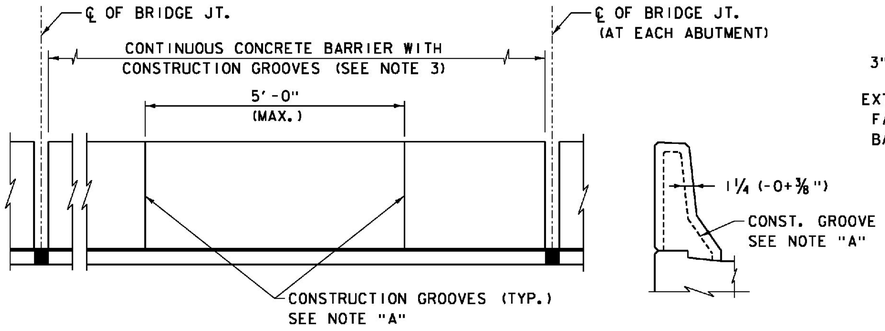


ELEVATION

TYPICAL SECTION THROUGH BARRIER

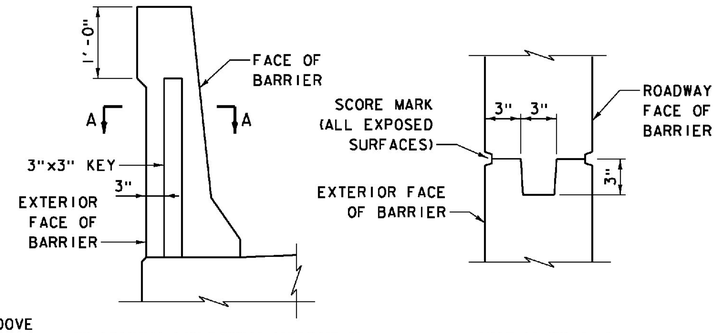
CONCRETE BARRIER GROOVE SPACING
NOT TO SCALE

NOTE "A":

CONSTRUCTION GROOVES SHALL BE MADE BY:

1. FORMING FOR CAST-IN PLACE CONSTRUCTED FORMS.
2. SAWING THE SET CONCRETE WITHIN 8 HOURS OF PLACEMENT FOR CAST-IN-PLACE SLIP FORM.
3. CUTTING THE PLASTIC CONCRETE.

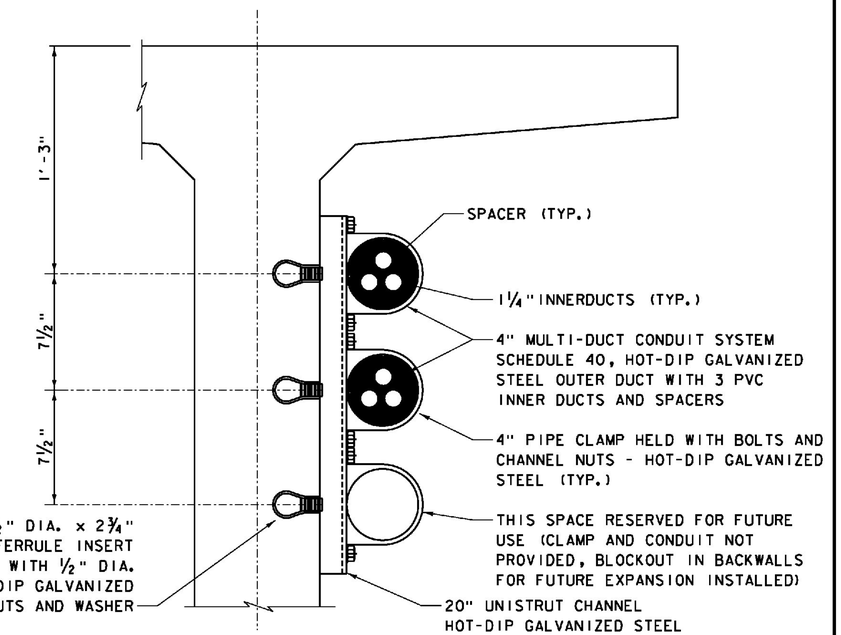
COMBINATION OF THESE METHODS MAY BE EMPLOYED.
THE DEPTH OF THE GROOVES SHALL BE 1¼" (+/- ⅜") CONSTANT DEPTH 45° CHAMFERS AT THE SURFACE. THE LONGITUDINAL REINFORCING BARS FOR THE CONCRETE BARRIERS SHALL BE CONTINUOUS BETWEEN BRIDGE EXPANSION JOINTS. WHERE SPLICES ARE REQUIRED, THE LENGTH OF THE LAP SHALL BE SUFFICIENT TO DEVELOP EACH BAR.



