

Number: **E-12-004**

Date: **03/27/2012**

ENGINEERING DIRECTIVE

Thomas F. Broderick, P.E. (signature on original)

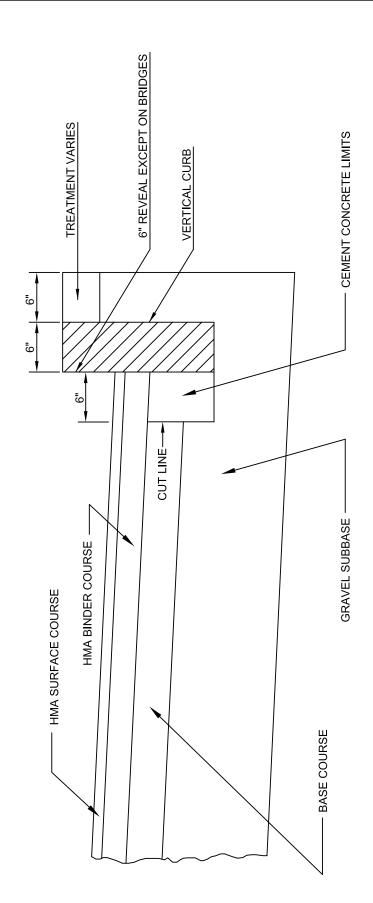
CHIEF ENGINEER

Revised and Updated Construction Standard Details

The purpose of this Engineering Directive is to revise and update certain drawings contained in the *Construction Standard Details*, as follows:

New Drawing Number and Date	Replaces Drawing Number and Date	Drawing Title	Change
E 106.3.0R	E 106.3.0	Method of Setting	Extends the HMA Binder Course to the curb to help prevent surface cracking along the cut line.
March 2012	August 2010	Vertical Curb	
E 201.3.0R	E 201.3.0	Concrete Block Catch	Standard Depth error 9'-6" corrected to 6'-6".
March 2012	August 2010	Basin	
E 202.6.0R	E 202.6.0	Manhole Frame and	Dimension Arrows extended from border to outside edge of standard cover drawing indicating a 26-inch overall diameter manhole cover.
March 2012	August 2010	Cover – A Frame	
E 401.2.0R March 2012	E 401.2.0 August 2010	Installation For Steel W Beam Highway Guard for Sign Protection	Deletion of Note 3 referencing back up plates. Approach slope to guard rail indicated.
E 401.5.1R	E 401.5.1	Bridge Rail to Highway	Deletion of Notes 1 and 4. Drawing rescaled to show full length of payment unit. Allows for quicker transition to W Beam guard rail.
March 2012	August 2010	Guard Transition	
E 401.6.0R	E 401.6.0	Steel Thrie Beam	Deletion of Steel Back Up Plate Detail from drawing and deletion of reference to Back Up Plate in Note 3.
March 2012	August 2010	Highway Guard Details	
E 401.8.0R March 2012	E 401.8.0 August 2010	Steel W Beam Highway Guard Posts and Terminal Section Details	Deletion of reference to Back Up Plate in Note 3.
E 401.11.0R March 2012	E 401.11.0 August 2010	Special Base Anchor for Highway Guard Installation on Concrete	Deletion of references to Back-Up Plate in drawing and in Note 7.
E 401.16.0R March 2012	E 401.16.0 August 2010	Steel Thrie Beam Highway Guard Median – Barrier	Deletion of references to Back-Up Plate in drawings.

Distribution:	Please Post:	Do Not Post:



