This inlet to be used in conjunction with Concrete Barrier Wall, Curb and Gutter, Index No. 410. The inlet is suitable for bicycle and occasional pedestrian traffic with extended crossbar or bar sub (see KSET B & B ALTERNATE). Inlet should not be placed in a pedestrian way.

2. All reinforcing is Grade 60 bars. For equivalent area of welded wire fabric for inlet, see Index No. 201. Reinforcing shall have 2" min cover unless otherwise shown. Bars shall be trimmed or bent to provide 1/8" clearance around pipe openings. Cost for additional reinforcing in barrier wall to be included in cost of concrete barrier wall.

3. Barrier wall shall be Class II Concrete, finished surface in accordance with General Note 1, Sheet 1, Index No. 410.

4. All exposed edges and corners shall be 3/4" chamfer or tooted to 1/4" radius.

5. A flat (8X20") drainage slot shall be constructed at the inlet centerline when the inlet is located in a curb sag. For drainage slot construction, no more than two bars shall be trimmed or deformed such as type: AA, 4K, and U-4Bar. On each side of drainage slots, vertical & horizontal bars shall be placed to provide 2" concrete cover.

6. Recommended maximum pipe sizes are 18" longitudinal and 30" transverse. For larger pipe, use Alternate B bottoms, Index No. 200.

7. Grates can be fabricated with reticuline bars or with either 1/2" welded or 3/8" electroforged cross bars and bearing bars as detailed on Sheet 3.

8. When Alternate G grate is specified in plans, the grate is to be hot-dip galvanized after fabrication according to Specification 962-9.

9. For Pay Item purposes, the depth of the barrier wall inlet shall be computed using the center of pipe grate elevation, less the flow line elevation of the lowest pipe flow line or to the top of the sump floor elevation.

10. All dimensions are for both prescast and C-1-P Inlets unless otherwise noted.

11. Inlets to be paid for under the contract unit price for Inlets, Barrier Wall, Rigid, Curb & Gutter. Each.

12. Concrete Barrier Wall to be paid for under the contract unit price for Shoulder Concrete Barrier Wall, Rigid, Curb & Gutter, L.F.
**Concrete Barrier Wall Inlet**

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### Horizontal Wall Reinforcing Schedule (Table 1)

<table>
<thead>
<tr>
<th>Wall Depth</th>
<th>C-I-P Precast</th>
<th>Area/in²</th>
<th>Max. SPACING</th>
<th>Bars</th>
<th>WWR</th>
</tr>
</thead>
<tbody>
<tr>
<td>0'-3</td>
<td>1/12</td>
<td>0.20</td>
<td>18/19</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>4'-6</td>
<td>1/12</td>
<td>0.20</td>
<td>18/19</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>6'-8</td>
<td>1/12</td>
<td>0.24</td>
<td>30/32</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>8'-10</td>
<td>1/12</td>
<td>0.24</td>
<td>30/32</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>10'-15</td>
<td>1/16</td>
<td>0.37</td>
<td>65/67</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

**Reinforcing Notes:**

1. Bars L1: Length 11'-1", Straight @ 8" O.C.
2. Bars L2: Length 8'-4" (Single Throat) @ 8" O.C.
3. Bars L3 & L4: Length 11'-1" Field Bend For 6" Drop (Top Bars) 3" Drop (Bottom Bars) @ 8" O.C.
4. Bars L5: Length 2'-8" Field Bend For Drop Same As L3 & L4 @ 8" O.C.
5. U Bars @ 8" O.C.

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**Notes:**

1. For DOWELED TRANSVERSE CONSTRUCTION JOINT WHEN ABUTTING SEGMENTS(3) LESS THAN 40' IN LENGTH, see DETAIL B, Index 410.
2. For Additional Information on "STANDARD BAR BENDING DETAILS," see Index 21300.
OPTIONAL STEEL GRATES

CROSS BAR OPTIONS

PLAN VIEW

CROSS BAR GRATE

SECTION FF

SECTION GG

PLAN VIEW

SECTION II

REVIEW OF DESIGN STANDARDS

2016

CONCRETE BARRIER WALL INLET

01/01/12  219  3  3

NOTE:
1. For additional information on Bar 4B, see BAR BENDING DIAGRAMS (Sheet 2).
2. C-I-P Inlet Top Reinforcing Similar.

PICTORIAL VIEW OF INLET TOP

PRECAST INLET TOP REINFORCING DETAILS

INDEX NO. 219

SHEET NO. 3 of 3