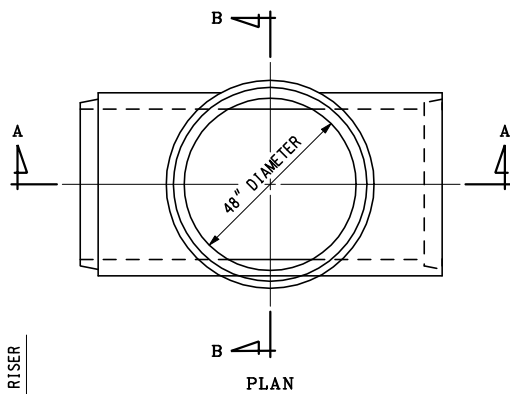
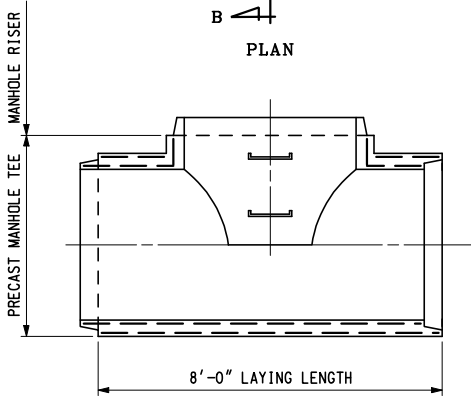
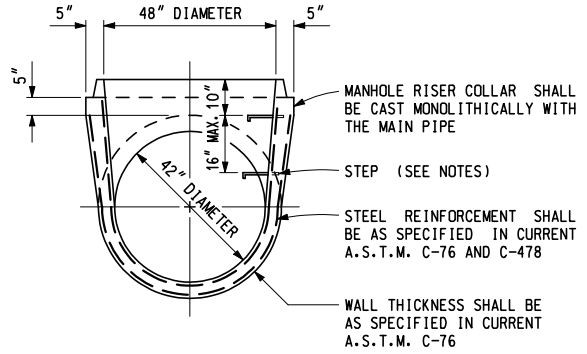




PLAN

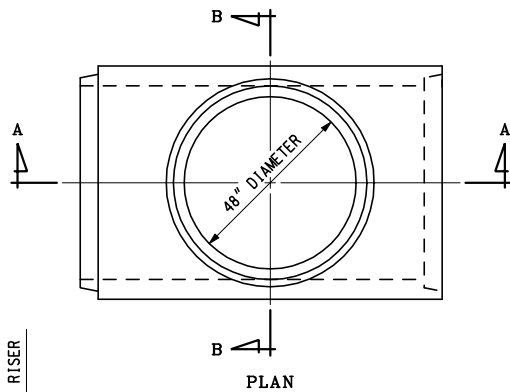


SECTION A - A

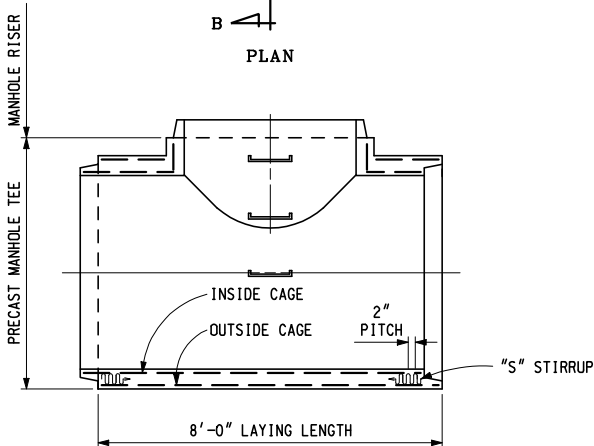


SECTION B - B

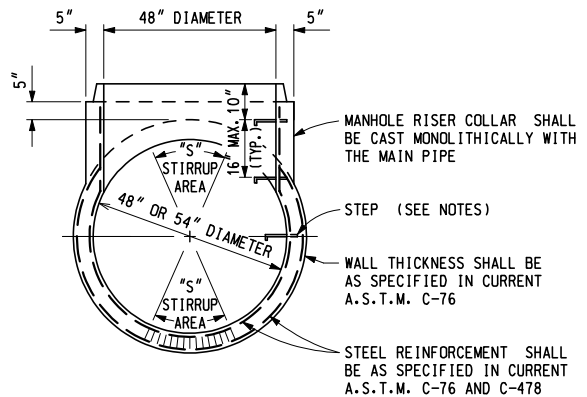
42" PRECAST MANHOLE TEE



PLAN



SECTION A - A



SECTION B - B

48" AND 54" PRECAST MANHOLE TEE



ENGINEER OF CONSTRUCTION & TECHNOLOGY

ENGINEER - ROAD DESIGN

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY TECHNICAL SERVICES STANDARD PLAN FOR

PREPARED
BY
DESIGN DIVISION

ENGINEER OF MAINTENANCE

ENGINEER OF DESIGN
DEPARTMENT DIRECTOR
Gregory J. Rosine

PRECAST MANHOLE TEES

DRAWN BY: B.L.T.

