

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G55.150.7
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SEALING DUCTS
WOODEN CONDUIT PLUGS

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1. GENERAL

1.01 This section is a revision of the information on Wooden Conduit Plugs previously appearing in G55.150.

2. DESCRIPTION AND USE

2.01 Wooden Conduit Plugs are provided for closing ducts temporarily during conduit construction as protection against silt or to prevent stones and other foreign material from getting into the ducts during the interval between the completion of the conduit work and the cable placing. They may also be used in lieu of rubber plugs to seal ducts temporarily in manholes to prevent excessive flow of water. Wooden Conduit Plugs are available in several types and sizes for use with various types and sizes of conduit, as indicated.

Wooden Conduit Plugs

Size and Type of Conduit	Size and Type of Plug
2 in. CW Conduit	2 in. Round
2 in. C.I. Bends or Steel Pipe	2 in. Round
3 in. and 3-1/2 in. CW Conduit	3 in. Round
3 in. and 3-1/2 in. C.I. Bends or Steel Pipe	3 in. Round
3 in. and 3-1/2 in. Cement or Fiber Conduit	3 in. Round

Wooden Conduit Plugs (Continued)

<u>Size and Type of Conduit</u>	<u>Size and Type of Plug</u>
3 in. Sewer Pipe	3 in. Round
1-Duct Rd. Bore Clay Conduit	3 in. Round
Groundline Couplings for 3 in. and 4 in. Sewer Pipe	3 in. Round
3-1/4 in. Square Bore Clay Con- duit	3-1/4 in. Square
4 in. Sewer Pipe	4 in. Round
4-1/4 in. Square Bore Clay Con- duit	4-1/4 in. Square

3. INSTALLATION

3.01 If desirable, to secure a better fit in the duct, the plug can be wrapped with several layers of cheesecloth or muslin before it is placed in the duct. This should be done whenever wooden plugs are used in clay conduit to seal against water, both to secure a better seal and to make it unnecessary to drive the plugs in so tightly as to risk breaking the duct.

3.02 Wooden plugs placed in ducts terminating on poles in public locations should be protected against displacement by driving a 60 d (6 inch) nail into the pole just above the plug. The nail should not project beyond the outer edge of the plug. When the plug is removed preparatory to installing cable, drive the nail all the way into the pole to seal the hole.

3.03 On masonry walls or in other locations where the use of a nail is impracticable, the hole near the small end of the plug can be used as a point of attachment for a length of construction wire. This wire should be run back through the duct and attached to a cable rack or pulling-in iron in the manhole to prevent removal of the plug. If the far end of the duct does not terminate in a manhole, the plug can be held in place by drilling a 1/8 inch hole near the upper end of the bend or pipe and driving a 6 d (2 inch) nail through it into the plug.