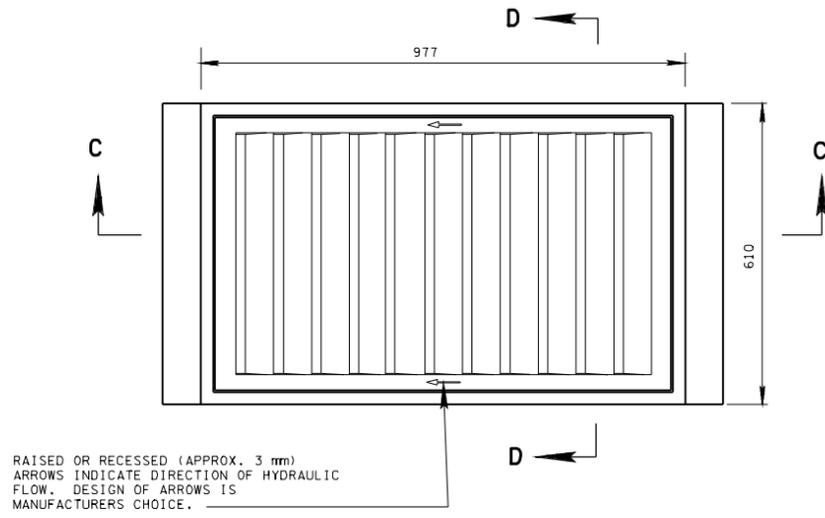
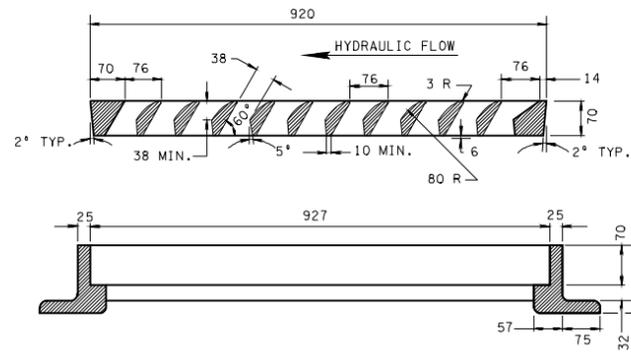


