NOTES:

1. Adjust manholes upward with adjusting rings under frame.
2. Adjust manholes downward by removing cone and barrel sections as necessary and replacing with sections of length required to match grade.
3. Slope manhole frame as required to match slope of street.
4. Make final manhole adjustments before paving.

**MANHOLE ADJUSTMENT DETAIL**

NOTES:

1. Adjust water valves upward or downward as required.
2. Make final adjustment before paving.

**VALVE BOX ADJUSTMENT DETAIL**
**VALVE BOX ADJUSTMENT DETAIL**

1. Adjust valves upward or downward as required.
2. Construct concrete collar of class general concrete or approved equal.

**MANHOLE ADJUSTMENT DETAIL**

1. Adjust manholes upward with adjusting rings under frame.
2. Adjust manholes downward by removing cone and barrel sections as necessary and replacing with sections of length required to match grade.
3. Slope manhole frame as required to match slope of street.
4. Construct concrete collar of class general concrete or approved equal.

**CONCRETE COLLAR DETAIL**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>SQUARE COLLAR QUANTITIES</th>
<th>ROUND COLLAR QUANTITIES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CLASS GENERAL CONCRETE</td>
<td>CLASS GENERAL CONCRETE</td>
</tr>
<tr>
<td>MANHOLE</td>
<td>6.0 C.Y. (4.6m³)</td>
<td>6.0 C.Y. (4.6m³)</td>
</tr>
<tr>
<td>VALVE</td>
<td>3.0 C.Y. (2.4m³)</td>
<td>3.0 C.Y. (2.4m³)</td>
</tr>
</tbody>
</table>

**NOTES:**

- Units shown in brackets [] are metric and are in millimeters (mm) unless other units are shown.

**REFERENCE:** Dwg. No. 621-05

**OPTIONAL MANHOLE AND VALVE BOX ADJUSTMENT DETAILS**