Trowel smooth and place bond breaker.

SECTION A-A
(6 inch Standard Curb Insert)

SECTION A-A
(4 inch Sloped Curb Insert)

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.
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>3'-6&quot;</td>
<td>12''</td>
</tr>
<tr>
<td>4b2</td>
<td>4</td>
<td>Base</td>
<td></td>
<td>5</td>
<td>8'-6&quot;</td>
<td>10''</td>
</tr>
<tr>
<td>4t1</td>
<td>4</td>
<td>Insert</td>
<td></td>
<td>4</td>
<td>Boxout Length minus 8&quot;</td>
<td>See Insert</td>
</tr>
<tr>
<td>4t1</td>
<td>4</td>
<td>Top</td>
<td></td>
<td>6</td>
<td>8'-6&quot;</td>
<td>See Plan</td>
</tr>
<tr>
<td>4t2</td>
<td>4</td>
<td>Top</td>
<td></td>
<td>8</td>
<td>3'-6&quot;</td>
<td>12''</td>
</tr>
<tr>
<td>4t3</td>
<td>4</td>
<td>Top</td>
<td></td>
<td>18</td>
<td>10''</td>
<td>6''</td>
</tr>
<tr>
<td>4w1</td>
<td>4</td>
<td>Walls</td>
<td></td>
<td>22</td>
<td>Wall Height minus 4&quot;</td>
<td>13''</td>
</tr>
<tr>
<td>4w2</td>
<td>4</td>
<td>Long Walls</td>
<td></td>
<td>Varies</td>
<td>4'-8&quot;</td>
<td>12''</td>
</tr>
<tr>
<td>4w3</td>
<td>4</td>
<td>Short Walls</td>
<td></td>
<td>Varies</td>
<td>3'-8&quot;</td>
<td>12''</td>
</tr>
<tr>
<td>5w1</td>
<td>5</td>
<td>Beam</td>
<td></td>
<td>2</td>
<td>7'-3&quot;</td>
<td>4''</td>
</tr>
</tbody>
</table>

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.

Transverse joint spacing on new concrete pavement is controlled by the intake boxout. Adjust adjacent joint spacing as required to accommodate boxouts.

Rounded shaping at inlet.

FIGURE 6010.509
STANDARD ROAD PLAN
Revised: 04-21-20
SHEET 2 of 3
INTAKE, SMALL BOX

SW-509
DOUBLE OPEN-THROAT CURB
**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>24''</td>
<td>30''</td>
</tr>
<tr>
<td>Long Wall</td>
<td>60''</td>
<td>60''</td>
</tr>
</tbody>
</table>

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

**SECTION C-C**

- **Form Grade**
- **Back of Curb**
- **Side Wall**
- **Beam**
- **Concrete Fillet**
- **Wall Height**
- **Depth 10'-0'' max.**
- **Wall Height**
- **Lowest Flowline**
- **Bedding Material**

**SECTION B-B**

- **ISOMETRIC**
  - (Refer to SECTION B-B for alignment of Top with Spacer)
  - **Do not extend keyed joint into front wall of box**
  - **Wall**
  - **Beam**
  - **Spacer**
  - **Top**

**Figure 6010.509**

**DOUBLE OPEN-THROAT CURB**

**INTAKE, SMALL BOX**