

* Unless otherwise shown on plans

CAST-IN-PLACE CONCRETE

REINFORCED PRECAST CONCRETE

BRICK WALLS

NOTES

GRATE AND FRAME: The design shall be essentially the same and equally as strong as those shown hereon.

BEARING AREAS: of frame and grate shall be so fitted and finished as to provide a firm and even seat for all portions of the grate in the frame. No projections shall exist on bearing areas of either casting and the grate shall seat in its frame without rocking. Frame and grate shall be fitted, matched and marked before delivery to the project.

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.

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

MINIMUM DEPTH: The minimum depth shall be the outside diameter (O.D.) of the outlet pipe plus 385 mm.

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

DOWELS: Four 25x460 mm dowels are required for concrete pavement and curb. See Std. Constr. Dwg. BP-2.2M for dowel detail.

BLOCKOUT APRONS: Shall be Class C concrete. Cost of apron shall not be included in catch basin bid price when located in PCC pavement, and no deduction in normal pavement quantities shall be made because of the blockout. When adjacent paving is asphalt, the dowels shall be omitted and the cost of the concrete apron shall be included in the catch basin bid price. Cost of curb, if any, shall be included in CMS 609. For basins without curb, the grate elevation shall be 25 mm below the normal pavement slope measured at the center of the grate.

CONSTRUCTION INFORMATION	
Minimum mass of grate, 95 kg	
Minimum mass of frame, 120 kg	

All dimensions are in millimeters unless otherwise noted.



This Drawing Replaces CB-6.

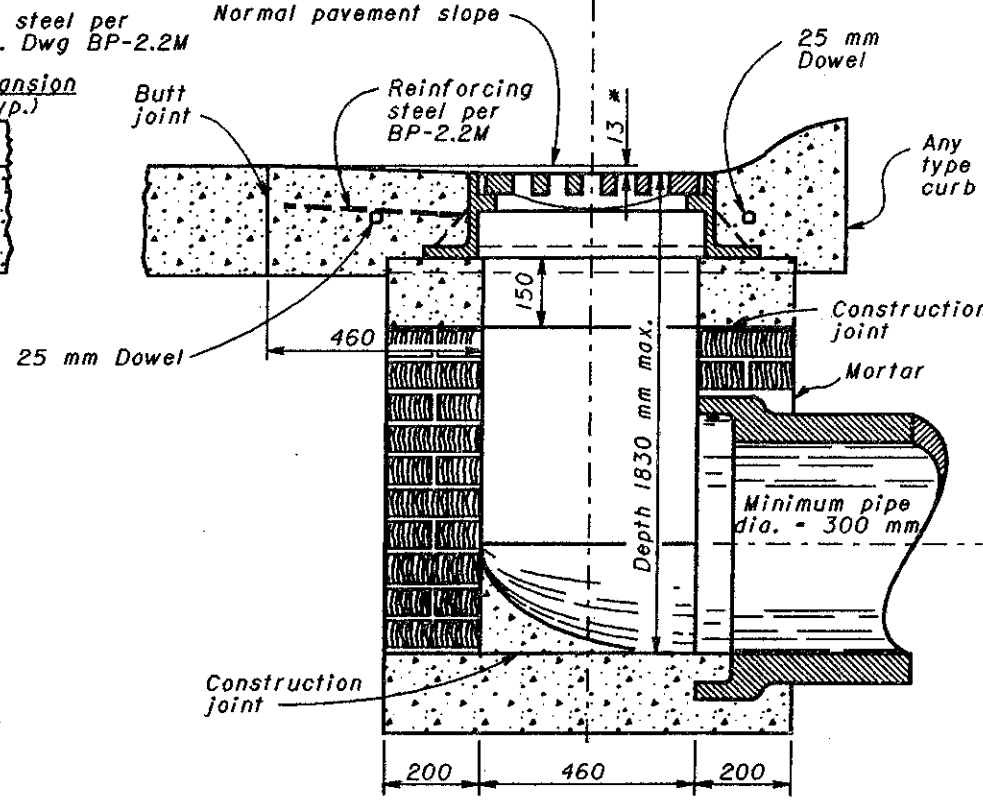
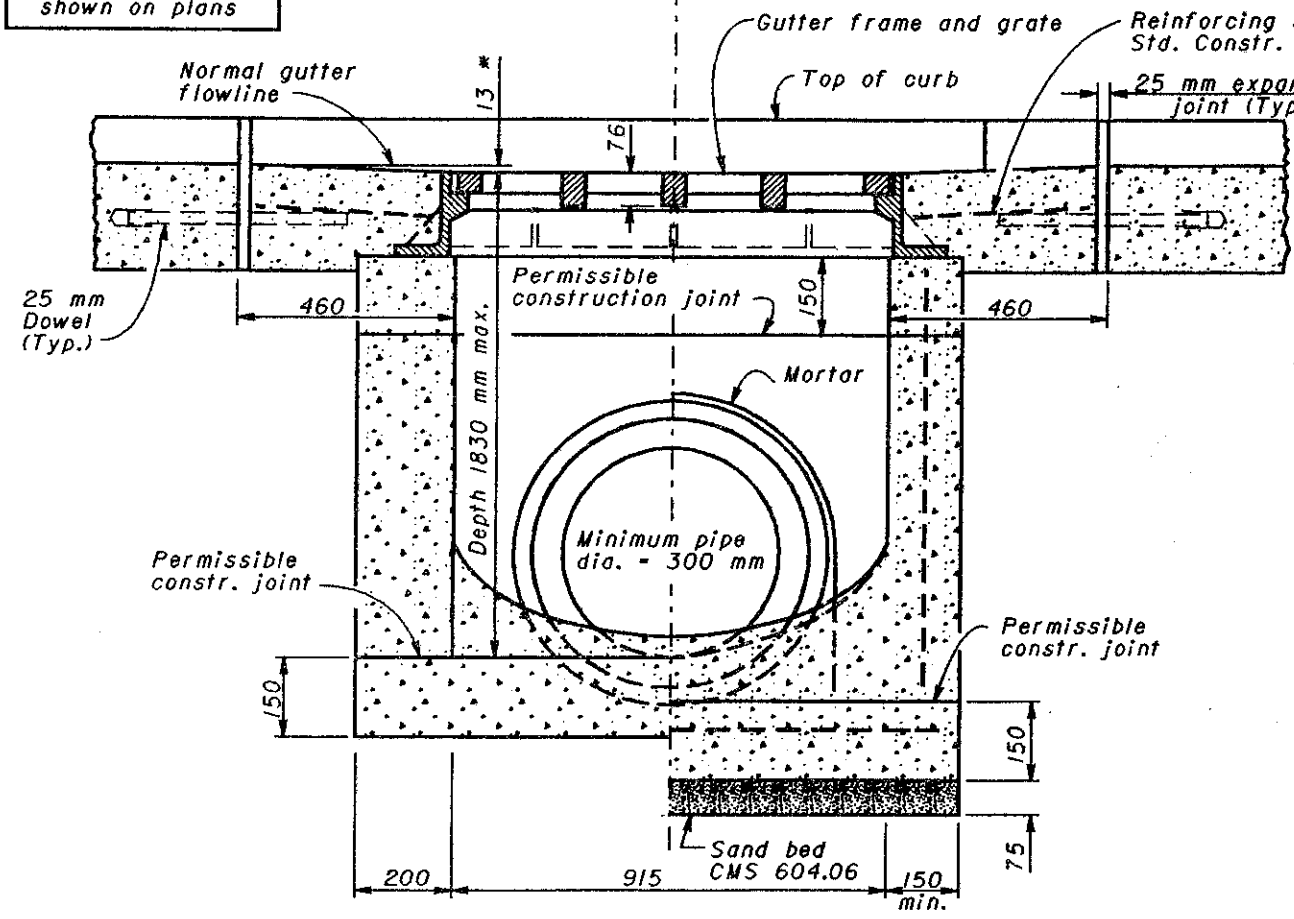
BUREAU OF LOCATION AND DESIGN
OHIO DEPARTMENT OF TRANSPORTATION

