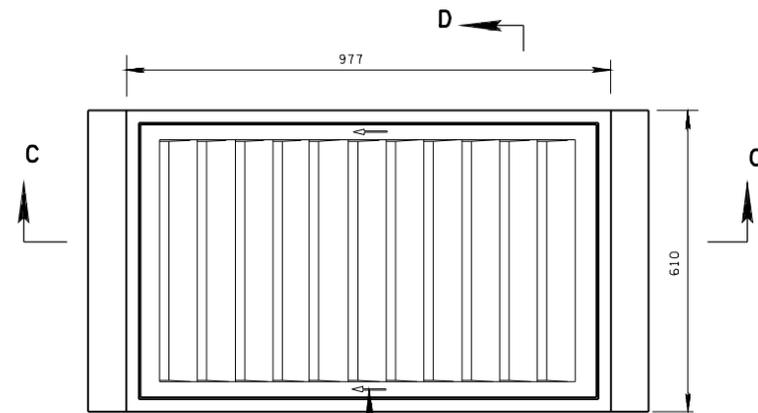
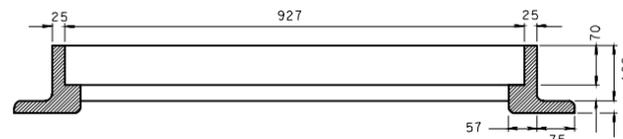
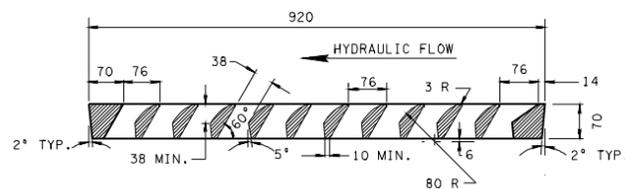


GRATE AND FRAME DETAILS

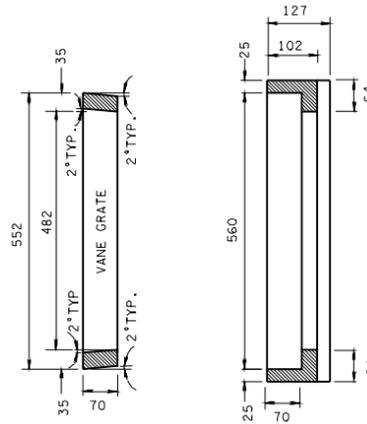


RAISED OR RECESSED (APPROX. 3 mm)
ARROWS INDICATE DIRECTION OF HYDRAULIC
FLOW. DESIGN OF ARROWS IS
MANUFACTURERS CHOICE.

