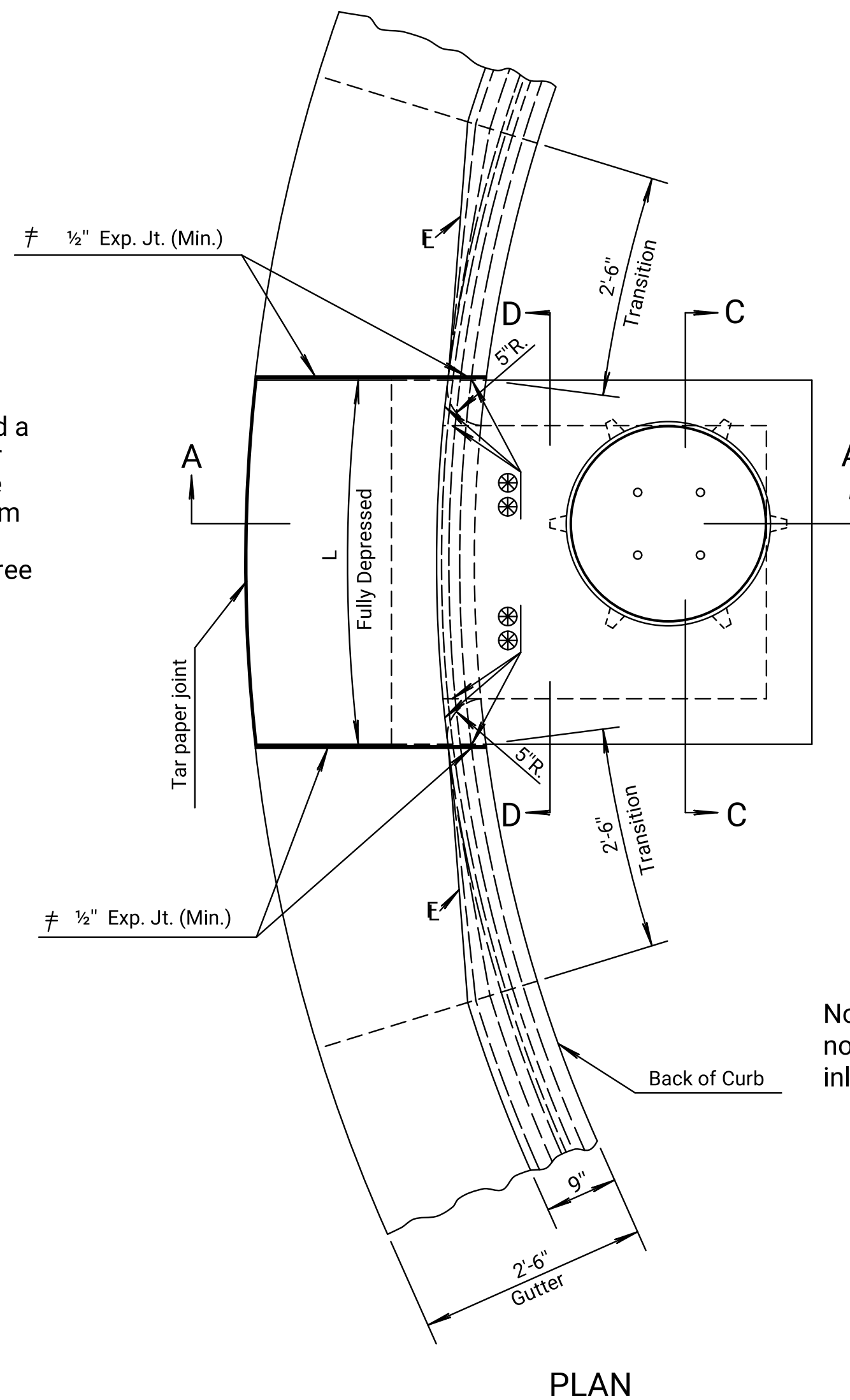
Weight = 53 lbs.