CATCH BASIN No. 6

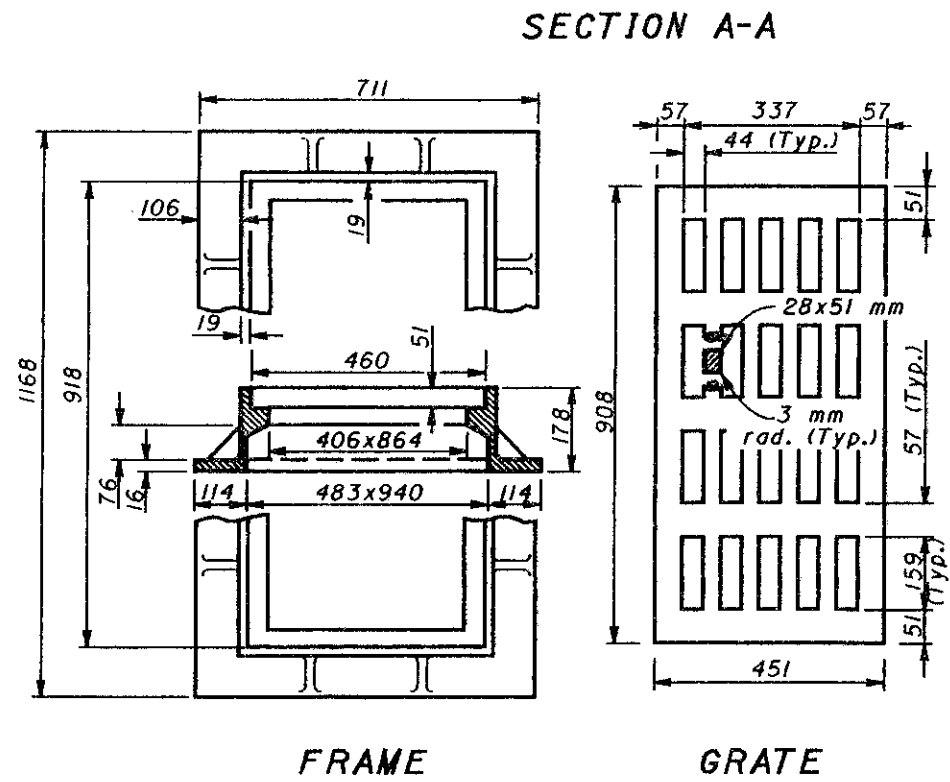
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7-12-95

