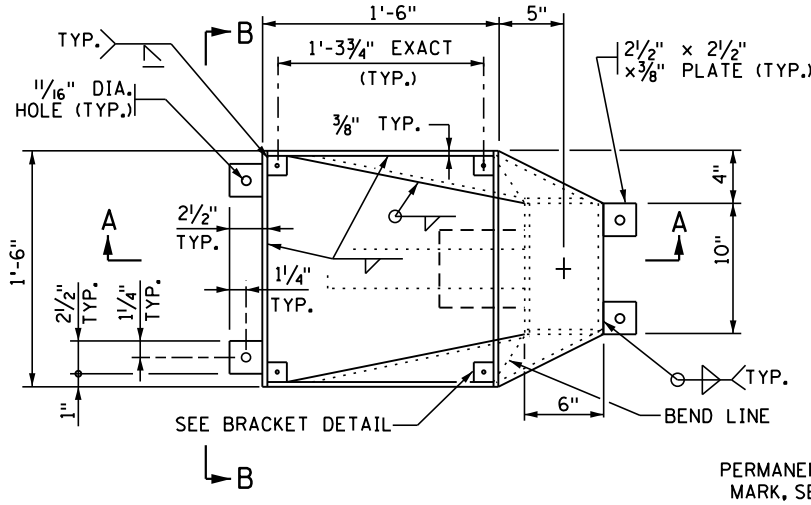
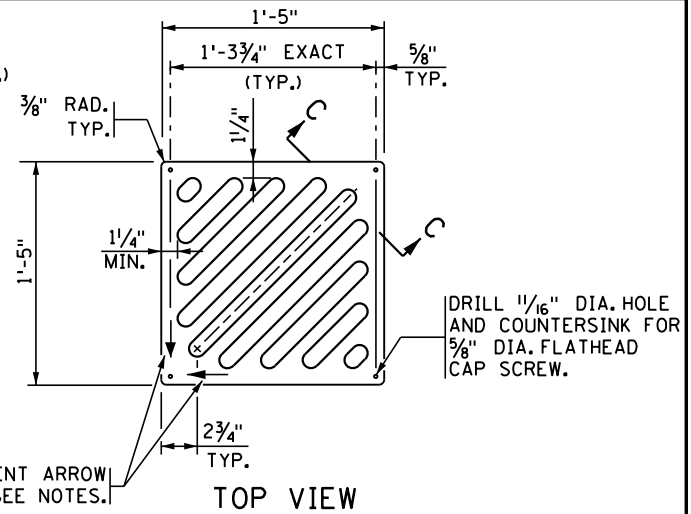
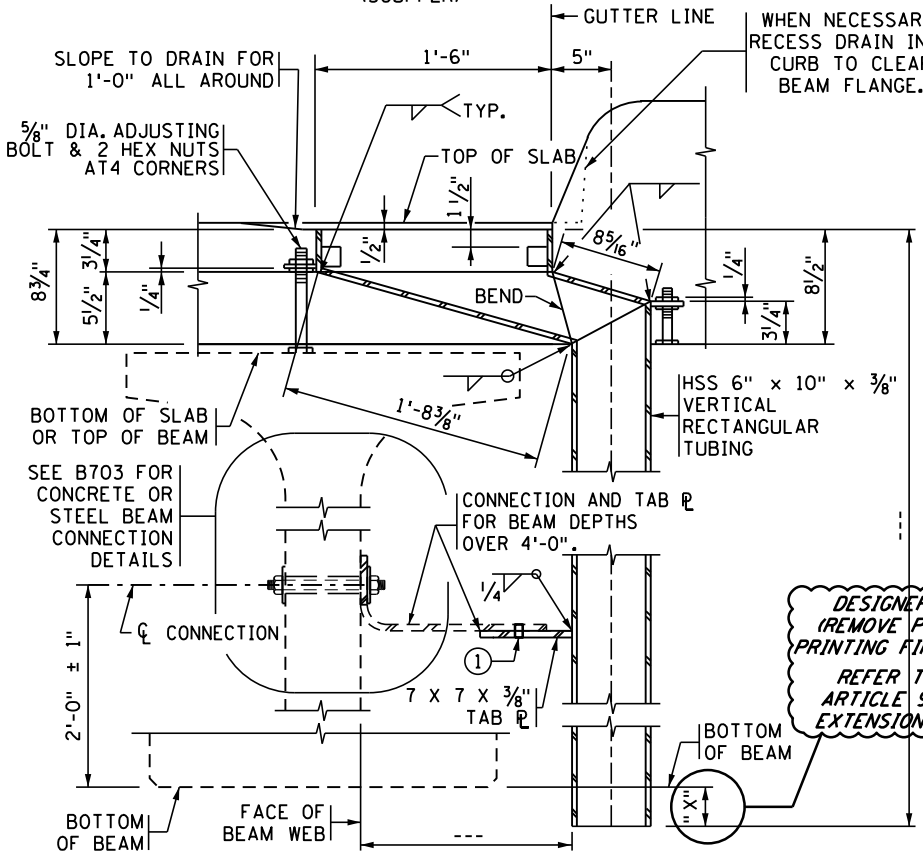


