For an 18 inch insert, reduce insert widths less than 36 inches. Insert shaping may be modified for insert widths less than 36 inches.

(36" typ., 18" min.)

Width of Insert

Face of 6"

Standard Curb

Face of 4"

Sloped Curb

Form Grade

Trowel smooth and place bond breaker

Back of Curb

Edge of Gutter

(if applicable)

Normal Pavement Slope

Normal Pavement Slope

SECTION A-A

(6 Inch Standard Curb Insert)

SECTION A-A

(4 Inch Sloped Curb Insert)
12'' typ. (Back of Curb)

Boxout Length
(15'-0" min., 20'-0" max.)

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.

REINFORCING BAR LIST

<table>
<thead>
<tr>
<th>Mark</th>
<th>Size</th>
<th>Location</th>
<th>Shape</th>
<th>Count</th>
<th>Length</th>
<th>Spacing</th>
</tr>
</thead>
<tbody>
<tr>
<td>4b1</td>
<td>4</td>
<td>Base</td>
<td>------</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>------</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>------</td>
<td>4</td>
<td>Boxout Length minus 8&quot; See Insert</td>
<td></td>
</tr>
<tr>
<td>4i1</td>
<td>4</td>
<td>Top</td>
<td>------</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>------</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>------</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>------</td>
<td>24</td>
<td>Wall Height minus 4&quot; 13&quot;</td>
<td></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>
<td></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>
<td></td>
</tr>
<tr>
<td>5w1</td>
<td>5</td>
<td>Beam</td>
<td>------</td>
<td>2</td>
<td>8'-3&quot;</td>
<td>4&quot;</td>
</tr>
</tbody>
</table>
**FIGURE 6010.510**

**STANDARD ROAD PLAN**

**SW-510**

**DOUBLE OPEN-THROAT CURB**

**INTAKE, LARGE BOX**

---

**SECTION C-C**

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

**MAXIMUM PIPE DIAMETERS**

<table>
<thead>
<tr>
<th>Pipe 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>

---

**SECTION B-B**

- Do not extend keyed joint into front wall of box.