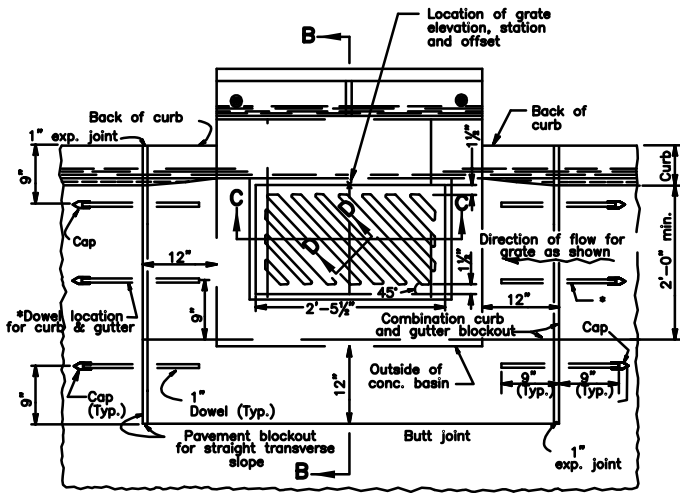


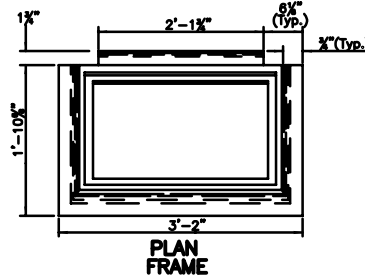


CITY OF MASSILLON ENGINEERING
151 LINCOLN WAY EAST
MASSILLON, OHIO (330)830-1722
FAX: (330)830-1786

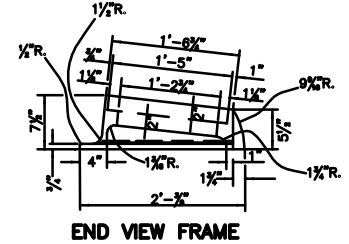
CATCH BASIN TYPE 3A



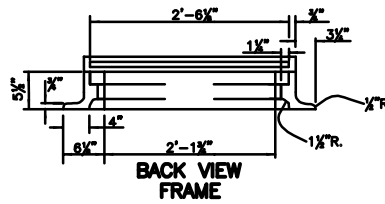
PLAN OF CATCH BASIN AND PAVEMENT JOINTS



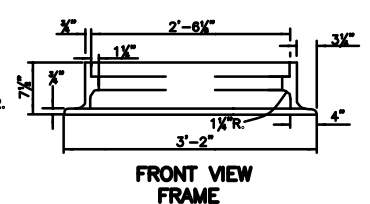
PLAN FRAME



END VIEW FRAME

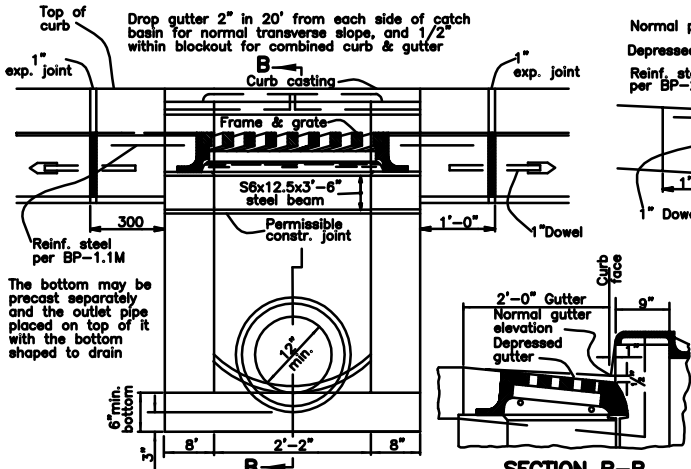


BACK VIEW FRAME



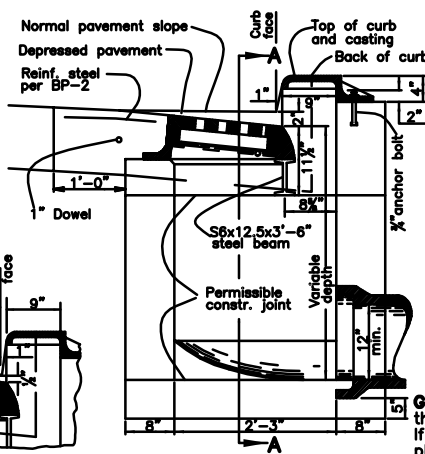
FRONT VIEW FRAME

* Dowel location for curb and gutter



SECTION A-A

SECTION B-B WITH CURB & GUTTER



SECTION B-B

CB 3A NOTES

GRATE: The Grate "V" shall be provided unless the plans specifically require the diagonal grate. If the diagonal grate is specified, it shall be placed so that the diagonal bars direct drainage flow toward the curb.

CASTINGS: The design shall be essentially the same and equally as strong as those shown. Minimum mass: Curb Casting 170 lbs., Standard Grate 127 lbs., Frame 320 lbs., and Grate "V" 105 lbs.

BEARING AREAS: The frame and grate shall be so fitted and finished as to provide a firm and even seat. No projections shall exist on bearing areas of either casting and the grate shall seat in its frame without rocking.

PRECAST CONSTRUCTION: Permitted, except for the apron. Concrete shall meet the requirements of CMS 706.13 with a minimum of 4% entrained air in the hardened concrete. Precast walls shall have a minimum thickness of 6" and reinforcing shall be sufficient to permit shipping and placement without damage.

MINIMUM DEPTH: The minimum depth shall be the outside diameter (O.D.) of the outlet pipe plus 15".

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 1"x18" dowels are required for concrete pavement or gutter blackout. See Std. Constr. Dwg. BP-4 for dowel details.

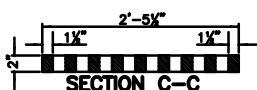
BLOCKOUT: Blockouts shall be paved with Class C concrete in PCC pavement or gutter and paid for as a part of the pavement or gutter with no deduction in pavement, curb or gutter quantities because of the castings. A Class C concrete apron the size of the 2' gutter shall be cast-in-place in asphalt pavement (no dowels required) with the cost included in the catch basin bid price. No deduction to be made in curb quantities.



SECTION D-D

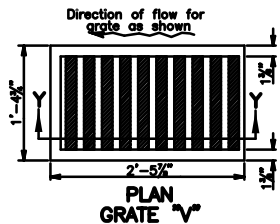


SECTION Y-Y

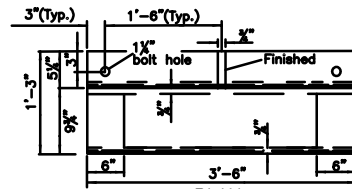


SECTION C-C

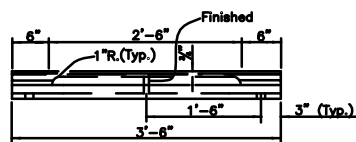
STANDARD GRATE
Grate size 2'-5 1/2"x1'-4 1/2"x2"



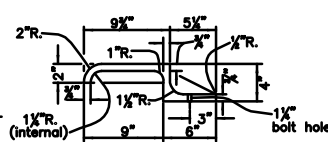
PLAN GRATE "V"



PLAN CURB CASTING



FRONT VIEW CURB CASTING



END VIEW CURB CASTING