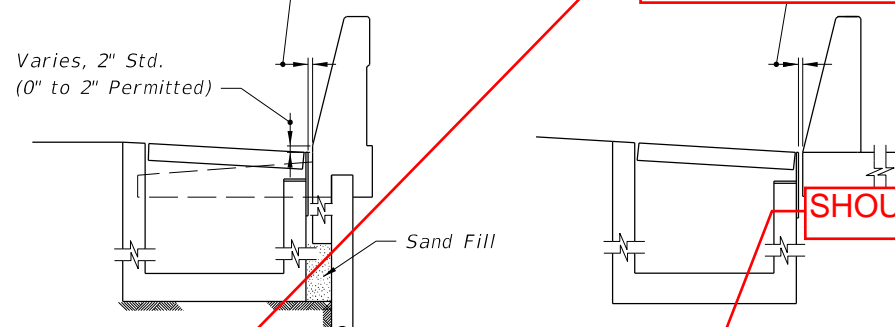


LOW SIDE SUPERELEVATION PAVEMENT WARP FOR SHOULDERS IN SUPERELEVATION
HIGH SIDE TRANSITION PAVEMENT WARP FOR SHOULDERS IN SUPERELEVATION

Joint And Bond Breaker:
Cast-In-Place Inlets:
One layer ASTM D6380 Class S, Type III
Organic Felt bond breaker between inlet and
barrier, including footings.
Precast Inlets:
Joint width 1" max. Seal with backer rod and
Department-approved pavement sealant.
See Section BB For Other Barriers

Varies, 2" Std.
(0" to 2" Permitted)



