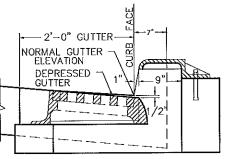


dim. PIPE SIZE 80" 24" — 99" 36"



SECTION B-B WITH CURB & GUTTER

## NOTES

GRATES: Two required. For details, see SCO CB-2.2, 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 shown.
Minimum weight [mass]:

Curb Casting . . . . 305 lbs. [138 kg]
Two Grates . . . . 254 lbs. [115 kg],
Frome . . . . . 590 lbs. [267 kg], and
Two Grate V' . . . 210 lbs. [25 kg].

Lighter weight fromes and grates that meet the re-quirements of CMS 711.14 may also be provided. Grate openings and dimensions shall not differ from those shown, unless otherwise shown in the plans.

The following text shall be cast into the top of the curb casting:

## "DUMP NO WASTE" and "DRAINS TO WATERWAY"

Text shall be printed in bold, capital letters with a minimum height of ¼". See example on Plon & Section. "HATERWAY" may be substituted with "STREAM", "RIVER", 1.AKE", etc. Actual placement and logo may vary per manufacturer.

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 and the grate shall seat in its frame without rocking.

MALLS: When used in place of concrete, brick side walls shall be 8° [200] nominal thickness.

PRECAST CONSTRUCTION: Permitted, except for the opron. Concrete shall meet requirements of CMS 706.13. Precast walls shall have a minimum thickness of 6° (1501 and reinforcing shall be sufficient to permit shipping and placement without domage. The wall thickness reduction shall be from the outside.

MINIMUM DEPTH: The minimum depth is per the cover requirements for that pipe type.

**OPENINGS:** Any pipe openings greater than 4° [100] from the outside of the pipe to the structure require the Engineer's approval. Fill all voids per CMS 604.

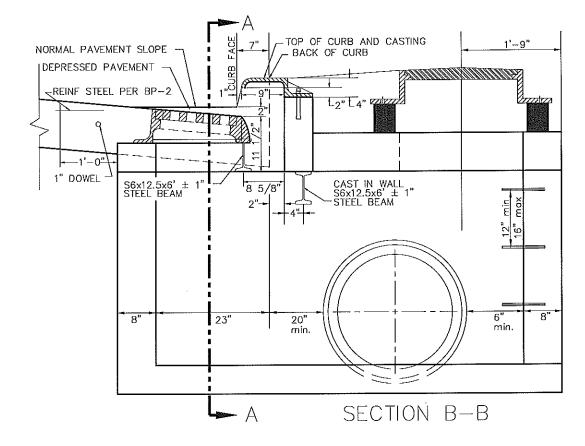
**DOWELS:** Four I'x18\* [25x450] dowels are required for concrete pavement or gutter blockout. See **SCO BP-2.2** for dowel details.

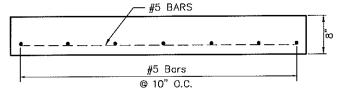
BLOCKOUT: Blockouts shall be paved with Class C concrete in PCC pavement or gutter, and paid for as part of the pavement or gutter with no deduction in pavement, curb or gutter quantities because of the castings. A Class C concrete opton, the size of the 2-0'[600] gutter blockout, shall be cast-in-place in asphalt pavement (no dowels required) with the cast included in the catch basin bid price. No deduction to be made in curb quantities.

PAYMENT: All materials and labor, including excavation and backfilling, shall be paid for under Item 604 - Catch Basin, No. 3A Modified.

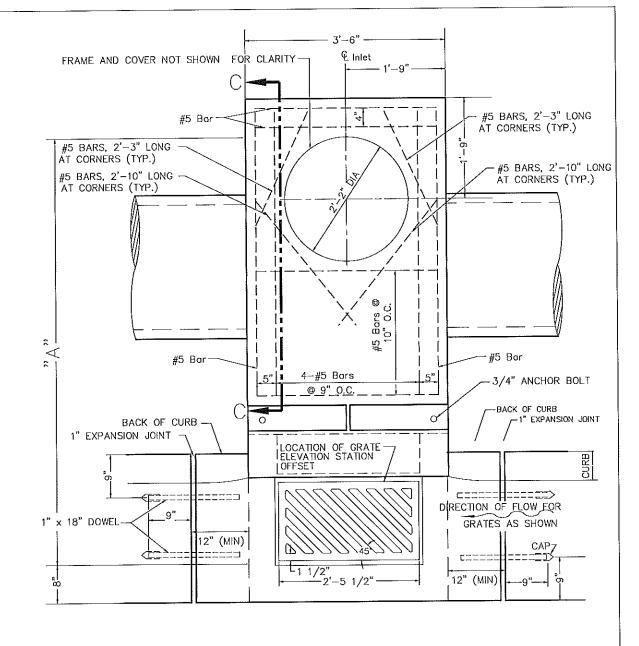
REINFORCING STEEL! All reinforcing steel shall have 2" clear cover unless otherwise noted.

STEPS: SHALL BE PROVIDED WHERE THE DEPTH EXCEEDS 48" AND SHALL MEET THE REQUIREMENTS OF DRAWING MH-1.





SLAB DETAIL SECTION C-C



## PLAN OF CATCH BASIN AND PAVEMENT JOINTS

\* DOWEL LOCATION FOR CURB AND GUTTER



REVISIONS	DATE	C-9
SLAB REBAR	12/29/11	
SEC. C	01/06/12	0.1.701.1.701.101.1
SEC. BB	01/06/12	CATCH BASIN
		NO. 3A-MOD.
		NO. JA-WOD.
		CHK. BY: G.J.W. EFFECTIVE DATE: 1-1-94
		BUTI FR COUNTY ENGINEERS OFFICE
		<del></del>
		AND OPERATIONS FACILITY
		1921 FAIRGROVE AVENUE - HAVILTON, OHIO
		PHONE 867-5744 45011
	1	1110112 001 0111