

# **CABLE SPLICING—UNDERGROUND**

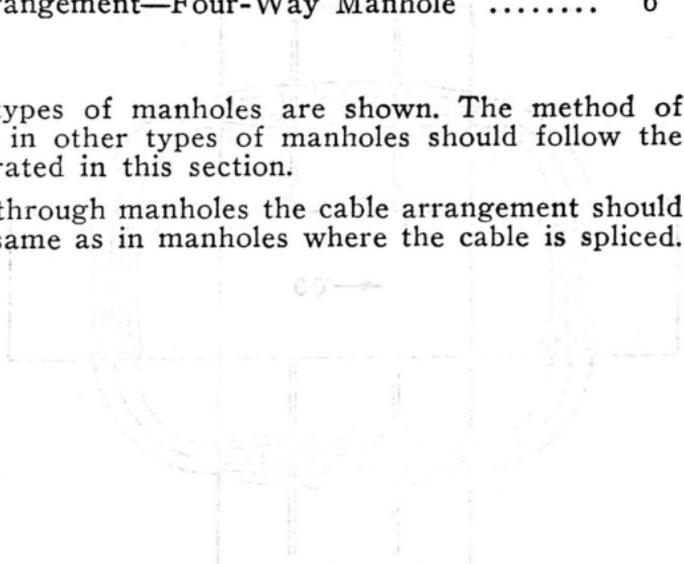
## **CABLE ARRANGEMENT IN MANHOLES**

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### **1. GENERAL**

1.01 Three types of manholes are shown. The method of racking in other types of manholes should follow the principles illustrated in this section.

1.02 In pull-through manholes the cable arrangement should be the same as in manholes where the cable is spliced.

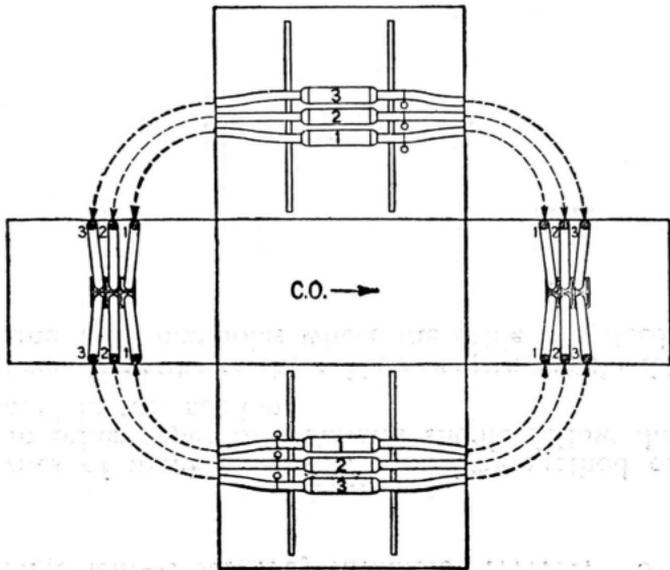


TWO-WAY MANHOLE

## 2. CABLE ARRANGEMENT— TWO-WAY MANHOLE

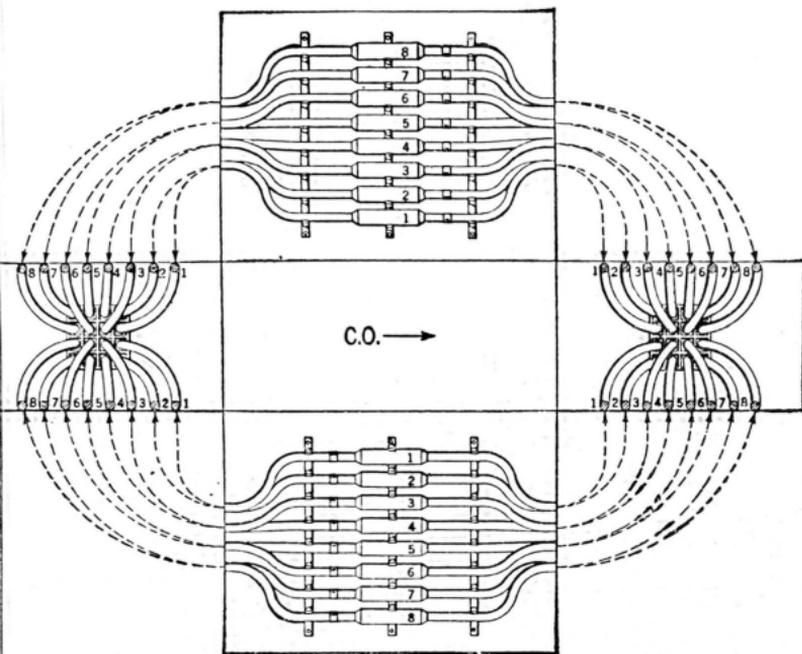
2.01 Single Racking—sleeve between cable racks.

