

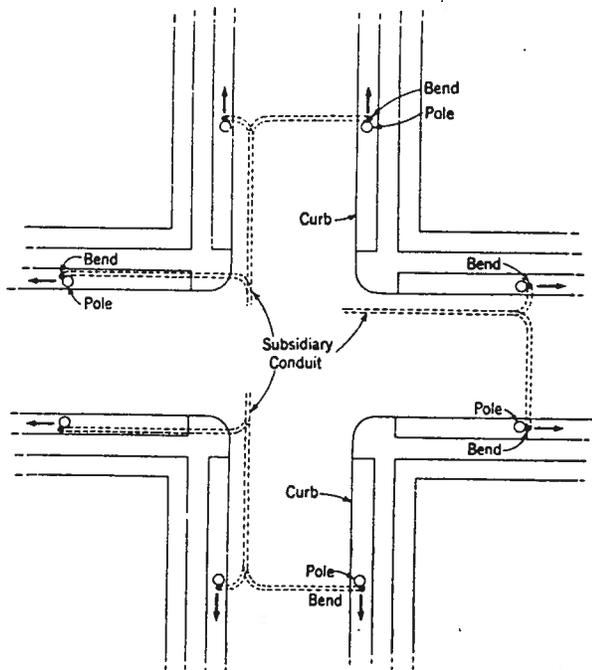
**SUBSIDIARY CONDUIT
 TERMINATING**

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1. LOCATING BENDS

1.01 Terminate subsidiary bends on poles located on streets and highways as shown below. Locate the bend as far around on the field quarter of the pole as practicable so that, if necessary, a second bend can also be placed on the field side. Where a second bend is required, provide at least 3/4-inch clearance between the upper ends of the bends.

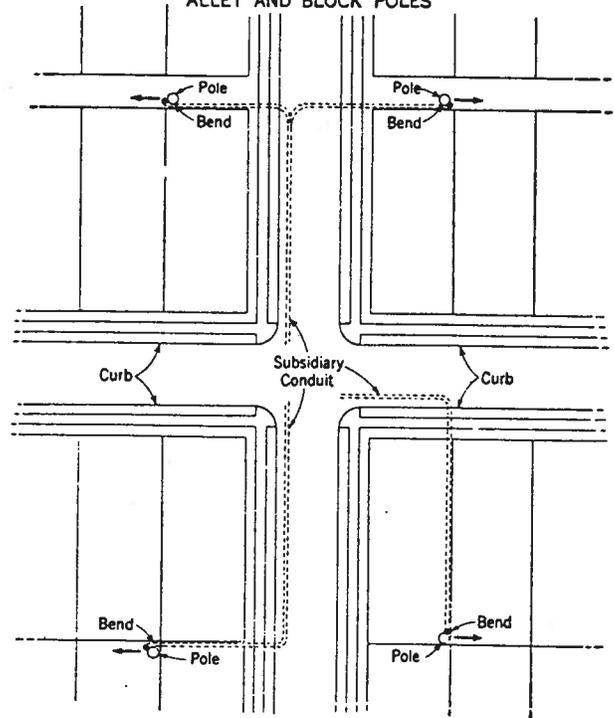
**TERMINATING SUBSIDIARY BENDS ON POLES
 LOCATED ON STREETS AND HIGHWAYS**



Note:
 Heavy arrows indicate direction of Aerial Cable lead.

1.02 Terminate subsidiary bends on poles located in blocks or alleys as shown below:

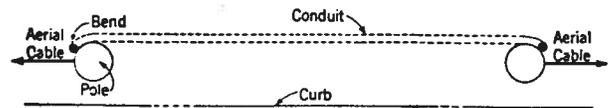
**TERMINATING SUBSIDIARY BENDS ON
 ALLEY AND BLOCK POLES**



Note:
 Heavy arrows indicate direction of Aerial Cable lead.

1.03 Locate bends at an underground dip in an aerial cable as shown below:

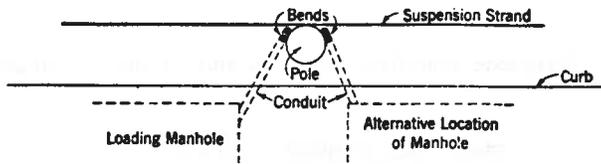
UNDERGROUND DIP IN AERIAL CABLE



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1.04 Locate bends for connections from pole to loading manhole as shown below:

CONNECTION FROM POLE TO LOADING MANHOLE



1.05 The construction described in the foregoing paragraphs is designed to permit the cable to rise to the strand from a point directly below. If a cable crossing the field side of the pole at the level of the strand is not objectionable, the conduit can be terminated on the field quarter of the face of the pole toward which the conduit approaches.