ENGINEER OF TRAFFIC AND SAFETY

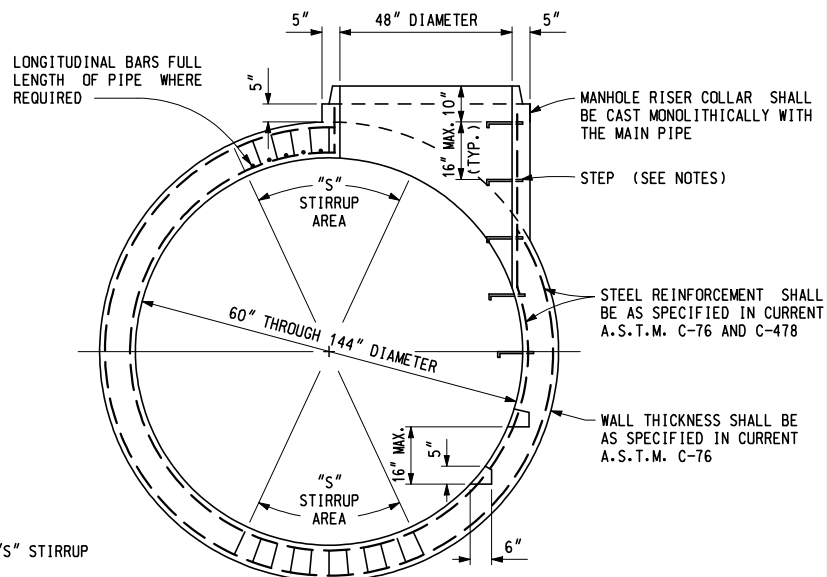
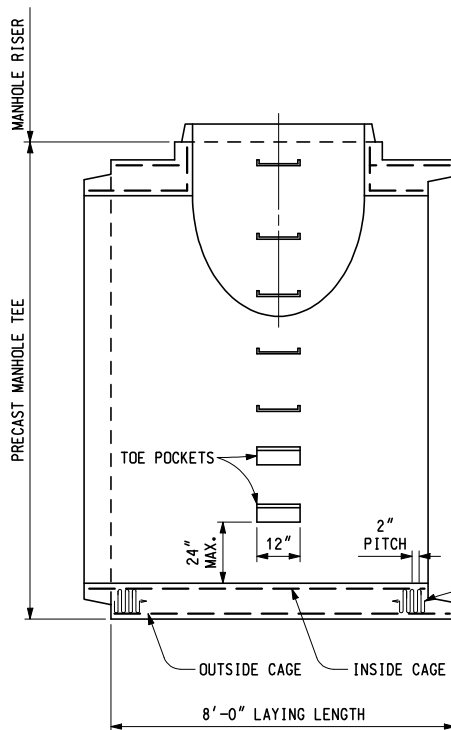
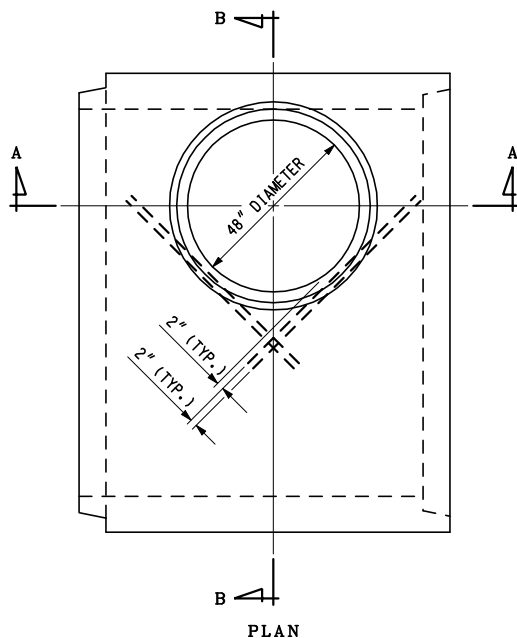
BY: CHIEF ENGINEER/DEPUTY DIRECTOR

12-21-2001
F.H.W.A. APPROVAL

2-26-2001
PLAN DATE

R-3-B

SHEET
1 OF 2



60" THROUGH 144" PRECAST MANHOLE TEE

NOTES:

STACK SECTIONS SHALL BE ACCORDING TO STANDARD PLAN R-1-SERIES UNLESS OTHERWISE NOTED ON THIS PLAN.

STACK SECTIONS SHALL BE LOCATED ON LEFT OR RIGHT SIDE OF SEWER AS SPECIFIED ON THE PLANS.

GRANULAR MATERIAL CLASS III SHALL BE USED IN BACKFILLING AROUND ALL STRUCTURES THAT FALL WITHIN 1:1 INFLUENCE LINES FROM THE EDGE OF PAVEMENT OR BACK OF CURB.

STEPS SHALL BE OF AN APPROVED DESIGN AND MADE FROM CAST IRON, ALUMINUM, OR PLASTIC COATED STEEL. RUNGS SHALL BE A MINIMUM OF 10" IN CLEAR LENGTH, DESIGNED TO PREVENT THE FOOT FROM SLIPPING OFF THE END. THE MINIMUM HORIZONTAL PULL OUT LOAD SHALL BE 400 LBS. THE MINIMUM VERTICAL LOAD SHALL BE 800 LBS.

ALL SIZES AND FLOW LINES OF PIPES, AND ELEVATIONS FOR TOP AND BOTTOM OF STRUCTURES, SHALL BE DETERMINED FROM THE PLANS AND CONSTRUCTIONS REQUIREMENTS.

PRECAST MANHOLE TEE SHALL BE THE SAME CLASS AS THE EXISTING CONCRETE SEWER. THE PIPE SHALL CONFORM TO A.S.T.M. C-76 AND THE RISER TO A.S.T.M. C-478.

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY TECHNICAL SERVICES STANDARD PLAN FOR

PRECAST MANHOLE TEES

12-21-2001
F.H.W.A. APPROVAL

2-26-2001
PLAN DATE

R-3-B

SHEET
2 OF 2