SECTION A-A

NOTE:
Culvert pipe may exit from the side (or sides) by changing reinforcement bars in that area and in the headwall end of box.

GENERAL NOTES
If field conditions will permit, bottom of inlet box shall have 2 (50) slope.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

All dimensions are in inches (millimeters) unless otherwise shown.

DATE REVISIONS
1-1-11 Added 36 (910) dimension to plan view. Corrected weld symbols on Sheet 2.
1-1-09 Switched units to English (metric). Revised General Notes.

INLET BOX
TYPE 24 (600) G

STANDARD 542531-04

(Sheet 1 of 2)
Material Required for One Inlet Box

<table>
<thead>
<tr>
<th>Bar</th>
<th>No.</th>
<th>Size</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>h</td>
<td>10</td>
<td>No. 4</td>
<td>20'-0&quot; (6.10 m)</td>
</tr>
<tr>
<td>u</td>
<td>17</td>
<td>No. 4  (No. 13)</td>
<td>8'-9&quot; (2.67 m)</td>
</tr>
<tr>
<td>u1</td>
<td>6</td>
<td>No. 4  (No. 13)</td>
<td>8'-12&quot; (2.44 m)</td>
</tr>
<tr>
<td>u2</td>
<td>1</td>
<td>No. 4  (No. 13)</td>
<td>5'-6&quot; (1.68 m)</td>
</tr>
<tr>
<td>v</td>
<td>2</td>
<td>No. 4  (No. 13)</td>
<td>3'-3&quot; (0.99 m)</td>
</tr>
<tr>
<td>v1</td>
<td>6</td>
<td>No. 4  (No. 13)</td>
<td>3'-3&quot; (0.99 m)</td>
</tr>
<tr>
<td>v2</td>
<td>10</td>
<td>No. 4  (No. 13)</td>
<td>3'-3&quot; (0.99 m)</td>
</tr>
<tr>
<td>v3</td>
<td>10</td>
<td>No. 4  (No. 13)</td>
<td>3'-3&quot; (0.99 m)</td>
</tr>
</tbody>
</table>

Concrete

- Cu. yds. (m³): 3.2 (2.46)
- CU. lbs. (kg): 270 (122)
- CU. m: 56.8 (20.0)

**SECTION B-B**

- 3 x 3/8 (76 x 10) support bar, each end
- Main bearing bars: 4 x 3 x 3/8 (102 x 76 x 13)
- Angle frame: 1/4 x 2 x 2 (63 x 50 x 150)

**SECTION B-B**

**SECTION C-C**

**SECTION D-D**

**TYPICAL CAST GRATING**

**DETAIL B**

**DETAIL C**

**INLET BOX**

**TYPE 24 (600) G**

**STANDARD 542531-04**

**GRATING 34 (863)**