INLET WITH STRUCTURE BOTTOM

PAVEMENT WARP FOR SHOULDERS IN SUPERELEVATION

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

SECTION B-B
(Pipe Opening Not Shown)

GENERAL NOTES:

1. Where called for in the Plans, use this Inlet in conjunction with Shoulder Barrier per Index 521-001 or a Wall Coping with Barrier and 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.

2. 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.

3. 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.

4. All exposed edges and corners shall be 1/2" chamfer or tooled to 1/4" radius.

5. When Alternate G grate is specified in the plans, the grate is to be hot-dip galvanized after fabrication. Field installation of the filter 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.

6. All reinforcing is Grade 60 bars. See Index 425-001 for equivalent area of welded wire fabric.

7. All dimensions are for both precast and cast-in-place inlets unless otherwise noted.

8. For supplemental details see Indexes 425-001 and 425-010.

9. Inlets to be paid for under the contract unit for Inlets (Concrete Barrier), Ea.

WALL REINFORCING SCHEDULE

<table>
<thead>
<tr>
<th>WALL DEPTH</th>
<th>SCHEDULE</th>
<th>AREA (in²/ft.)</th>
<th>MAX. SPACING</th>
</tr>
</thead>
<tbody>
<tr>
<td>0'-5</td>
<td>A12</td>
<td>0.20</td>
<td>12'</td>
</tr>
<tr>
<td>5'-10</td>
<td>A6</td>
<td>0.20</td>
<td>4'-6&quot;</td>
</tr>
<tr>
<td>10'-15</td>
<td>A4</td>
<td>0.20</td>
<td>4'-6&quot;</td>
</tr>
<tr>
<td>15'-20</td>
<td>85.5</td>
<td>0.24</td>
<td>5'/6&quot;</td>
</tr>
</tbody>
</table>

Table 1: Horizontal Wall Reinforcing Schedule

SYMBOLS:

- #4 Bars @ 12" Ctrs.
- #4 Bars @ 10" Ctrs.
- Horiz. Wall Reinf. (See Table 1)
- Horiz. Wall Reinf. (See Index 425-001)
- #4 Bars @ 10" Ctrs.
- 2" Clear
- 3" Clear
- 2" Chamfer
- 3" Chamfer
- 6" Chamfer
- 10" Chamfer
- 15" Chamfer
- Eyebolt & Chain
- Center Of Box Sta/Offset Location
- See Sheet 2 of 2
- See Inset B
- See Section BB For Other Barrier Shape.
- See Index 425-001
- See Section CC, DD & EE
- See Index 425-010
- See Plan For Other Reinforcement Details
- See Plan For Inlet Details
- See Plan For Reinforcement Details
- See Plan For Detail
- See Plan For Plan/Section
- See Plan For Inlet Detail
- See Plan For Inlet

INLET WITH STRUCTURE BOTTOM

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

Barrier Wall Inlet

Barrier Wall Inlet

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

DESCRIPTION:

1. Anchor bolts shall be either ASTM A307 hex head bolts cast-in-place, or ASTM A380 or F1554 (Grade 36) galvanized fully threaded rod, adhesive bonded anchors installed in accordance with Specification Section 436. Bolts or rods shall be 6" long (4" min. embedment) with one heavy hex head nut (ASTM 194 or A563) and one flat washer (ASTM F436) each. All anchor bolts, nuts and washers shall be hot-dip galvanized.

2. All reinforcing steel bars shown are #4 bars.