BELL SYSTEM PRACTICES
Outside Plant Construction and Maintenance

SECTION G50.735.2
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AT&TCo Standard

38-Y-B AND C CABLE CLOSURES NON-GASTIGHT CLOSURES
SHEATH PREPARATION AND INSTALLATION

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1. INSTALLATION OF BASE

1.01 Approximately five feet of cable ends will be provided above the ground level. When the cable is looped, approximately six feet will be provided. Carefully remove the earth around the cables until a hole about 18 inches in diameter and 18 inches deep is prepared. Uncover the cables to the extent that their location and path is definitely established to insure against damage.

1.02 Mount the anchor posts to the sides of the base with the 2″ x 3/8″ bolts provided. Place the posts perpendicular to the cable path centered over the hole previously dug. Insert the cable ends through the base and by tapping the ends of the anchor posts alternately with a sledge, drive them into the ground until the post tops are at ground level as illustrated in Fig. 1. If the ground is firm a block of hardwood should be used on the post tops to prevent them from being damaged. It may be necessary to remove the base and drive the anchor posts into the ground separately. The posts should be driven carefully in the final stages so that when the cover is placed, it will be in a straight, vertical position.

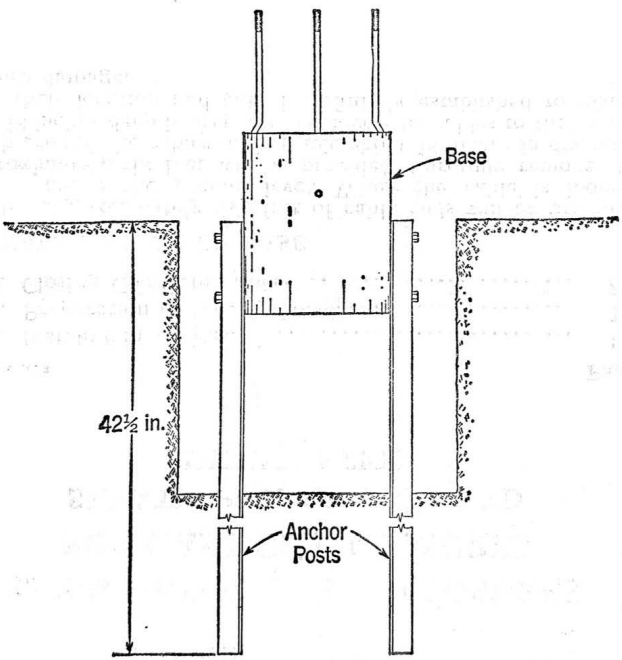

Fig. 1

2. PREPARATION OF SHEATH OPENING

2.01 Temporarily install the base plate on the end of the base rods using the nuts provided. Hold each cable in place near the sheath ground tab to which it will be secured. Place B Paper Tape Markers with the top edge 2-1/4 inches above the base plate as illustrated in Fig. 2.

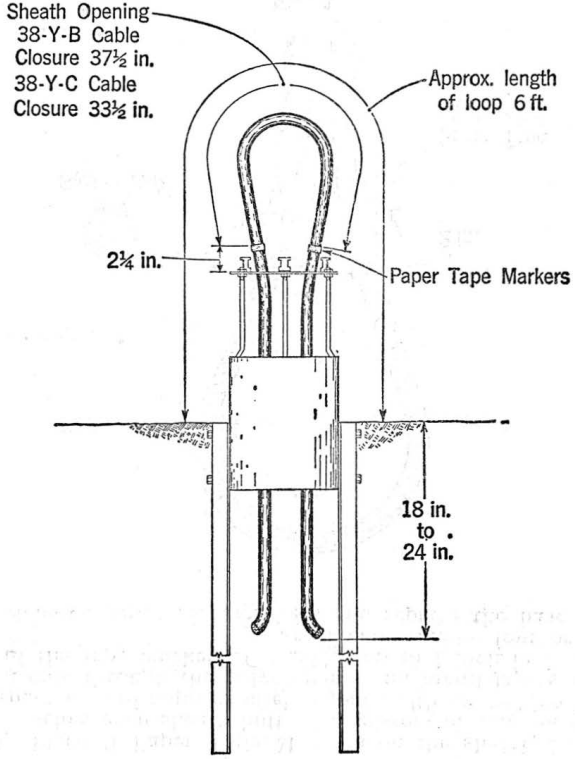

Fig. 2

2.02 Remove the base plate to facilitate preparation of sheath. Remove the sheath between the paper tape markers if cable is looped. For cable ends remove the sheath from the marker to the cable end. Remove paper tape markers.

2.03 Place B Paper Tape Markers on the sheath 2 inches below each sheath butt. Use scissors or tabbing shears to prepare tabs of approximately equal width by making longitudinal cuts through the polyethylene and metal layers to the edge of the tape markers. On cables up to 1 inch in diameter three tabs should be cut. On larger cables make four or more tabs. Remove paper tape markers and replace the base plate.