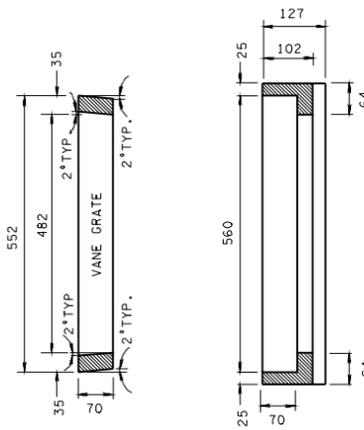
GRATE AND FRAME DETAILS



PLAN VIEW

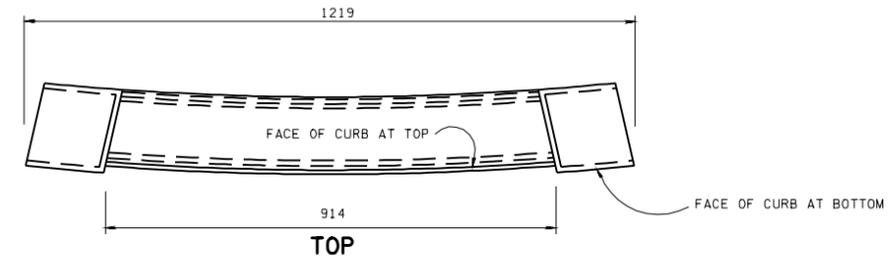


SECTION C-C

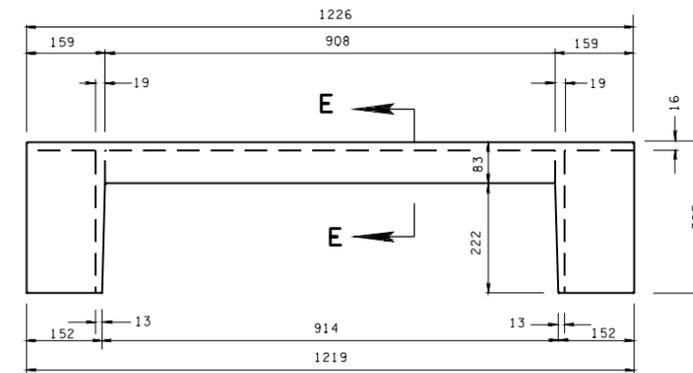


SECTION D-D

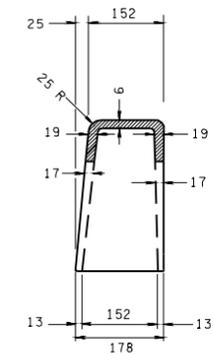
CURB INLET CASTING



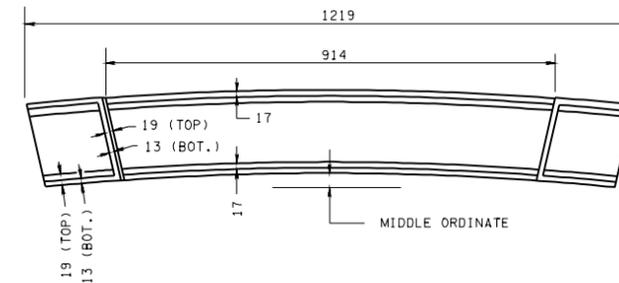
TOP



FRONT



SECTION E-E



BOTTOM

MIDDLE ORDINATES OF INLET CASTINGS FOR VARIOUS CURB RETURN RADIUS

①	② CURB RADIUS	MIDDLE ORDINATE
	3.0 m	61.11 mm
	4.6 m TO 7.3 m	34.93 mm

- ① CURB RADIUS FOR INLET CURB CASTING TO MATCH RADIUS SHOWN ON PLANS.
② FOR RADIUS GREATER THAN 7.6 METER USE TYPE 12 CATCH BASINS.

GENERAL NOTES

- (A) WHEN 150 mm NONMOUNTABLE CURB IS REQUIRED USE THIS DRAWING ON ALL VARIATIONS OF NUMBER 13 CATCH BASIN CONTAINED IN THIS SECTION OF THE STANDARD DRAWINGS.
(B) 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.
(C) 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.
(D) IF CATCH BASIN IS PAID FOR UNDER EACH, THEN COST OF CAST IRON USED IN CASTINGS IS TO BE PAID FOR UNDER THE ITEM BID FOR TYPE 13 CATCH BASINS. SEE VARIOUS STANDARD DRAWINGS FOR TYPE 13 CATCH BASIN FOR APPLICABLE PAY ITEMS.

WEIGHTS

(SINGLE GRATE CATCH BASIN)
FRAME ----- 120 kg
GRATE ----- 113 kg
CURB INLET ---- 70 kg
* TOTAL ----- 303 kg
* NOTE: WEIGHT OF TWO GRATES = 606 kg
* NOTE: FOR NO. 11 CATCH BASIN, DEDUCT 70 kg PER " GRATE ", SINCE NO CURB INLET IS REQUIRED.



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
& NONMOUNTABLE INLET
DETAILS FOR NO. 13
TYPE CATCH BASINS

11-1-95 DM-CBB-13

- REV. 11-1-95: CHANGED TO METRIC.
REV. 7-29-96: MADE MINOR DIMENSIONING CORRECTIONS.
REV. 2-28-97: CHANGED GENERAL NOTE (A).
REV. 5-27-97: CHANGED DESCRIPTION IN RIGHT LOWER CORNER BLOCK.
REV. 3-20-00: IN MIDDLE ORDINATES OF INLET CASTINGS FOR VARIOUS CURB RETURN RADIUS TABLES ELIMINATED 7.6 m TO 10.7 m CURB DATA, ON RADIUS GREATER THAN 7.6 m TYPE 13 CATCH BASIN ARE NO LONGER USED. ADDED FOOTNOTE (2).
REV. 5-27-01: CHANGED GENERAL NOTE (D).