

5.04 At the manhole or cable entrance facility, separate the ducts vertically and horizontally by a minimum of 2 inches (Fig. 5). Separation between ducts can be obtained with preformed, plastic spacers. Do not use wood for spacers. Join the conduit to duct terminators in the wall using the cement (or adhesive) supplied with the conduit. If the conduit is to be cast into the manhole (CEF) wall, attach the duct terminators to the termination end of the conduit prior to encasement in the wall. Place wooden bulkheads in front of the ducts inside the manhole to prevent the flow of concrete into the manhole, and pour concrete (2500 psi, 3/8-inch aggregate, 9-inch slump) around the ducts outside the manhole. To prevent the concrete from flowing along the trench, ei-

ther backfill or place a wooden form 12 to 18 inches from the manhole end wall. Pour the concrete to a minimum depth of 2 inches above the duct entrance.

*Before pouring concrete at the duct entrance, remove all dirt, mud, etc. from the area of the end wall where the concrete will contact the wall. To prevent concrete from entering the ducts, seal each duct with a conduit plug.*

*Note:* Section 622-512-200 outlines the special methods recommended for sealing conduit entrances into manholes.

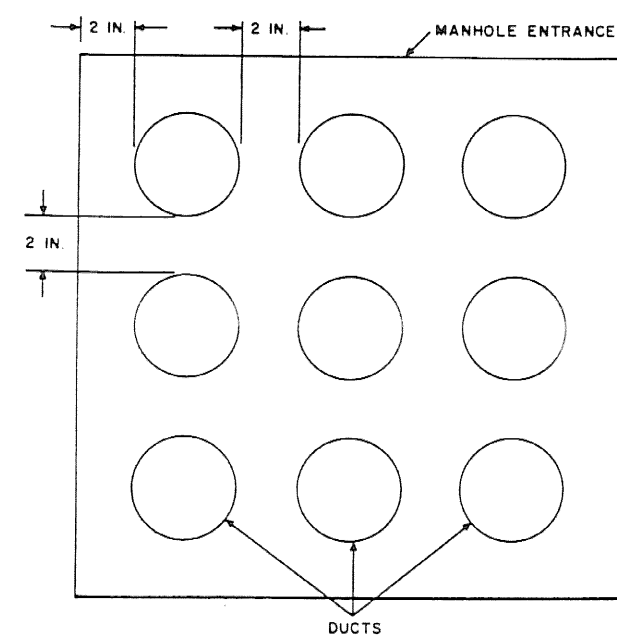


Fig. 5—Separation of Ducts of Manhole and Cable Vault Entrances