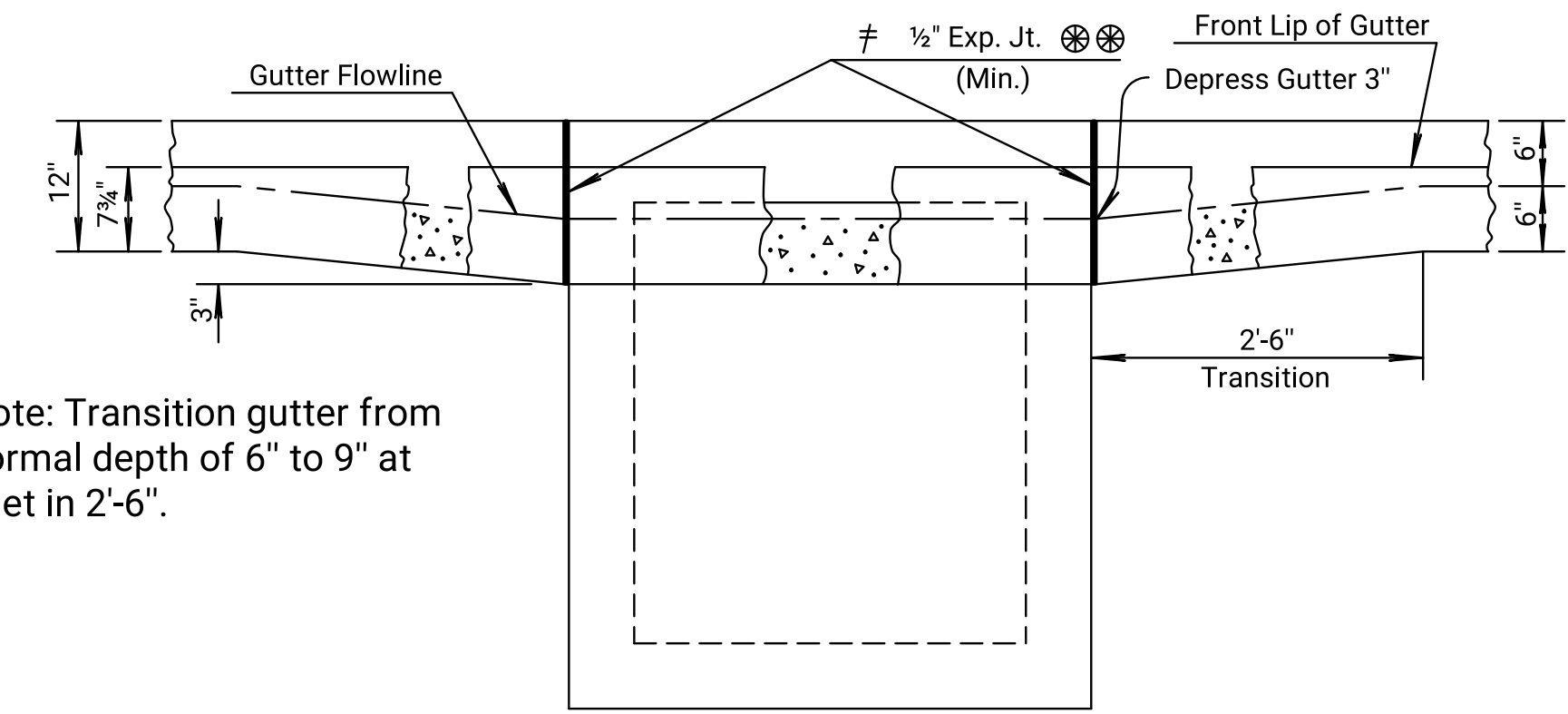
CAST IRON MANHOLE COVER

Weight = 64 lbs.

Rings with four equally spaced lugs will be permitted.



PLAN



Note: Transition gutter from normal depth of 6" to 9" at inlet in 2'-6".

Notes:

Concrete Grade 3.0, Concrete Grade 3.0 (AE), or the mix used in Concrete Pavement, at the Contractor's option, shall be used throughout.

All exposed edges shall be finished with an edging tool. Reinforcing bars shall be bent around pipe.

No reduction in concrete quantities shall be made for pipe openings.

When directed by the Engineer, a small opening in the back of the inlet shall be provided in order to drain a low area. Reinforcing bars shall extend through the opening. No reduction in concrete quantities will be made for this opening.

When directed by the Engineer, the top of the inlet shall be sloped slightly to approximately fit the ground line or other conditions.

The floor of the inlet shall be shaped as shown in various "EXAMPLES" on Reinforced Concrete Manhole Standard Drawing RD633.

No addition in concrete quantities shall be made for shaping floor of inlet.

No reduction in pay length of curb, gutter, or curb & gutter will be made through the inlet area.

All structural steel shall comply with ASTM A-36, A-242, or A-441.

All castings shall be gray iron and shall comply with KDOT Standard Specifications.

The weight of castings includes no allowance for fillets and overruns.

Curb and Gutter sections shall be shaped as shown where required by the installation of curb inlets. This work shall be subsidiary to other bid items.

See sheet entitled "Reinforcing Steel for Inlets and Manholes" for details and quantities.

Steps shall be installed in all storm sewer inlets when specified in the plans or when "H" is equal to or greater than six feet. Steps shall comply with the requirements of the KDOT Standard Specification.

For additional notes and details on Light Type Cast Iron Manhole Cover and Ring Type C, and Cast Iron Steps, see Standard Drawing RD633 "Reinforced Concrete Manhole."

11	10-31-17	Joint Filler Type C Added	A.L.R.	S.W.K.
10	01-28-05	Changed Class to Grade concrete	S.W.K.	J.O.B.
09	12-11-97	Revised step spacing	R.J.S.	J.O.B.

NO.	DATE	REVISIONS	BY	APPD
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KANSAS DEPARTMENT OF TRANSPORTATION				
TYPE 22 RADIUS CURB INLET				
RD645				
FHWA APPROVAL		03-05-18	APPD.	Scott W. King
DESIGNED	CK.	QUANTITIES	TRACED	
DESIGN	CK.	QUAN.	TRACE	CK.