
a. Location.

1) Provide manholes at all breaks in the horizontal and vertical plane for 24-inch and smaller sewer mains.

2) Provide manholes on 27-inch and larger sewers at all breaks in the horizontal and vertical planes, except when the horizontal alignment is in a curve or when the use of bends has been approved, see Part Two, Section 4 (Fittings) and Section 6 (Curved Horizontal Alignment).

3) When the design of the sewer is near an existing/proposed water pipeline 16-inch and larger, which has a blowoff connection, locate the sewer manhole as close as possible to the blow-off connection to allow for the discharge of chlorinated water.

b. Maximum Spacing Between Manholes.

1) For maximum spacing between manholes, see Table "13".

<table>
<thead>
<tr>
<th>Pipe Size</th>
<th>Maximum Manhole Spacing</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-inch to 24-inch</td>
<td>400 feet</td>
</tr>
<tr>
<td>27-inch to 42-inch</td>
<td>600 feet</td>
</tr>
<tr>
<td>48-inch and larger</td>
<td>600 feet, unless otherwise approved by WSSC</td>
</tr>
</tbody>
</table>

TABLE "13"

Maximum Manhole Spacing

C. Minimum Spacing Between Manholes.

1) Outside diameter (OD) of adjacent manholes (including the bottom slabs) should have minimum of five (5) feet horizontal clearance.

Example:
8-inch sewer pipeline connecting to a four (4) foot diameter manhole, provide ten (10) feet horizontal distance between the centerline of manholes to achieve the 5 foot outside horizontal clearance.