BARRIER-JUNCTION SLAB & WALL COPING

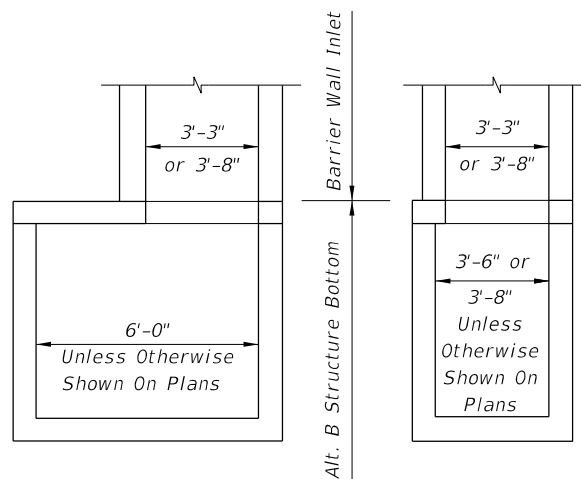
SHOULDER BARRIER-FOOTING

~~TRAFFIC RAILING / WALL COPING~~

~~ROADWAY BARRIER~~

~~INLET SECTION AT WALLS~~

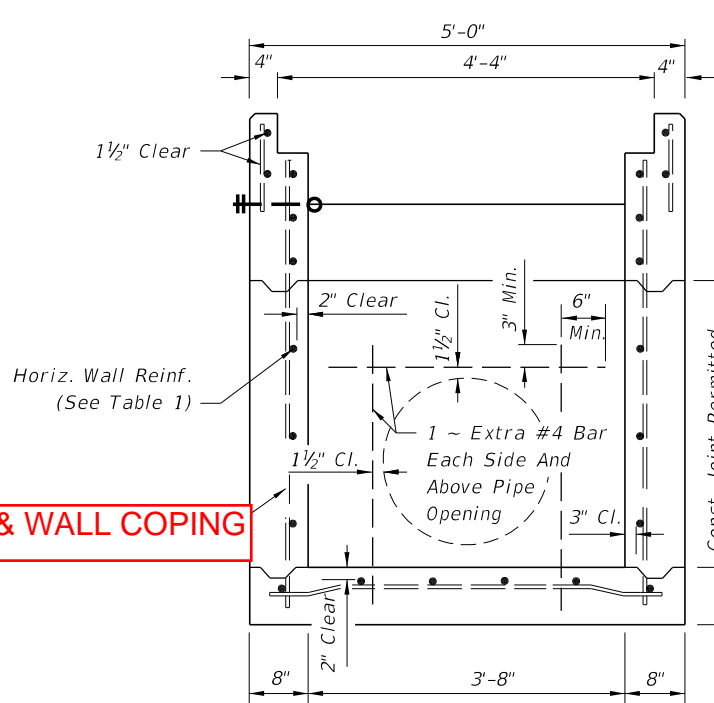
BARRIERS



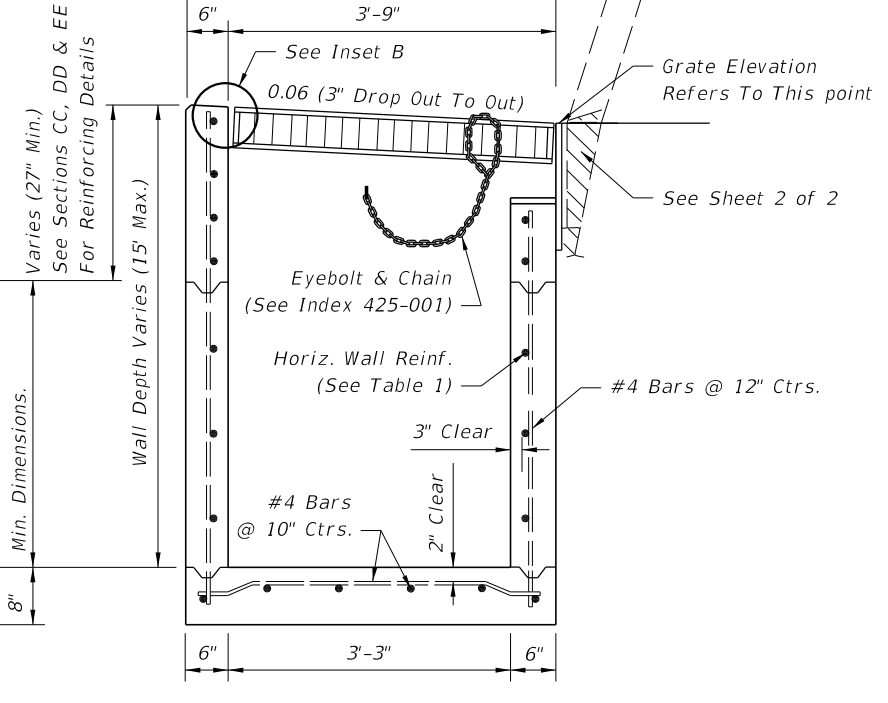
Note: Alt. B Structure Bottom Only. See Index 425-010

INLET WITH STRUCTURE BOTTOM

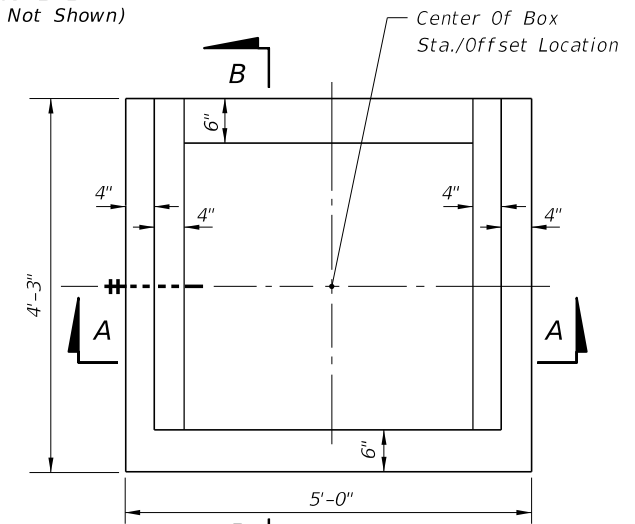
12/07/17



SECTION A-A (WITHOUT GRATE)
(Pipe Opening Shown)



SECTION B-B
(Pipe Opening Not Shown)



TOP VIEW (WITHOUT GRATE)

GENERAL NOTES:

- Where called for in the Plans, use this inlet in conjunction with Shoulder Barrier per Index 521-001 or a Wall Coping with Traffic Railing/Junction Slab per Index 521-610. Use of the inlet adjacent to other Concrete Barrier or Traffic Railing types requires approval of the Drainage Engineer. The inlet is suitable for bicycle and occasional pedestrian traffic, with roller bar installation (see INSET B), but should not be placed in a designated pedestrian travel way.
- Inlets located in embankments constructed with earth anchored retaining wall shall be designed with minimum depths to reduce adverse impact on the anchorage system. Runs of pipe parallel to and near anchored wall shall be avoided wherever practical. Special coordination must be exercised during the design and construction of storm water systems within anchored wall systems.
- Inlet bottoms and/or tops may be either precast or cast-in-place. Whether cast as a single unit or as multiple segments, and whether precast or cast-in-place, the upper 2'-3" of the inlet shall be reinforced in accordance with sections CC, DD and EE.
- All exposed edges and corners shall be 3/4" chamfer or tooled to 1/4" radius.
- When Alternate G grate is specified in the plans, the grate is to be hot-dip galvanized after fabrication. Field installation of the filler bar called for in Inset B will not be permitted, thereby requiring tolerance adjustment during fabrication and/or casting, or, matching grate to structure prior to galvanizing.
- All reinforcing is Grade 60 bars. See Index 425-001 for equivalent area of welded wire fabric.
- All dimensions are for both precast and cast-in-place inlets unless otherwise noted.
- For supplemental details see Indexes 425-001 and 425-010.
- Inlets to be paid for under the contract unit for Inlets (Concrete Barrier), Ea.

TABLE 1: HORIZONTAL WALL REINFORCING SCHEDULE

WALL DEPTH	SCHEDULE	AREA (in. ² /ft.)	MAX. SPACING	
			BARS	WWF
0'-5'	A12	0.20	12"	8"
5'-10'	A6	0.20	6"	5"
10'-15'	A4	0.20	4"	3"
10'-15'	B5.5	0.24	5 1/2"	5"

10/16/2017 8:44:00 AM

LAST REVISION 11/01/17	DESCRIPTION:	
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FY 2018-19
STANDARD PLANS

SHOULDER BARRIER INLET

INDEX
425-031

SHEET
1 of 2