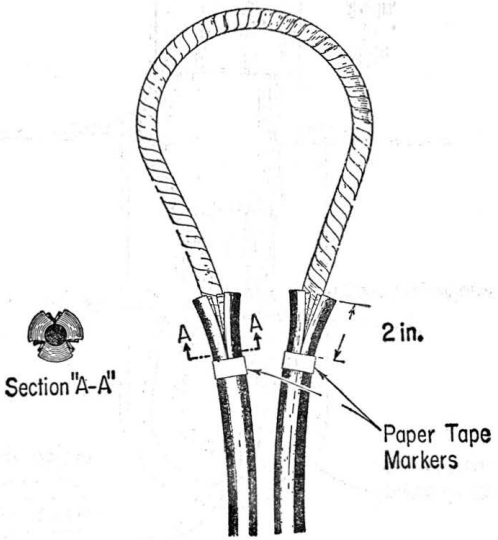

Fig. 3

2.04 Make inner clamps from a strip of bonding ribbon as illustrated in Fig. 4. The diameter of the clamp when closed should be slightly larger than the diameter of the wrapped core to prevent crushing of the conductor insulation when the clamp is tightened.

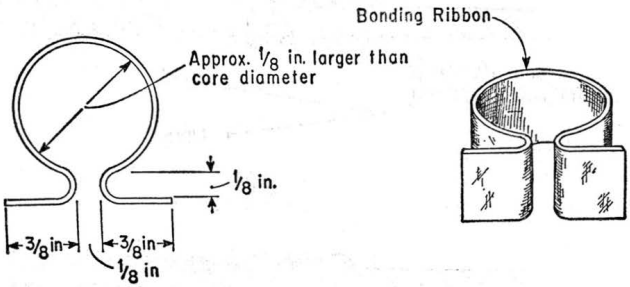

Fig. 4

2.05 Carefully bend the tabs, including the aluminum, away from the core. Do not bend sharply as the aluminum may tear at the base of the tabs. Place a half-lapped layer of D Vinyl Tape over 1 inch of the core wrapper and extending about 1/2 inch under the tabs as illustrated in Fig. 5.

2.06 With the tabs carefully bent away from the core place the inner clamp as illustrated in Fig. 5. Do not cover ears of inner clamp. Tape should cover sheath butt and extend about 1 inch beyond clamp on sheath.

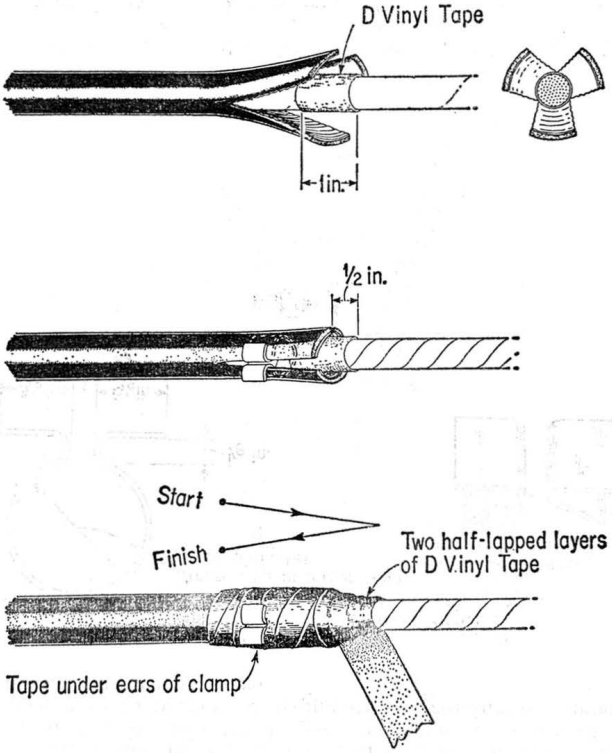

Fig. 5

2.07 Place sealing clamps below the lip of the grounding tabs and around each cable. Position the cable so that the sealing clamps are centered over the inner sheath clamps and the ears of the inner sheath clamps bear fully against the ground tabs. Tighten the sealing clamps securely as shown in Fig. 6.

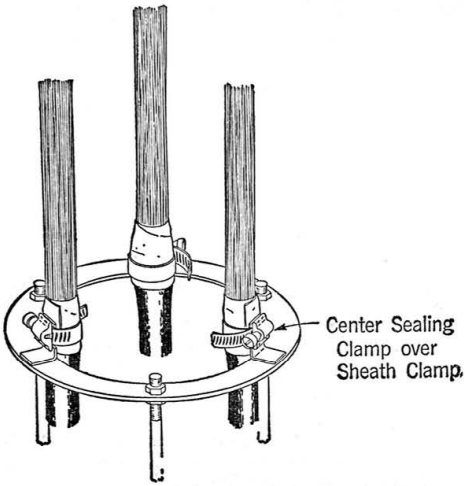

Fig. 6

2.08 Carefully restore the earth outside the base and tamp firmly. Backfill the inside of the base to approximately four (4) inches above the bottom. Fill the base to about one (1) inch from the top with crushed stone. Then complete the splice as outlined in Section G50.735.4.

3. CLOSING COMPLETED SPLICE

3.01 Locate the cover on the supporting studs, turn to locking position and securely tighten hex-headed bolt using the tools provided with the B Wrench Kit. On the B Closure make sure that the pipe cap on top of the cover is tight.