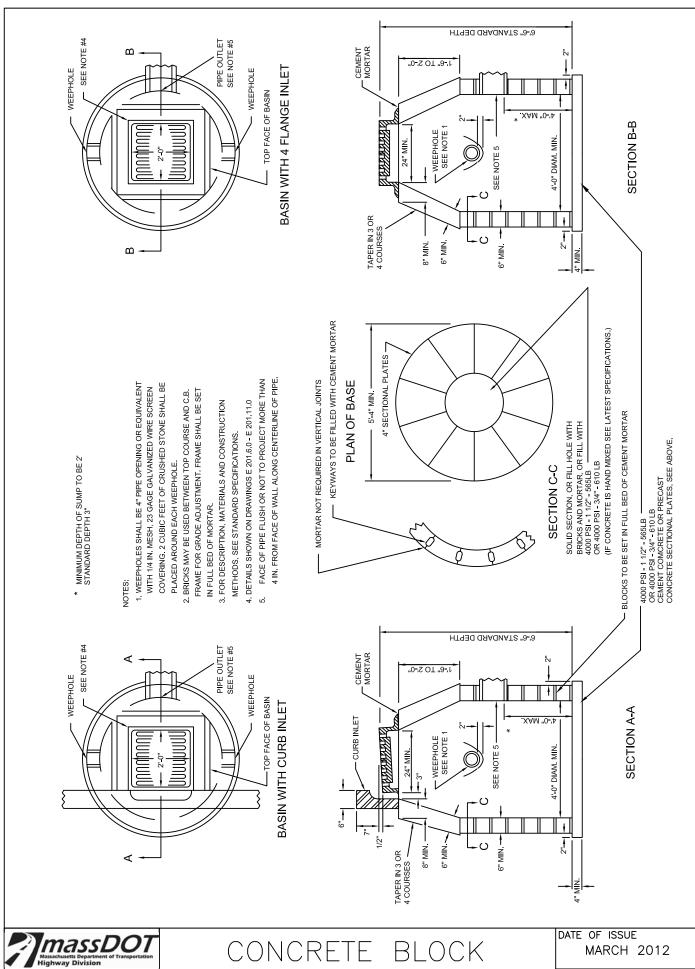
NOTES:

- 1. THIS PROCEDURE IS APPLICABLE ONLY IF CURB IS TO BE SET AFTER BASE COURSE IS IN PLACE PRIOR TO BINDER AND TOP PLACEMENT.
- 2. CUT NEAT LINE 6" FROM CURB LINE AND REMOVE BASE AND GRAVEL. REPLACE WITH CEMENT CONCRETE.
- STANDARD SPECIFICATIONS MAY BE USED; ALL TEST REQUIREMENTS ARE WAIVED. HOT MIX 3. ANY DESIGNATED CEMENT CONCRETE THAT IS ACCEPTABLE UNDER SECTION M4 OF THE ASPHALT SHALL NOT TO BE USED AS A SUBSTITUTE.
- 4. PAYMENT PER FOOT OF CURB IS INCLUSIVE OF ALL ITEMS OF WORK REQUIRED TO COMPLETE PROPER INSTALLATION OF THE CURB.



METHOD OF SETTING VERTICAL CURB

DATE OF ISSUE MARCH 2012

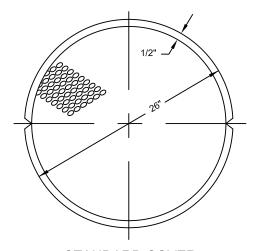


CONSTRUCTION STANDARDS

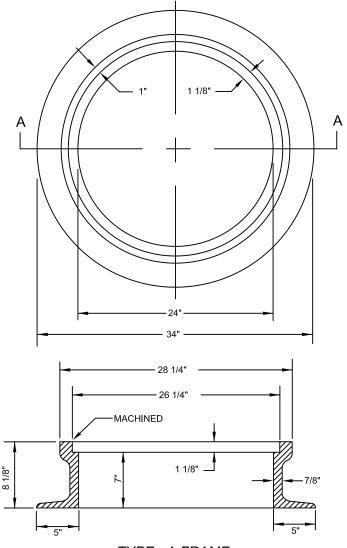
CATCH BASIN

DRAWING NUMBER

E 201.3.0R



STANDARD COVER FOR COVER DETAILS SEE DRAWING E 202.8.0



TYPE - A FRAME

NOTES:

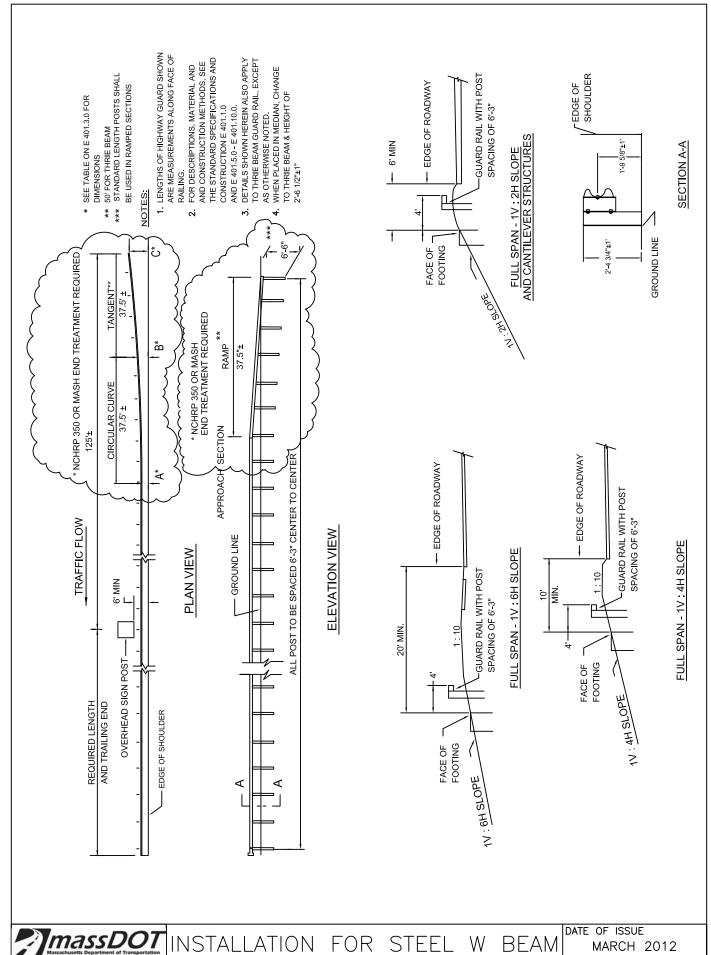
- 1. MINIMUM MASS 265 LBS.
- 2. MATERIAL CAST IRON

