

CAST IRON MANHOLE RING

The diagram illustrates the inlet structure of a manhole. It shows a cross-section of the structure with an 'Inflow Pipe' entering from the right. The pipe passes through an 'Inlet Structure' and then through the 'Interior Brick Masonry Wall with Pipe Opening'. The diagram is labeled with 'Inlet Structure', 'Interior Brick Masonry Wall with Pipe Opening', and 'Inflow Pipe'.

Inlet Structure

Interior Brick Masonry Wall with Pipe Opening

Inflow Pipe

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.

Inlet Structure

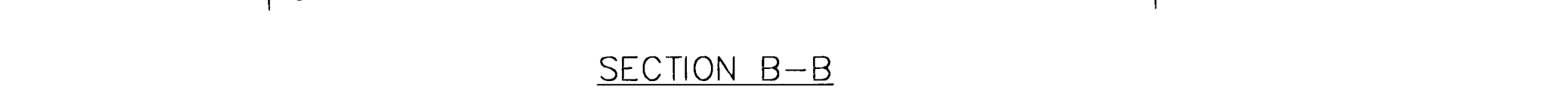
Interior Brick Masonry Wall with Pipe Opening

600mm Dia. Pipe Flowline
Elev. to be 35mm above
Outflow Elev.

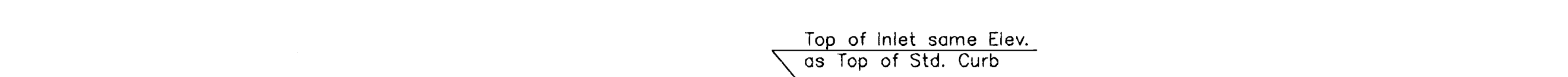
450mm Dia. Pipe Flowline
Elev. to be 75mm above
Outflow Elev.

Interior Wall Pipe Size shall be as specified
in the Inlet Construction Note on the Plan/
Profile Sheets for those Cases not shown here.

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① 4(HI-300mm); (HI-300mm) Round down to nearest 150mm
② HI-75mm



CT INVERT SHALL BE SHAPED WITH 8 SACK SAND MIX CONCRETE TO
RATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH
THAT THE JUNCT. WILL BE SELF-CLEANING BETWEEN ALL INLET AND/OR

* An Interior Wall Opening shall be provided by
means of a section of Reinforced Conc. Pipe.
See CASE I and CASE II.

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

CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE
L SUPPORT ALONG CURB WALLS. CONCRETE TOPS MAY BE CAST IN

STANDARD CURB INLET PRECAST TOPS		

1 300	1 100 x 4 900 x 190	525mm & SMALLER	1.20±
1 600	1 400 x 4 900 x 190	600mm & 750mm	1.58±

2 200	2 000 x 4 900 x 190	1200mm & 1550mm	2.70±
2 500	2 300 x 4 900 x 190	1500mm & 1650mm	2.70±