2. TERMINATING DUCTS ON POLES OR BUILDINGS

2.01 Sewer Pipe bends or CI bends may be used to connect the various sizes of subsidiary ducts to the vertical risers on poles or buildings. The use of Fibre or Cement Conduit bends for this purpose should be avoided. The installation of U Cable Guards or steel pipes and associated Cast Iron Caps and Conduit Couplings, as required, will be done in accordance with the instructions of the Underground Cable Placing Practices. The following table lists the types and sizes of bends and associated ducts materials used in terminating various types of subsidiary ducts on poles or buildings.

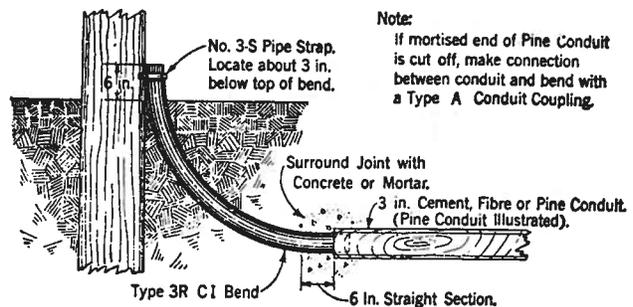
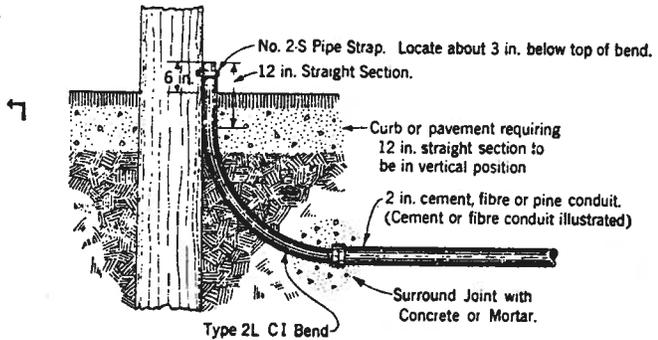
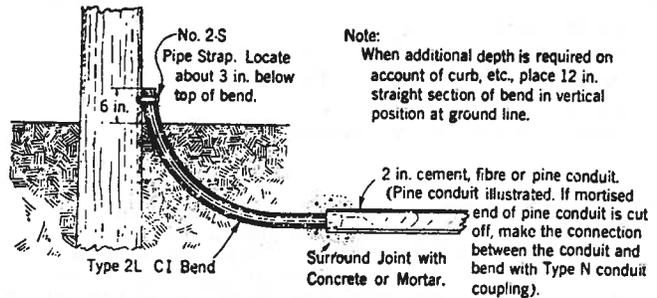
MATERIALS REQUIRED FOR TERMINATING SUBSIDIARY DUCTS TO POLES

Subsidiary Conduit		Type and Size of Bend	Strap for Bend	Type of Conduit Coupling	Strap for Coupling at Ground Line
Size	Type				
2 in.	C Cement C Fibre	2L CI	No. 2 S	None	None
	Pine	2L CI	No. 2 S	* None	None
3 in.	C Cement C Fibre	3R or 3L CI	No. 3 S	None	None
		3 1/2 L CI	No. 3 1/2 S	† None	None
	Pine	3 1/2 L CI	No. 3 1/2 S	A	None
		4 in. 1/8 Sew. P.	None	M	None
3 1/2 in.	C Cement C Fibre	3 1/2 L CI	No. 3 1/2 S	None	None
		3 1/2 L CI	No. 3 1/2 S	† None	None
	Pine	4 in. 1/8 Sew. P.	None	M	None
		4 in. 1/8 Sew. P.	None	D	No. 3 S
3 3/4 in.	Single Clay	3R or 3L CI	No. 3 S	A	None
		3 1/2 L CI	No. 3 1/2 S	U and S	None
	Sewer Pipe	2L CI	No. 2 S	V	None
		3R or 3L CI	No. 3 S	None	None
4 in.	Sewer Pipe	3R or 3L CI	No. 3 S	None	None
		3 in. 1/8 Sew. P.	None	W	No. 3 S
	Sewer Pipe	3R or 3L CI	No. 3 S	R and S	None
		3 1/2 L CI	No. 3 1/2 S	R	None
4 in. 1/8 Sew. P.	None	D	No. 3 S		