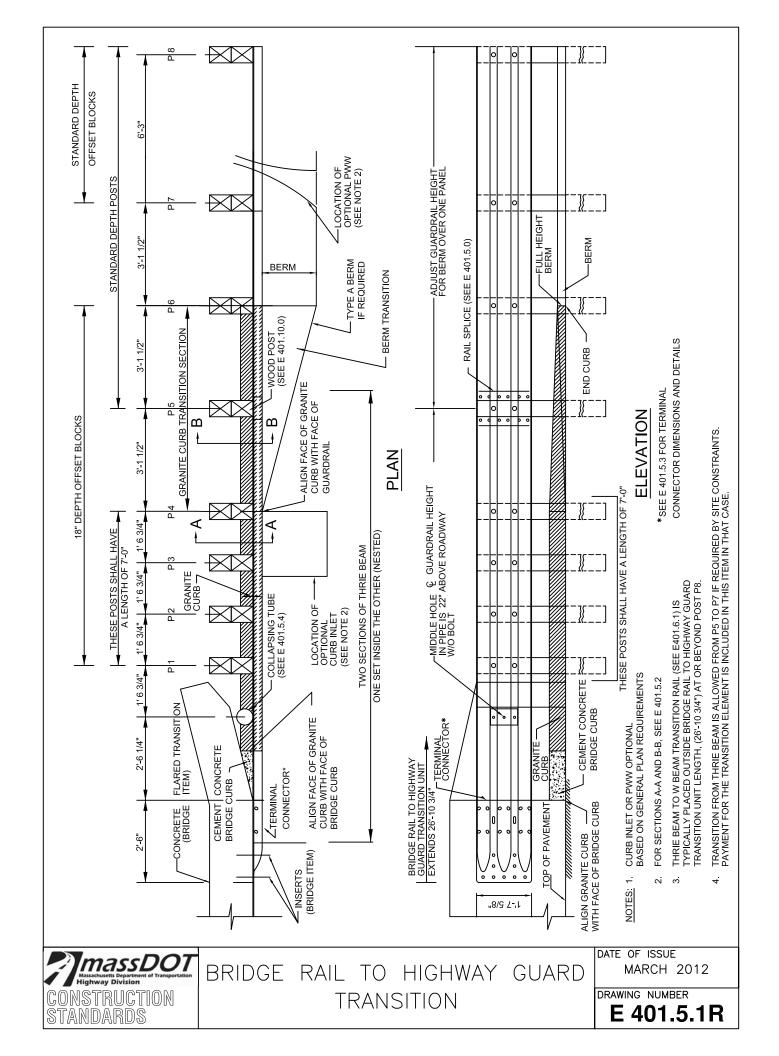


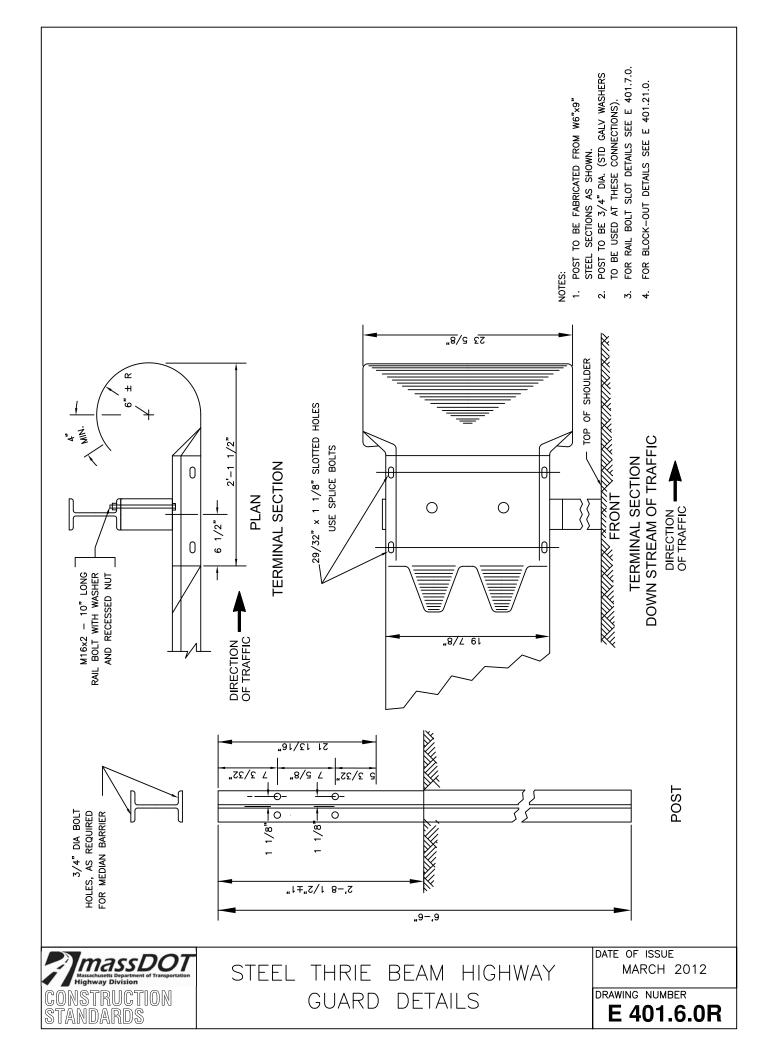
MANHOLE FRAME AND COVER — A FRAME DATE OF ISSUE
MARCH 2012

