

MANHOLES
IDENTIFICATION

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1. GENERAL

1.01 To facilitate the designation of a particular manhole or group of manholes for record purposes or in connection with maintenance or construction operations, various means of identification may be employed, depending on the conditions along the route of the conduit. In urban territory, local designations such as position with respect to street intersections are commonly used. Where more positive identification is desired the manhole may be tagged in the manhole opening. This method is suitable where manholes are always readily accessible for removal of cover. Where manholes are obscured or difficulty is likely to be experienced in gaining access to the manhole in order to read the number, some external means of locating and identifying, such as manhole markers may be required. At locations within highway limits where heavy vehicular traffic prevails it may be advisable to stamp manhole numbers on the covers in order to permit identification without the necessity of removing the covers.

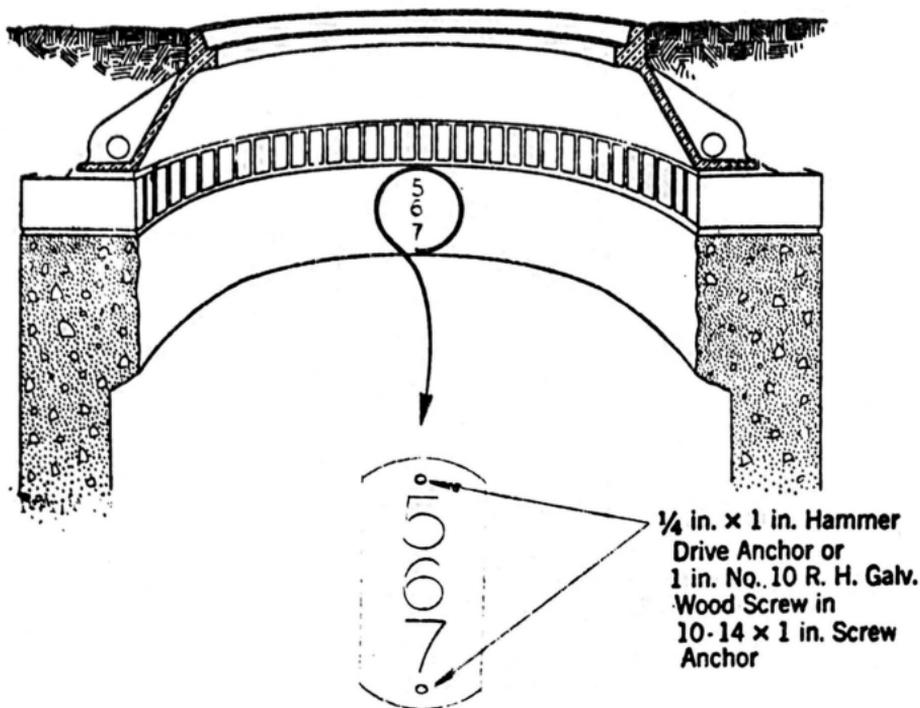
1.02 This section describes the materials and methods commonly employed in providing identification to meet various field requirements.

2. TAGGING

2.01 For tagging manholes, locally made metal pole tags with the manhole number reading vertically downward shall be used.

2.02 Attach the manhole tag at a convenient point on the vertical surface of the opening in the manhole roof approximately in the center of the roof

thickness as shown below.



If the manhole is located within highway limits, the side of the opening nearest traffic might be chosen, as in unseating the cover it will usually be pulled from the opposite side and the number will be more readily seen in that location. Otherwise place the number tag in line with the center line of the manhole in the direction of increasing numbers.

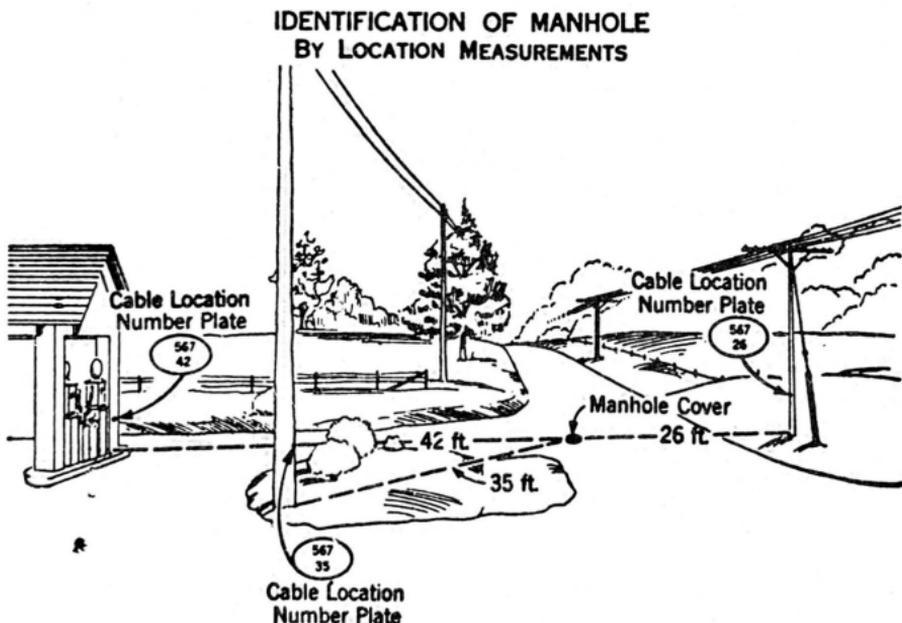
2.03 Use 1/4 inch x 1 inch hammer drive anchors with single head or 1 inch No. 10 R.H. Galv. Wood Screws in 10-14 x 1 inch screw anchors for attaching the number tag to the concrete of the manhole opening.

3. MARKERS

3.01 See Section G56.150-S for information relative to materials and methods commonly employed in this area to meet various field requirements.

3.02 In conduit routes located in outlying districts when permission cannot be obtained for the placing of markers, permanent objects such as poles, trees or buildings may be used to carry information.

3.03 Two or more such points, preferably not over 100 feet from the manhole should be equipped with Cable Location Plates upon which the manhole number together with the distance in feet to the nearest manhole cover has been stamped. If possible, the plates should be placed so as to face toward the manhole.



4. FIGURES STAMPED IN COVER

4.01 At certain locations where heavy vehicular traffic prevails or where several manholes are located in or within a short distance of a street intersection it is generally desirable to assure proper identification before opening a manhole. Where positive identification, without the removal of the cover is required the manhole number shall be stamped in the bell insignia of the cover as follows:

(a) Clean the depressed area within the outlines of the bell symbol in the center of the surface pattern of the cover, using a wire brush. Where the surfaces of the depression are smooth, drill two $\frac{1}{8}$ inch anchor holes $\frac{1}{4}$ inch deep into the side walls of the symbol on opposite sides.

(b) Pour hot lead (molten cable sheath) into the depression until about $\frac{2}{3}$ full. If the surface cools unevenly, smooth it out with a hot soldering iron.

(c) When the lead is cool, stamp the figures of the manhole number in the surface, using the steel Numbering Die or equivalent, to produce figures $\frac{1}{4}$ inch high.