PLAN VIEW

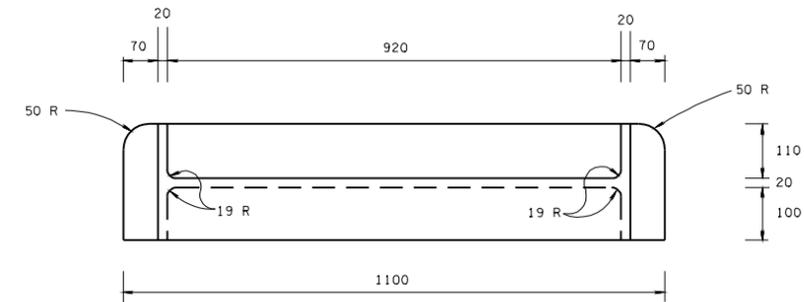


SECTION C-C

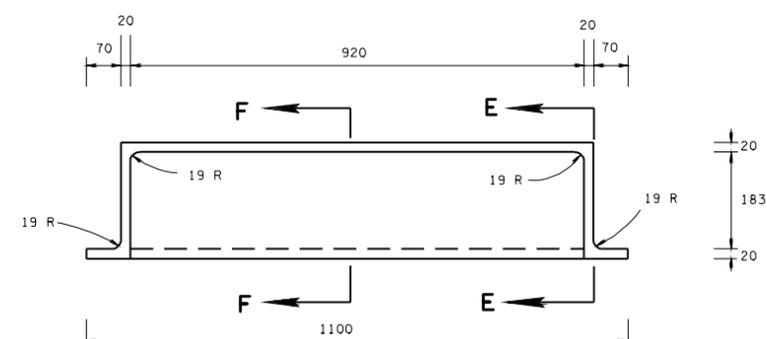


SECTION D-D

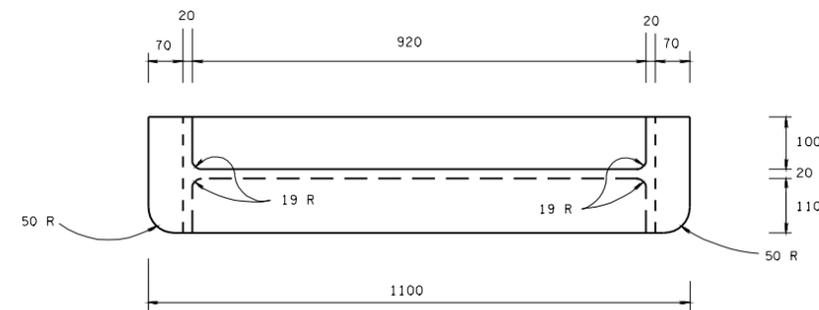
CURB INLET CASTING



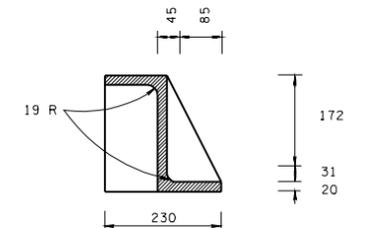
TOP



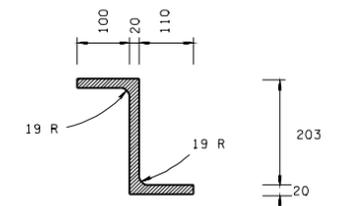
FRONT



BOTTOM



SECTION E-E



SECTION F-F

GENERAL NOTES

- WHEN CURB OPENING IN CONCRETE MEDIAN BARRIER WALL IS REQUIRED, USE THIS DRAWING ON ALL VARIATIONS OF NUMBER 31, 41, 45, 46, AND 51 CATCH BASINS CONTAINED IN THIS SECTION OF THE STANDARD DRAWINGS.
- FOR CLEARNESS, ALL CORNERS ARE SHOWN ON THIS DRAWING BY STRAIGHT LINES WITH THE EXCEPTION OF THE 25 mm RADIUS AT THE TOP OF FACE OF CURB. ALL INSIDE CORNERS SHOULD BE MADE WITH 13 mm X 13 mm FILLETS OR 19 mm RADIUS FILLETS FOR EASE IN MOLDING.
- IF PAID FOR SEPARATELY, CAST IRON USED IN CASTINGS IS TO BE PAID FOR UNDER ITEM NO. 611M03.04 GRAY IRON CASTINGS (CATCH BASIN) PER KILOGRAM.
- IF CATCH BASIN IS PAID FOR UNDER EACH, THEN COST OF CAST IRON USED IN CASTINGS IS TO BE PAID FOR UNDER THE SPECIFIC ITEM BID FOR THAT CATCH BASIN. SEE STANDARD DRAWINGS FOR TYPE 31, 41, 45, 46, AND 51 CATCH BASINS FOR APPLICABLE PAY ITEMS FOR EACH TYPE OF CATCH BASIN.

WEIGHTS

(SINGLE GRATE CATCH BASIN)	
FRAME	----- 120 kg
GRATE	----- 113 kg
CURB INLET	---- 84 kg
* TOTAL	----- 317 kg

* NOTE: WEIGHT OF TWO GRATES = 634 kg

- REV. 11-1-95: CHANGED TO METRIC.
- REV 7-29-96: MADE MINOR DIMENSIONING CORRECTIONS.
- REV. 10-26-96: ELIMINATED 19 mm HOLE IN BACK SUPPORT OF CURB INLET CASTING.
- REV. 11-15-99: MODIFIED FIRST GENERAL NOTE.
- REV. 10-26-00: MODIFIED FIRST GENERAL NOTE AND CHANGED DRAWING NAME.
- REV.5-27-01: CHANGED GENERAL NOTE (D).



ALL UNITS ARE IN MILLIMETERS
UNLESS NOTED OTHERWISE.

□ MINOR REVISION -- FHWA
APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPE 'B'
CAST IRON FRAME, GRATE
& INLET DETAILS FOR
NOS. 31, 41, 45, 46, & 51
TYPE CATCH BASINS

11-1-95 DM-CBB-31