

13. Manhole Spacing.

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 "13"
Maximum Manhole Spacing

Pipe Size	Maximum Manhole Spacing
8-inch to 24-inch	400 feet
27-inch to 42-inch	600 feet
48-inch and larger	600 feet, unless otherwise approved by WSSC

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.

