FIGURE 6010.507  STANDARD ROAD PLAN

SW-507

SINGLE OPEN-THROAT CURB
INTAKE, SMALL BOX

Back of Curb

Width of Insert
(36" typ., 18" min.)

Edge of Gutter
(if applicable)

Normal Pavement
Slope

Trowel smooth and
place bond breaker

INSERT
(6 Inch Standard Curb)

Form Grade

Face of 6''
Standard Curb

12''

5''

min.

4''

6''

8''

4''

Sloped Curb

Face of 4''
Sloped Curb

6''

5''

6''

6''

12''

Edge of Gutter
(if applicable)

Normal Pavement
Slope

Trowel smooth and
place bond breaker

INSERT
(4 Inch Sloped Curb)

Form Grade

Back of Curb

Width of Insert
(36" typ., 18" min.)

Edge of Gutter
(if applicable)

Normal Pavement
Slope

Trowel smooth and
place bond breaker

INSERT
(6 Inch Standard Curb)

Form Grade

Face of 6''
Standard Curb

12''

5''

min.

4''

6''

8''

4''

Sloped Curb

Face of 4''
Sloped Curb

6''

5''

6''

6''

12''

Edge of Gutter
(if applicable)

Normal Pavement
Slope

Trowel smooth and
place bond breaker

INSERT
(4 Inch Sloped Curb)

Form Grade

Back of Curb

Width of Insert
(36" typ., 18" min.)

Edge of Gutter
(if applicable)

Normal Pavement
Slope

Trowel smooth and
place bond breaker

INSERT
(6 Inch Standard Curb)

Form Grade

Face of 6''
Standard Curb

12''

5''

min.

4''

6''

8''

4''

Sloped Curb

Face of 4''
Sloped Curb

6''

5''

6''

6''

12''

Edge of Gutter
(if applicable)

Normal Pavement
Slope

Trowel smooth and
place bond breaker

INSERT
(4 Inch Sloped Curb)

Form Grade

Back of Curb

Width of Insert
(36" typ., 18" min.)

Edge of Gutter
(if applicable)

Normal Pavement
Slope

Trowel smooth and
place bond breaker

INSERT
(6 Inch Standard Curb)

Form Grade

Face of 6''
Standard Curb

12''

5''

min.

4''

6''

8''

4''

Sloped Curb

Face of 4''
Sloped Curb

6''

5''

6''

6''

12''

Edge of Gutter
(if applicable)

Normal Pavement
Slope

Trowel smooth and
place bond breaker

INSERT
(4 Inch Sloped Curb)

Form Grade

Back of Curb

Width of Insert
(36" typ., 18" min.)

Edge of Gutter
(if applicable)

Normal Pavement
Slope

Trowel smooth and
place bond breaker

INSERT
(6 Inch Standard Curb)

Form Grade

Face of 6''
Standard Curb

12''

5''

min.

4''

6''

8''

4''

Sloped Curb

Face of 4''
Sloped Curb

6''

5''

6''

6''

12''

Edge of Gutter
(if applicable)

Normal Pavement
Slope

Trowel smooth and
place bond breaker

INSERT
(4 Inch Sloped Curb)

Form Grade

Back of Curb

Width of Insert
(36" typ., 18" min.)

Edge of Gutter
(if applicable)

Normal Pavement
Slope

Trowel smooth and
place bond breaker

INSERT
(6 Inch Standard Curb)

Form Grade

Face of 6''
Standard Curb

12''

5''

min.

4''

6''

8''

4''

Sloped Curb

Face of 4''
Sloped Curb

6''

5''

6''

6''

12''

Edge of Gutter
(if applicable)

Normal Pavement
Slope

Trowel smooth and
place bond breaker

INSERT
(4 Inch Sloped Curb)

Form Grade

Back of Curb

Width of Insert
(36" typ., 18" min.)

Edge of Gutter
(if applicable)

Normal Pavement
Slope

Trowel smooth and
place bond breaker

INSERT
(6 Inch Standard Curb)

Form Grade

Face of 6''
Standard Curb

12''

5''

min.

4''

6''

8''

4''

Sloped Curb

Face of 4''
Sloped Curb

6''

5''

6''

6''

12''

Edge of Gutter
(if applicable)

Normal Pavement
Slope

Trowel smooth and
place bond breaker

INSERT
(4 Inch Sloped Curb)
12 inch minimum wall height above all pipes.

Slope of 1.5% or as specified in the contract documents.

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.

### 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&quot;</td>
<td>30&quot;</td>
</tr>
<tr>
<td>Long Wall</td>
<td>30&quot;</td>
<td>36&quot;</td>
</tr>
</tbody>
</table>

### 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>41</td>
<td>4</td>
<td>Top</td>
<td></td>
<td>6</td>
<td>4'-6&quot;</td>
<td>See Insert</td>
</tr>
<tr>
<td>42</td>
<td>4</td>
<td>Top</td>
<td></td>
<td>4</td>
<td>3'-6&quot;</td>
<td>12&quot;</td>
</tr>
<tr>
<td>43</td>
<td>4</td>
<td>Top</td>
<td></td>
<td>10</td>
<td>10&quot;</td>
<td>6&quot;</td>
</tr>
<tr>
<td>4B1</td>
<td>4</td>
<td>Base</td>
<td></td>
<td>6</td>
<td>3'-6&quot;</td>
<td>11&quot;</td>
</tr>
<tr>
<td>4B2</td>
<td>4</td>
<td>Base</td>
<td></td>
<td>5</td>
<td>4'-6&quot;</td>
<td>10&quot;</td>
</tr>
<tr>
<td>4I1</td>
<td>4</td>
<td>Insert</td>
<td></td>
<td>4</td>
<td>Boxout Length minus 8&quot;</td>
<td>See Plan</td>
</tr>
<tr>
<td>4W1</td>
<td>4</td>
<td>Walls</td>
<td></td>
<td>14</td>
<td>Wall Height minus 4&quot;</td>
<td>14&quot;</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&quot;</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&quot;</td>
</tr>
</tbody>
</table>