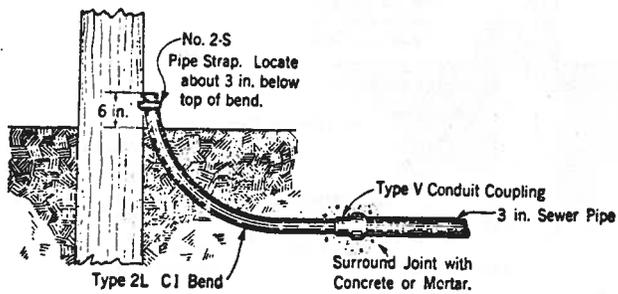
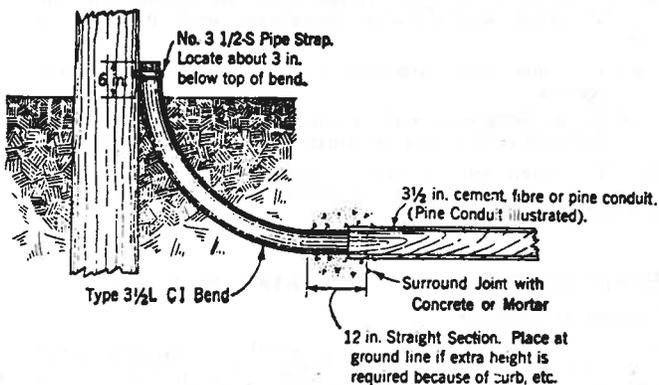
* Use Type N Conduit Coupling if mortised end of Pine Conduit is cut off.
 † Use Type A Conduit Coupling if mortised end of Pine Conduit is cut off.

Note: For attaching CI Bends and Conduit Couplings to masonry walls use Type F Pipe Straps.

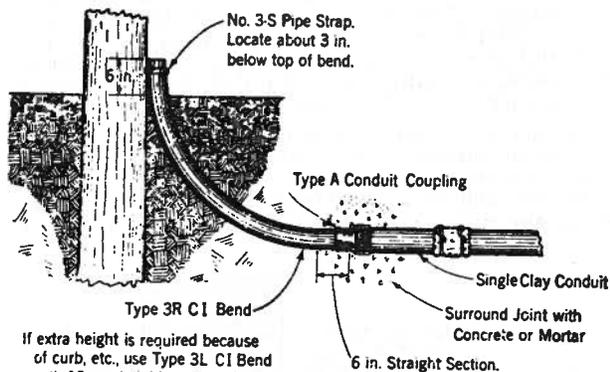
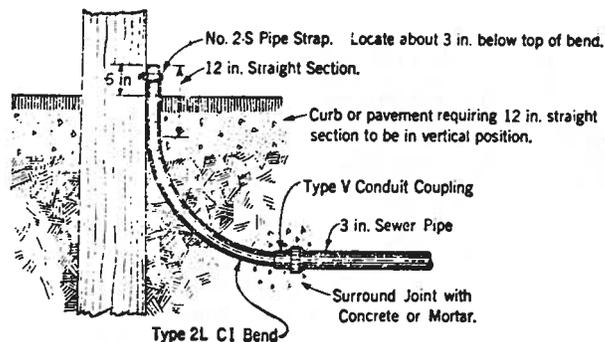
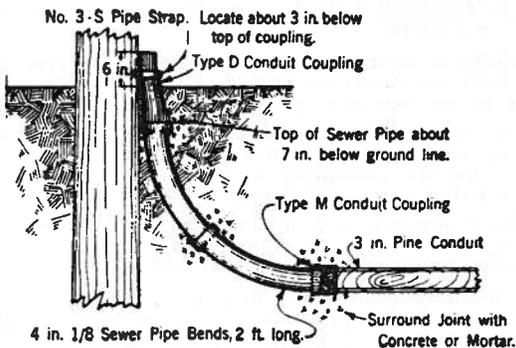
2.02 The following illustrations show installations of terminal bends made in accordance with the foregoing table. The illustrations show the preferred position of the bend or coupling with respect to the ground line or pavement. It is important, however, that a fall in the grade of the subsidiary toward the manhole be provided. If proper drainage toward the manhole cannot be obtained with the arrangements shown, the height of the termination on the pole should be adjusted until the required grade is obtained.