TWO-WAY MANHOLE

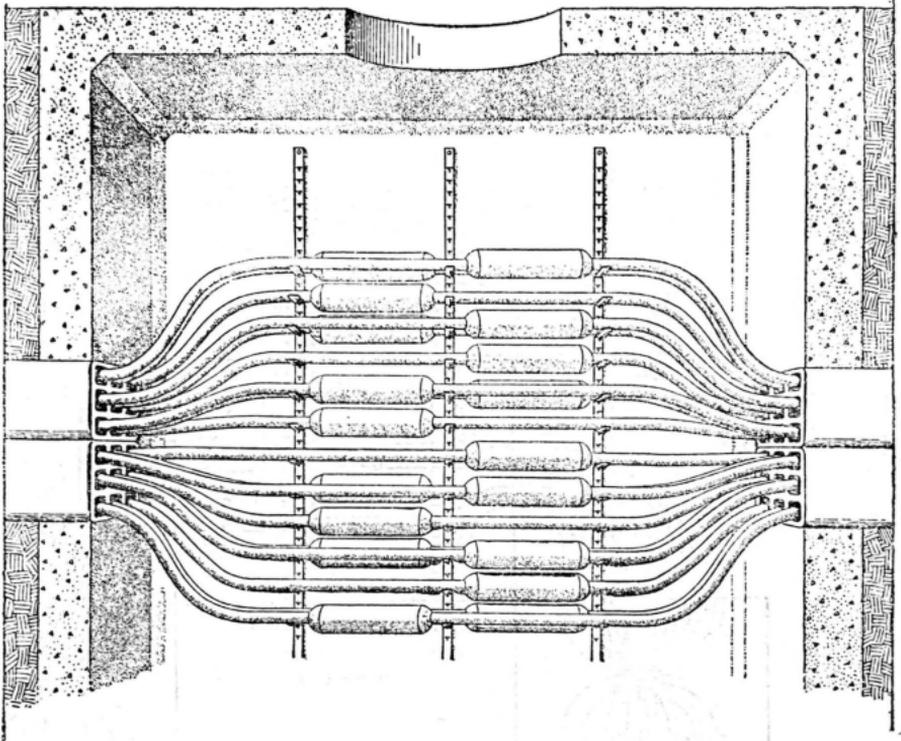


2 Single Racking—sleeves supported on center rack

TWO-WAY MANHOLE



2.03 **Staggered Splices and Double Racking:** When the headroom in the manhole is limited it is sometimes necessary to double rack the cables with two cables supported on the same cable hooks. The splices should be staggered as shown. The sketch illustrates staggered splices on one wall of a manhole in a large duct bank.



STAGGERED SPICES AND DOUBLE RACKING

STAGGERED SPICES AND DOUBLE RACKING

### 3. CABLE ARRANGEMENT— THREE-WAY MANHOLE

3.01 The following example shows the arrangement of the cables in a three-way manhole, with the splices located between the cable racks. The splices in a three-way manhole can be supported on the center rack or double racked as illustrated in Paragraphs 2.02 and 2.03 if the manhole design is such that one of these arrangements is necessary.

THREE-WAY MANHOLE

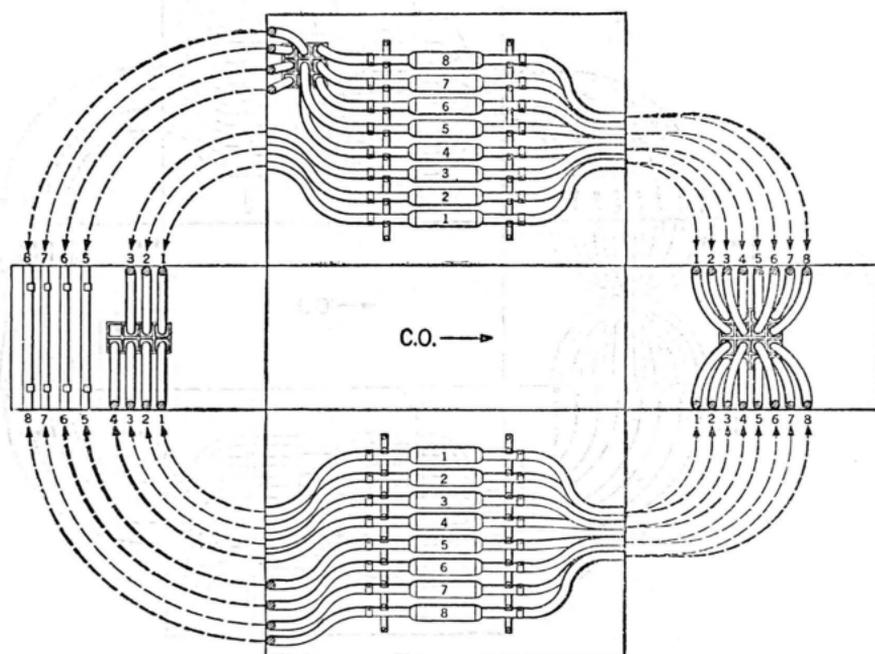


FIGURE 3-1

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## CABLE ARRANGEMENT— FOUR-WAY MANHOLE

1 The following diagram shows the arrangement of the cables in a four-way manhole with the splices supported on the center rack. The splices in a four-way manhole can be supported on two racks or double racked as illustrated in graph 2.03 if the manhole design is such that it is necessary.

FOUR-WAY MANHOLE