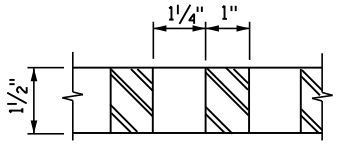
TOP VIEW
(SCUPPER)



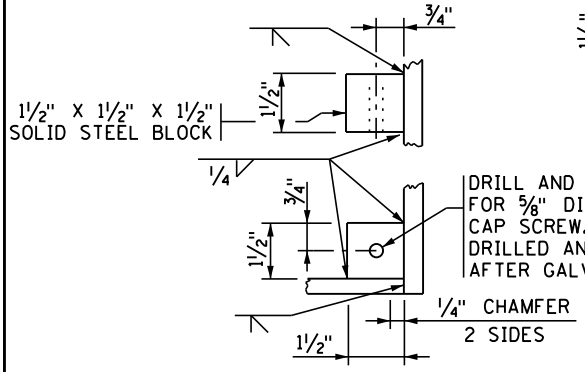
TOP VIEW
(GRATE)



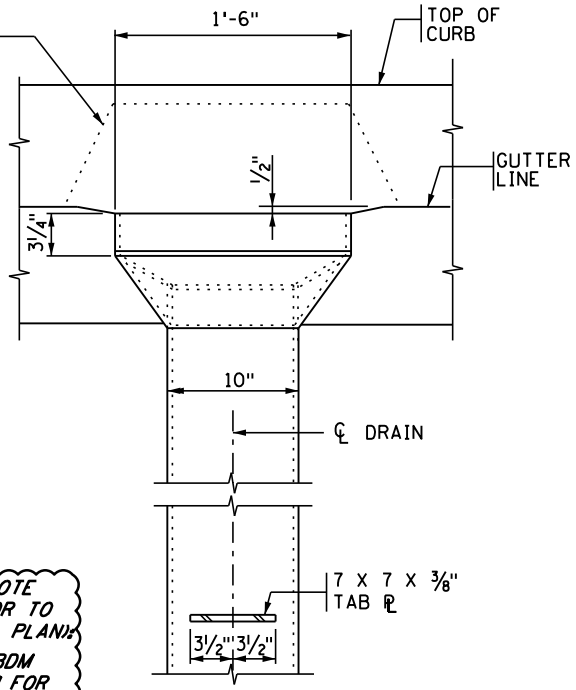
SECTION A-A
(CONCRETE BEAM SHOWN)



SECTION C-C



BRACKET DETAIL



VIEW B-B

DESIGNER NOTE (REMOVE PRIOR TO PRINTING FINAL PLAN): REFER TO BDM ARTICLE 9.1.1 FOR EXTENSION LENGTH

NOTES:

PROVIDE STRUCTURAL STEEL PLATES IN ACCORDANCE WITH SPEC. 3306. FABRICATE GRATE USING AUTOMATICALLY CONTROLLED CUTTING TORCH.

CAST IRON GRATE IN ACCORDANCE WITH SPEC. 3321, CLASS 35B, MAY BE USED AS AN ALTERNATE.

WORKMANSHIP AND FABRICATION IN ACCORDANCE WITH SPEC. 2471.

BLAST CLEAN SCUPPER AND GRATE AFTER FABRICATION. GALVANIZE STRUCTURAL STEEL, EXCEPT CAST IRON, IN ACCORDANCE WITH SPEC. 3394.

GALVANIZE HARDWARE IN ACCORDANCE WITH SPEC. 3392.

INSTALL GRATE WITH ARROW ON CURB SIDE POINTING IN DIRECTION OF FLOW.

PAYMENT FOR FLOOR DRAIN, TYPE ___ INCLUDES ALL MATERIAL ON THIS DETAIL.

GRATE OPENING AREA IS 106 SQ. IN.

(1) FIELD DRILL 13/16" HOLE IN TAB PLATE TO PROVIDE FOR ¾" BOLTED CONNECTION WITH WASHERS. ALLOW FOR A MINIMUM EDGE DISTANCE OF 1" TO EDGE OF TAB PLATE.

APPROVED: NOVEMBER 22, 2002
Daniel L Morgan
STATE BRIDGE ENGINEER

STATE OF MINNESOTA
DEPARTMENT OF TRANSPORTATION

BRIDGE OFFSET FLOOR DRAIN

(WELDED BOX)
(CONCRETE OR STEEL BEAM)

REVISION
02-08-2022

DETAIL NO.
B705