STANDARD CONSTRUCTION DRAWING
CB-2.3M

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

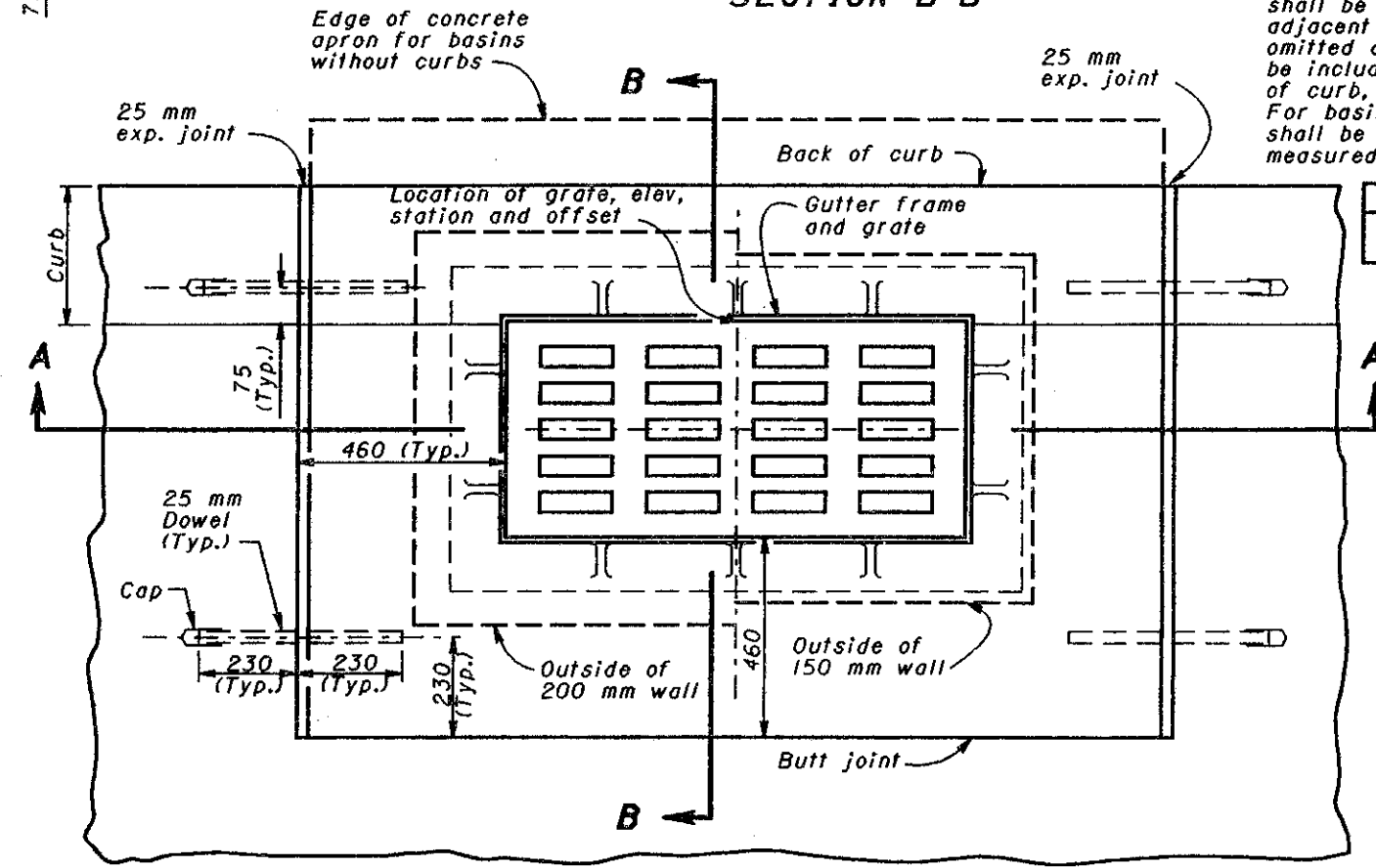


SECTION B-B



FRAME

GRATE



PLAN OF CATCH BASINS AND PAVEMENT JOINTS