Refer to trench detail for backfill requirements.

Install two continuous beads of flexible sealant between all joints (Kent Seal, Ram-Nek, or approved equal), typical.

Bottom step shall be placed between 8" and 24" above manhole base.

Manhole base shall be 3,000 psi minimum.

PROFILE VIEW

6" min. Class 2 Aggregate Base (Min. 95% relative compaction)

PLAN VIEW

Flow Direction

45°

NOTES:

1. Drop manhole is mandatory when differential between inverts is greater than 24 inches.

2. Only one inside drop connection allowed per 48 inch diameter manhole. Use larger manhole for multiple drop connections.

3. Position manhole cone section to maximize the horizontal clear distance for maintenance personnel.

4. All holes for pipe and bolts shall be either drilled or sawcut.

5. Secure drop pipe to the wall with adjustable brackets of 1 1/2" minimum width; 11 gauge type 304 stainless steel. Pinch bolts and nuts shall be 3/8" diameter, 18-8 stainless, spaced 3" O.C. with a 2 strap minimum.

6. All inside drop pipe and fittings shall be SDR35 PVC.

7. Manholes shall be constructed with a 0.10' elevation drop (or as shown on the Plans) between the sewer main inlet and outlet, if possible.

8. Inside drop bowl shall be sized according to inlet pipe diameter as follows:

<table>
<thead>
<tr>
<th>Inlet pipe</th>
<th>Drop bowl</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>Retainer A6</td>
</tr>
<tr>
<td>8&quot;</td>
<td>Retainer B6</td>
</tr>
<tr>
<td>10&quot;</td>
<td>Retainer B10</td>
</tr>
<tr>
<td>12&quot; &amp; greater</td>
<td>By Special design</td>
</tr>
</tbody>
</table>

9. For force mains use "Retainer" force line hood on drop bowl.