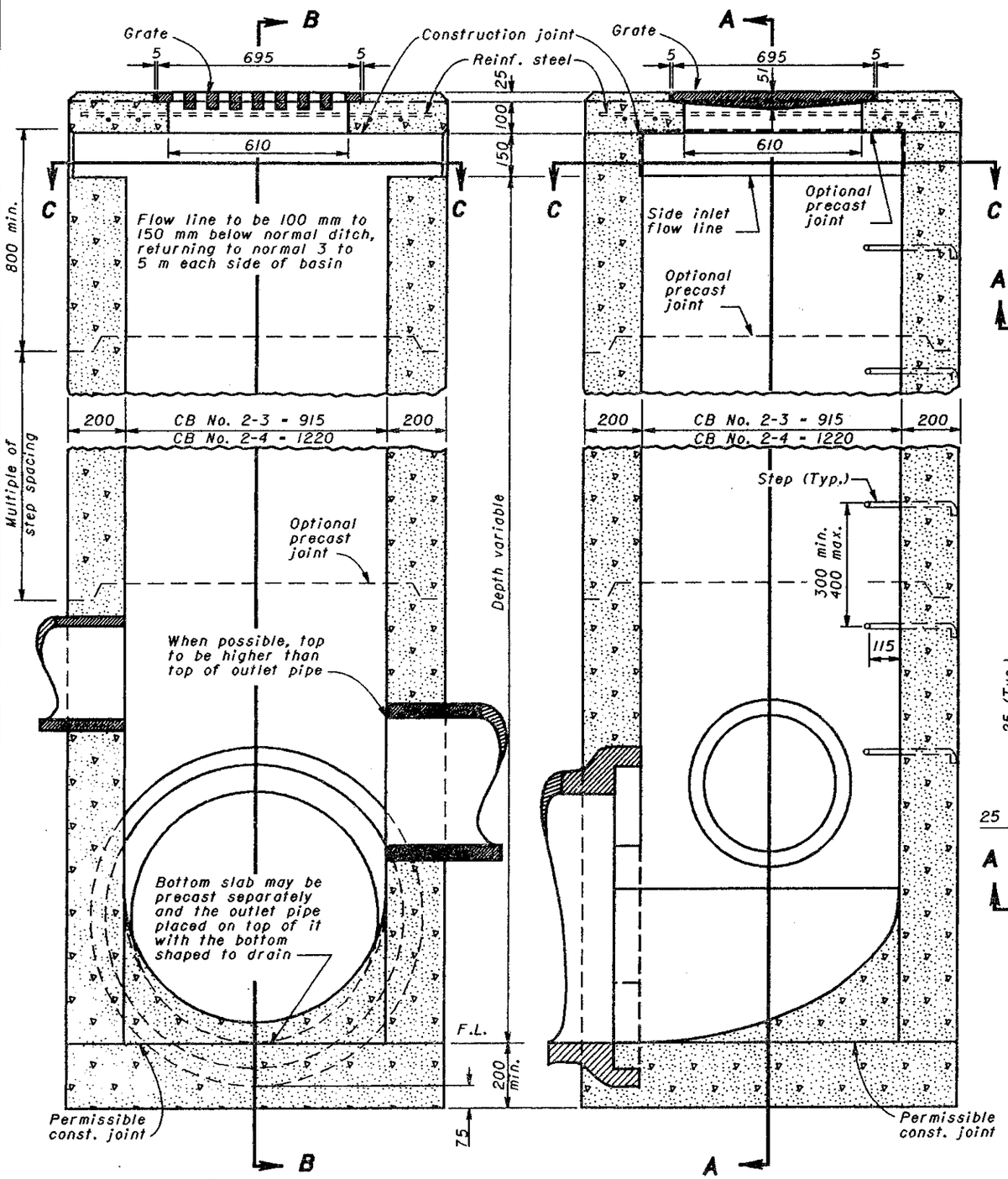
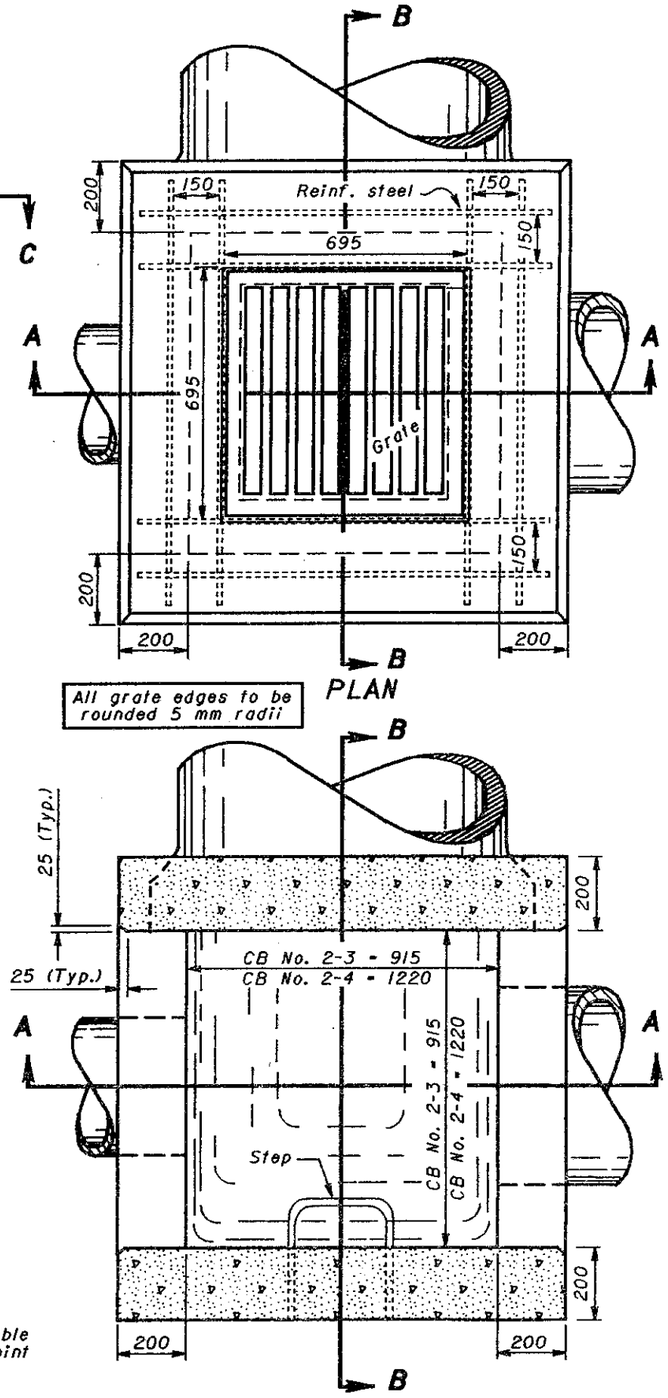
# CATCH BASINS No. 2-3 & No. 2-4




