(6 Inch Standard Curb Insert)

SECTION A-A

(4 Inch Sloped Curb Insert)

SECTION A-A

1. Insert shaping may be modified for insert widths less than 36 inches. For an 18 inch insert, reduce dimensions indicated by $\frac{1}{2}$ inch.
Transverse joint spacing on new concrete pavement is controlled by the intake boxout. Adjust adjacent joint spacing as required to accommodate boxouts.

For retrofit intakes, match existing pavement joints. Stop any transverse pavement joints that do not conform to the minimum spacing requirements at the edge of the insert area.

Rounded shaping at inlet.

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**REINFORCING BAR LIST**

<table>
<thead>
<tr>
<th>Mark</th>
<th>Size</th>
<th>Location</th>
<th>Count</th>
<th>Length</th>
<th>Spacing</th>
</tr>
</thead>
<tbody>
<tr>
<td>4b1</td>
<td>4</td>
<td>Base</td>
<td>9</td>
<td>4'-6&quot;</td>
<td>12&quot;</td>
</tr>
<tr>
<td>4b2</td>
<td>4</td>
<td>Base</td>
<td>6</td>
<td>8'-6&quot;</td>
<td>11&quot;</td>
</tr>
<tr>
<td>4i1</td>
<td>4</td>
<td>Insert</td>
<td>4</td>
<td>Boxout Length minus 8&quot;</td>
<td>See Insert</td>
</tr>
<tr>
<td>4i1</td>
<td>4</td>
<td>Top</td>
<td>7</td>
<td>8'-6&quot;</td>
<td>See Plan</td>
</tr>
<tr>
<td>4i2</td>
<td>4</td>
<td>Top</td>
<td>8</td>
<td>4'-4&quot;</td>
<td>12&quot;</td>
</tr>
<tr>
<td>4i3</td>
<td>4</td>
<td>Top</td>
<td>18</td>
<td>1'-10&quot;</td>
<td>6&quot;</td>
</tr>
<tr>
<td>4w1</td>
<td>4</td>
<td>Walls</td>
<td>24</td>
<td>Wall Height minus 4&quot;</td>
<td>13&quot;</td>
</tr>
<tr>
<td>4w2</td>
<td>4</td>
<td>Long Walls</td>
<td>Varies</td>
<td>4'-8&quot;</td>
<td>12&quot;</td>
</tr>
<tr>
<td>4w3</td>
<td>4</td>
<td>Short Walls</td>
<td>Varies</td>
<td>8'-8&quot;</td>
<td>12&quot;</td>
</tr>
<tr>
<td>5w1</td>
<td>5</td>
<td>Beam</td>
<td>2</td>
<td>8'-3&quot;</td>
<td>4&quot;</td>
</tr>
</tbody>
</table>
**Section C-C**

- **Wall Height**: 8" min.
- **Depth**: 10'-0" max.
- **Form Grade**: 14½"
- **Concrete Fillet**: 8" min.
- **Wall Height**: 8" min.
- **Lowest Flowline**: 6" min.
- **Bedding Material**: 8" min. Class I

**Section B-B**

- **Beam**: 6" min.
- **4w1 Wall Height**: 6" min.
- **4w2**: 6" min.
- **4b2**: 6" min.
- **4b1**: 6" min.
- **Lowest Flowline**: 6" min.
- **Bedding Material**: 8" min.

**Isometric View**

- **Top**: Spacer
- **Walls**: Beam

**Plan (Spacer)**

- Do not extend keyed joint into front wall of box

**Table: Maximum Pipe Diameters**

<table>
<thead>
<tr>
<th>Location</th>
<th>Precast Structure</th>
<th>Cast-in-place Structure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short Wall</td>
<td>30&quot;</td>
<td>36&quot;</td>
</tr>
<tr>
<td>Long Wall</td>
<td>60&quot;</td>
<td>66&quot;</td>
</tr>
</tbody>
</table>

**Notes**
4. 12 inch minimum wall height above all pipes.
5. Slope of 1.5% or as specified in the contract documents.

**Contract Documents**

- Added Class I Bedding Material and changed maximum box out length to 17'.

**DOUBLE OPEN-THROAT CURB**

**INTAKE, LARGE BOX**