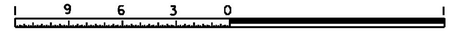
SECTION THROUGH BARRIER

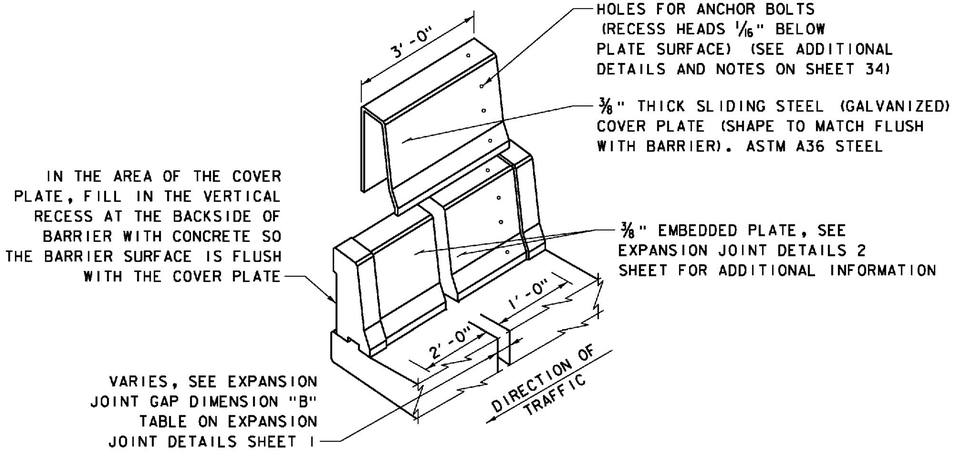
SECTION A-A

BARRIER CONSTRUCTION JOINT DETAILS
NOT TO SCALE



CONDUIT ATTACHMENT ASSEMBLY DETAIL
SCALE 3" = 1'-0"





COVER PLATE DETAIL FOR F-SHAPED CONCRETE BARRIER
NOT TO SCALE

CONCRETE BARRIER NOTES:

1. COVER PLATES SHALL BE INSTALLED WITH THE EDGE OF THE RECESS ON THE BOLTED SIDE TO ALLOW CLEARANCE DURING BRIDGE TEMPERATURE EXPANSION.
2. FOR ADDITIONAL DETAILS AT DECK EXPANSION JOINTS, SEE EXPANSION JOINT DETAILS SHEET 2.
3. A CONSTRUCTION JOINT SHALL BE FORMED IN THE F-SHAPED BARRIER AT THE CENTERLINE OF EACH PIER. SEE DETAIL THIS SHEET. THE SCORE MARK IDENTIFIED ON THE CONSTRUCTION JOINT DETAIL SHALL BE MODIFIED TO REPLICATE THE PROFILE OF STANDARD CONCRETE BARRIER GROOVES.
4. ALL STEEL PLATES AND SHAPES SHALL BE HOT-DIP GALVANIZED IN CONFORMANCE WITH AASHTO M111 (ASTM A123).
5. ALL STEEL INSERTS SHALL BE HOT-DIP GALVANIZED IN CONFORMANCE WITH AASHTO M232 (ASTM A153).

MULTI-DUCT CONDUIT SYSTEM NOTES:

1. FOR VAULT LOCATION AND DETAILS, SEE ROADWAY PLANS.
2. FOR BACKWALL BLOCKOUT DETAILS, SEE BRIDGE 33S SUBSTRUCTURE PLANS.
3. CONDUIT EXPANSION JOINTS WILL BE PLACED AT ONE OR BOTH ABUTMENT 1 AND/OR ABUTMENT 2 LOCATIONS.
4. A WORK PACKAGE WILL BE DEVELOPED TO INCLUDE ALL NECESSARY DETAILS OF THE ENTIRE CONDUIT AND VAULT SYSTEM.
5. GALVANIZED SURFACES OF CONDUIT, BARRIER COVER PLATE OR SUPPORTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED IN CONFORMANCE WITH THE REQUIREMENTS OF ASTM A780.

ITEMS USED ON THIS SHEET	
ITEM NO.	DESCRIPTION
900.620	INSTALLATION OF MULTI-DUCT CONDUIT SYSTEM FOR THE ACCOMODATION OF FIBER OPTIC CABLE
900.640	BRIDGE RAILING, F-SHAPE BARRIER
900.640	BRIDGE EXPANSION JOINT, STRIP SEAL

PROJECT NAME: WINDSOR
PROJECT NUMBER: IM 091-1(64)

FILE NAME: s10o188DECK DTL3.dgn
PROJECT LEADER: J. WILSON
DESIGNED BY: R. PEIN
BARRIER AND CONDUIT DETAILS

PLOT DATE: 7/30/2015
DRAWN BY: N.GARCIA III
CHECKED BY: G. WALKER
SHEET 63 OF 156