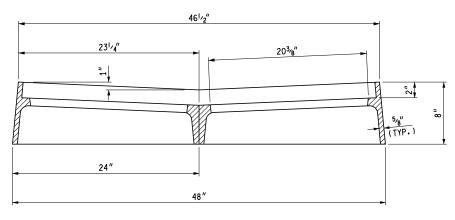


SECTION B - B



SECTION A - A



PREPARED DESIGN DIVISION

DRAWN BY: B.L.T. CHECKED BY: W.K.P.

DEPARTMENT DIRECTOR Paul C. Ajegba

Gregg Brunner, P.E. Gregg Brunner
Jul 24 2019 11:24 AM

APPROVED BY: _ DIRECTOR, BUREAU OF FIELD SERVICES

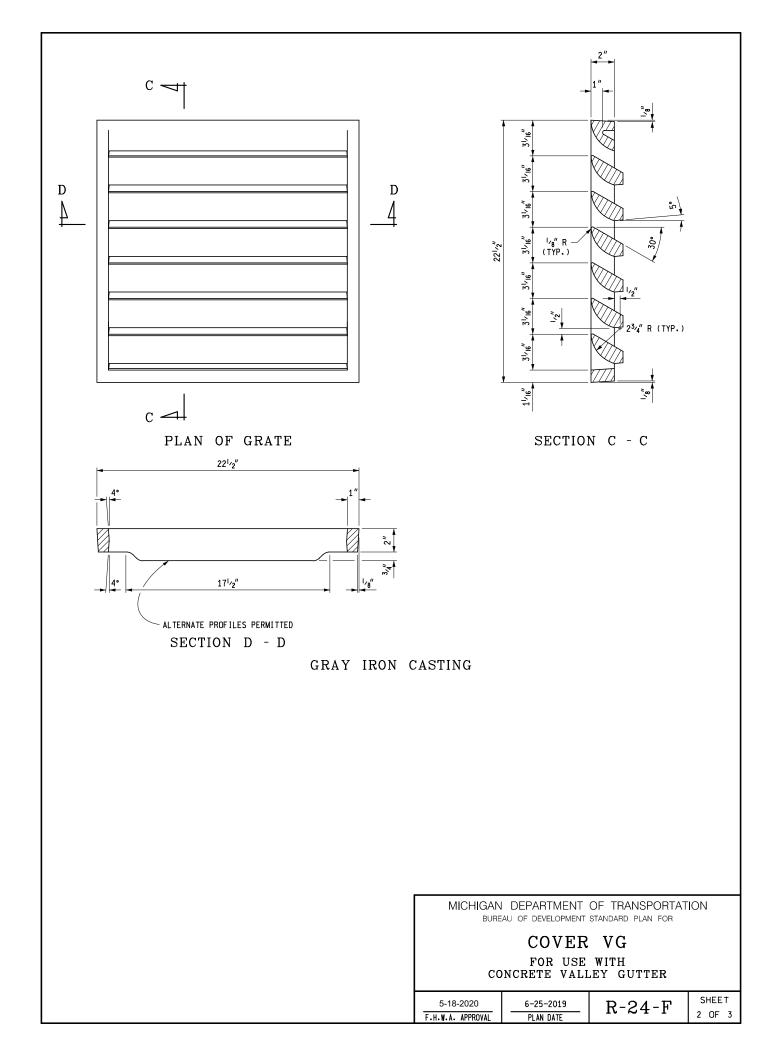
Bradley C. Wieferich Bradley C. Wieferich Jul 3 2019 8:59 AM APPROVED BY: _ DIRECTOR: BUREAU OF DEVELOPMENT

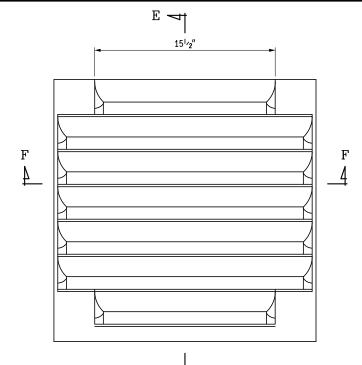
MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN FOR

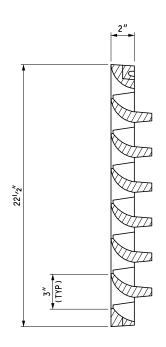
COVER VG

FOR USE WITH CONCRETE VALLEY GUTTER

SHEET 5-18-2020 6-25-2019 R-24-F 1 OF 3 F.H.W.A. APPROVAL PLAN DATE

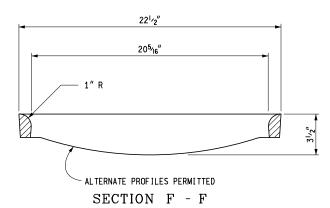






E ←↓
PLAN OF GRATE

SECTION E - E



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 BEARING 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 GRATE AND A FRAME WITH (4) THREADED HOLES TO SUFFICIENTLY RECEIVE GRATE BOLTS. HOLE DIAMETERS AND BOLTS SHALL CONFORM TO THE MANUFACTURER'S DETAILS AND SPECIFICATIONS.

MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN FOR

COVER VG

FOR USE WITH CONCRETE VALLEY GUTTER

5-18-2020	6-25-2019	R-21-F	SHEET
F.H.W.A. APPROVAL	PLAN DATE	10 2	3 OF 3