USE: Customer installed portion of riser on utility owned pole.

UNDERGROUND RISER
CUSTOMER INSTALLED
2 1/2", 4" AND 6" CONDUIT

NOTES:
1. Use the approved stand-off brackets & fasteners for pole type. (wood, steel, concrete & fiberglass).
2. If an additional riser is to be placed on the pole, it will be next to the existing riser, including Telco & CATV. See SR-221.
3. Rigid Steel, IMC, and Rigid Aluminum conduit must have a protective tape applied. The tape is to be installed starting 6" above final grade down beyond the (HDPE or PVC) coupling joint. Use 10 mil. protection tape in a half lap installation.

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>1.</td>
<td>Conduit, 2 1/2&quot;, 4&quot; &amp; 6&quot; install conduit riser in the quadrant as specified by TEP. Rigid or intermediate galvanized steel, or rigid. 6&quot; Rigid aluminum for 46kv installation.</td>
</tr>
<tr>
<td>2.</td>
<td>Standoff Bracket to be used on 2 1/2&quot;, 4&quot; and 6&quot; risers. 3/8&quot; x 3&quot; Lag Screws to be used to secure mounting hardware for 2 1/2&quot; risers, 1/2&quot; x 4&quot; to be used on 4&quot; &amp; 6&quot; risers. Concrete poles, use Band-it strapping. Steel poles and fiberglass poles, use Riv-Nut Inserts.</td>
</tr>
<tr>
<td>3.</td>
<td>90° x 48&quot; minimum radius, rigid or intermediate galvanized steel for 6&quot; conduit. Rigid aluminum for 46kv installation.</td>
</tr>
<tr>
<td>4.</td>
<td>90° x 36&quot; minimum radius, rigid or intermediate galvanized steel for 2-1/2&quot; and 4&quot; conduit.</td>
</tr>
</tbody>
</table>
USE: Customer installed portion of riser on utility owned pole.

UNDERGROUND RISER
CUSTOMER INSTALLED
2 1/2'', 4'' AND 6'' CONDUIT

 DETAIL
Standoff Bracket
(Steel/Fiberglass Pole)

 DETAIL
Standoff Bracket
(Steel/Fiberglass Pole)

 DETAIL
Standoff Bracket
(Wood Pole)

 DETAIL
Conduit/pole Strap
(Concrete)

Riv-Nut
Steel/Fiberglass Pole

Concrete Pole

"Band-it" Strapping
(3/4'' width x 5'-0'' Length)

Steel or Fiberglass Pole side wall

Riv-Nut Insert

"Band-it"/UIC strapping
3/4'' Strap
Cat. No. G46099
Buckles
Cat. No. G44099

A.B. Chance (Hubbell) Cat. No.
C4-CSO-7/STK-2.5T 2 1/2'' 4''
C4-CSO-7/STK-4T
C4-CSO-10/STK-6T 6''

Riv-Nut Tooling
Installing tool - L-722-5013
Riv-Nut - AB66900

Aluma-Form Cat. No.
4-CSO-7/STK-2.5T 2 1/2''
4-CSO-7/STK-4T 4'' 6''
4-CSO-10/STK-6T

When mounting to concrete pole, use the conduit strap and the conduit frame with the strapping. The strapping bands must be installed with a Band-it tool, (Cat. No. G40269) This tool is available for rent and the strap is available from: Border States Electric - 294-1414