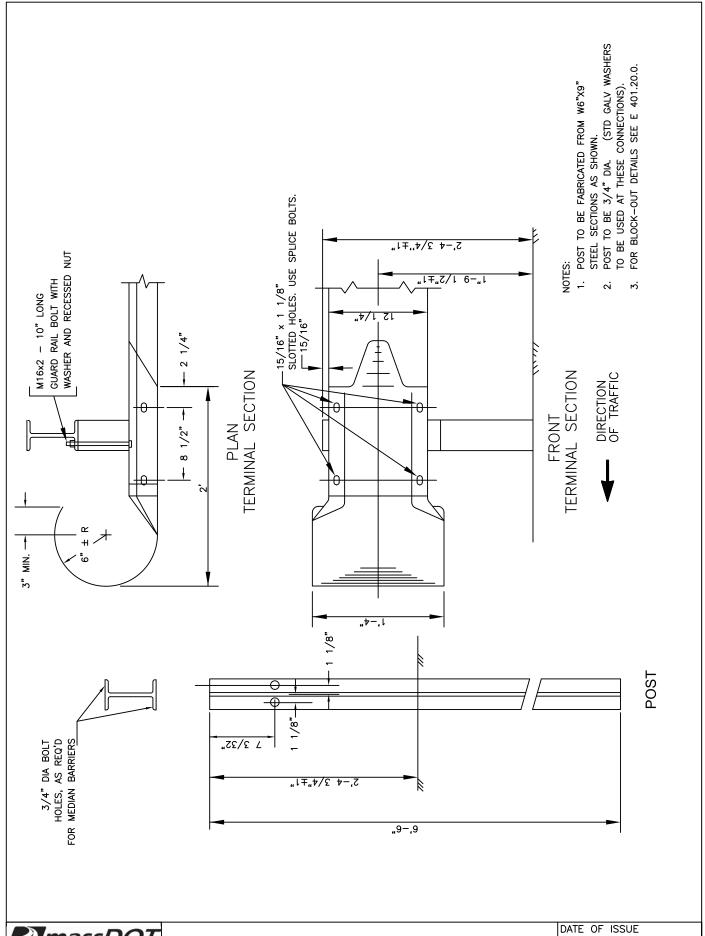
DRAWING NUMBER

E 202.6.0R









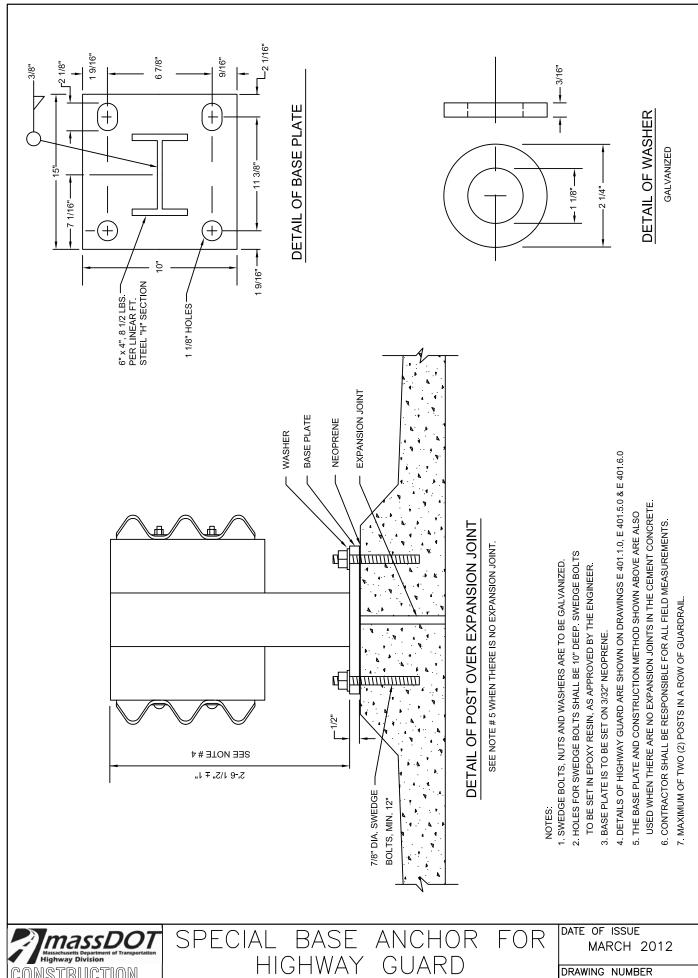


STEEL W BEAM HIGHWAY GUARD POSTS AND TERMINAL SECTION DETAILS

DATE OF ISSUE
MARCH 2012