## NOTES

**GRATE:** See Detail on Std. Constr. Dwg. CB-1.1M. Minimum mass of grate: 54 kg.

**WALLS:** Brick or cast-in-place walls shall have a nominal thickness of 200 mm. Precast walls shall have a minimum thickness of 150 mm and be reinforced sufficiently to permit shipping and handling without damage.

**STEPS:** Steps shall be provided where the depth exceeds 1.8 m and shall meet the requirements of MH-1.1M.

**CONCRETE:** Cast-in-place concrete is to be Class C. All precast concrete shall meet the requirements of CMS 706.13 a minimum of 4% entrained air in the hardened concrete and be marked with the catch basin number.

**REINFORCEMENT:** Reinforcing in the top is to be #15M bars spaced at 150 mm center to center. For Catch Basin No. 2-3 use eight bars and for Catch Basin No. 2-4 use twelve bars.

**INLETS OVER 3.5 m IN DEPTH:** Shall be precast or cast-in place concrete; reinforced with #15M bars on 300 mm centers both vertically and horizontally with 50 mm clearance from inside wall face.

**PRECAST BASE:** If a precast base is used, it shall be set deep enough so that the top can be placed on the base to provide the grate elevation specified in the plans. Layers of brick shall not be used to adjust the top elevation.

**LOCATION AND ELEVATION:** When given on the plans, the location and the elevation are at the top center of the grate. When side openings are provided, the elevation shall be at the flow line of the side inlet.

**MINIMUM DEPTH:** The minimum depth of CB No. 2-3 and CB No. 2-4 shall be the outside diameter (O.D.) of the outlet pipe plus 180 mm.

**OPENINGS:** Pipe openings shall be the O.D. of the pipe being supplied plus 50 mm when prefabricated or field cut. The interstitial space shall be filled with grout per CMS 601.

**SIDE INLETS:** Shall be provided only when specified on the plans.

| CATCH BASIN SIZE | OUTLET PIPE SIZE |
|---|---|
| 2-3 | 300 to 750 mm |
| 2-4 | 900 to 1050 mm |

**All dimensions are in millimeters unless otherwise noted.**

metric units

**This Drawing Replaces CB-2-3 & 2-4.**

BUREAU OF LOCATION AND DESIGN
OHIO DEPARTMENT OF TRANSPORTATION

**CATCH BASINS No's 2-3 & 2-4**

DATE 7-12-95

STANDARD CONSTRUCTION DRAWING **CB-1.2M**

APPROVED D. K. Hulman
ENGR., L & D