PLAN OF FRAME

NOTE:

FRAME MAY BE CAST MONOLITHICALLY OR IN TWO PIECES AS SHOWN. FRAMES CAST IN TWO PIECES SHALL BE TIGHTLY BOLTED TOGETHER WHEN DELIVERED.

SECTION A - A

(2) 3/4" DIA. CORED HOLES FOR 3/4" DIA. BOLTS (BOTH SIDES OF FRAME WHEN CAST IN TWO PIECES)
SECTION B1 - B1
(CAST MONOLITHICALLY)

SECTION B2 - B2
(CAST IN TWO PIECES)
PLAN OF GRATE

SECTION C - C

ALTERNATE PROFILES PERMITTED

SECTION D - D

GRAY IRON CASTING

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF DEVELOPMENT
STANDARD PLAN FOR
GRAY IRON CASTING

COVER V
COVER V

MICHIGAN DEPARTMENT OF TRANSPORTATION

BUREAU OF DEVELOPMENT STANDARD PLAN FOR

DUCTILE IRON CASTING

NOTES:

THE CASTINGS SHALL MEET THE REQUIREMENTS OF THE CURRENT STANDARD SPECIFICATION FOR GRAY IRON OR DUCTILE IRON CASTINGS.

ALL CASTINGS SHALL BE CLEANED BY CURRENT APPROVED BLASTING METHODS.

THE CASTINGS SHALL BE FREE OF POURING FAULTS, BLOW HOLES, CRACKS AND OTHER IMPERFECTIONS. THEY SHALL BE SOUND, TRUE TO FORM AND THICKNESS, CLEAN AND NEATLY FINISHED, AND SHALL BE COATED WITH COAL TAR PITCH VARNISH.

THE SEATING FACE OF GRATE AND THE SEAT FOR THE SAME ON THE FRAME SHALL BE GROUND OR MACHINED SO THAT THE GRATE WILL HAVE AN EVEN BEATING ON ITS SEAT TO PREVENT ROCKING OR TILTING.

THIS COVER IS DESIGNED TO FIT ON ANY INLET, CATCH BASIN OR ON ANY EXISTING SIMILAR STRUCTURE WHEN SO DESIGNATED ON THE PLANS.

GRATE MAY BE PROVIDED WITH BOLTING CAPABILITY. PROVIDE (4) COUNTER BORED HOLES, ONE AT EACH CORNER OF THE CASTING.