DRAWING NUMBER

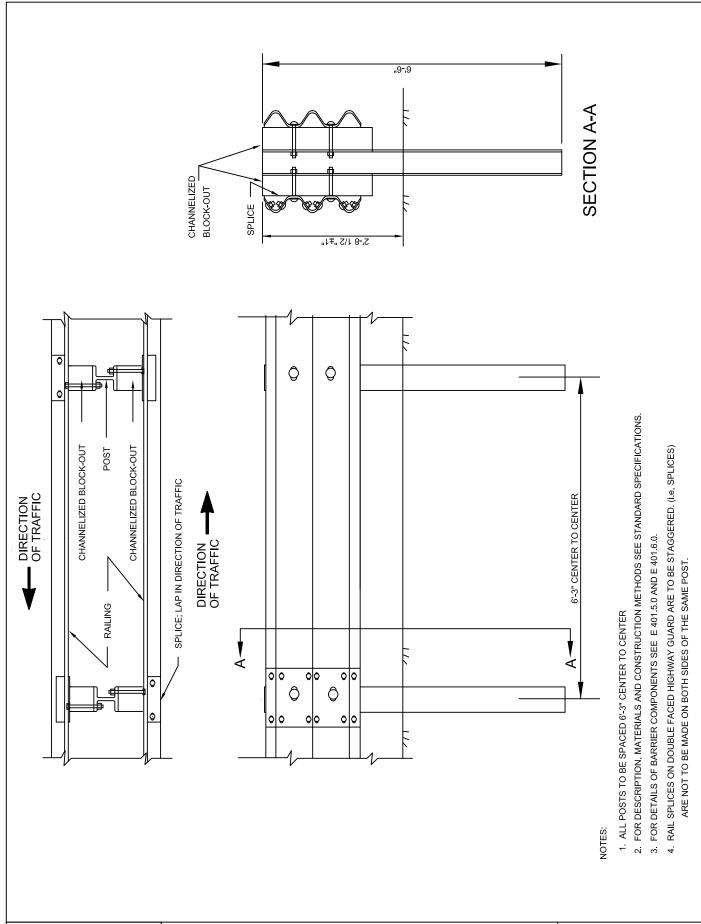
E 401.8.0R



CONSTRUCTION STANDARDS

STAL

401.11.0R





STEEL THRIE BEAM HIGHWAY GUARD

MEDIAN — BARRIER

DATE OF ISSUE MARCH 2012

DRAWING NUMBER

E 401.16.0R