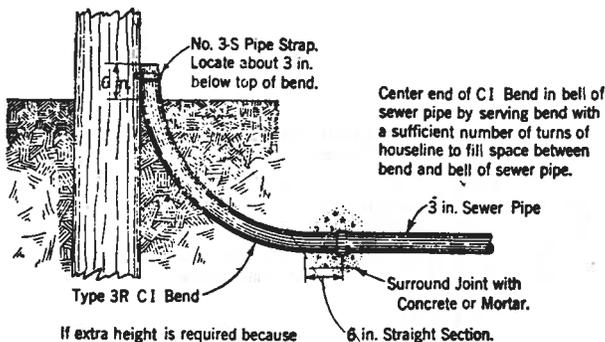
If extra height is required because of curb, etc., use Type 3L CI Bend with 12 in. straight section placed in vertical position at ground line.



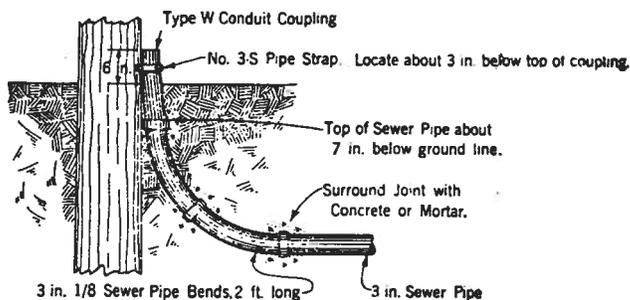
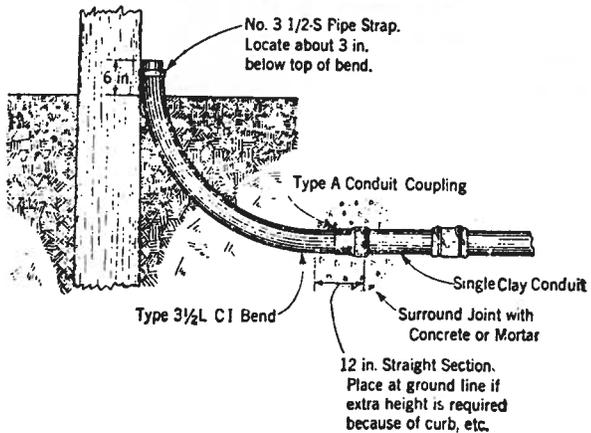
Note:
When additional depth is required on account of curb, etc., place 12 in. straight section of bend in vertical position at ground line.



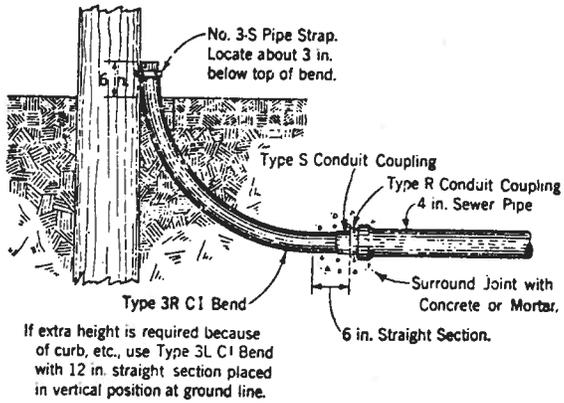
If extra height is required because of curb, etc., use Type 3 L CI Bend with 12 in. straight section placed in vertical position at ground line.



If extra height is required because of curb, etc., use Type 3 L CI Bend with 12 in. straight section placed in vertical position at ground line.



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2.03 Attachment of pipe straps used in connection with CI bends and Conduit Couplings shall be made as follows:

- (a) To poles with 3/8-inch x 4-inch Galvanized Drive Screws.
- (b) To masonry walls with 3/8-inch x 2-inch Hammer Drive Anchors or 1/4-inch x 4-inch Toggle Bolts.

2.04 The open end of the CI bend or Conduit Coupling should be closed in accordance with the provisions of 628-220-200.

