Minimum length of pipe with restrained joints shall be designed by the engineer and shown on the plans.

End of water main, station as shown on plans.

**Bill of Materials**

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4&quot; - 10&quot; WATER MAIN PER PLAN</td>
</tr>
<tr>
<td>2</td>
<td>4&quot; - 10&quot; MJ END CAP W/ 2&quot; ECCENTRIC TAP 1</td>
</tr>
<tr>
<td>3</td>
<td>2&quot; x 12&quot; GALV STEEL PIPE, (IPT) 2</td>
</tr>
<tr>
<td>4</td>
<td>2&quot; GALV STEEL PIPE, (IPT) 6 LF ±</td>
</tr>
<tr>
<td>5</td>
<td>2&quot; VALVE (FIPT), PER SPECIFICATIONS 1</td>
</tr>
<tr>
<td>6</td>
<td>2&quot; x 90° GALV STEEL ELL, (FIPT) 2</td>
</tr>
<tr>
<td>7</td>
<td>2&quot; GALV END CAP, (FIPT) 1</td>
</tr>
<tr>
<td>8</td>
<td>MAIN SIZE GRIP RING KIT 1</td>
</tr>
<tr>
<td>9</td>
<td>METER BOX (TRAFFIC RATED LID AND BOX) 1</td>
</tr>
</tbody>
</table>

**NOTES:**

1.) CONTRACTOR SHALL LEAVE END CAP IN PLACE UNTIL FINAL CONNECTION BY CITY FORCES

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**4" THROUGH 10" TEMPORARY CONSTRUCTION END CAPS FOR FLUSHING, TESTING, & CHLORINATION**

CITY OF RIVERSIDE PUBLIC UTILITIES STANDARD DRAWING

WATER DISTRIBUTION & TRANSMISSION PIPELINE CONSTRUCTION METHODS

APPROV. 1/8/2013 DATE CWD-412