USE: Entrance Requirements on a Service Pole

Refer to SR-452 for the complete Approved Metering and Service Equipment List

POLES THAT ARE GREATER THAN 20 FT. IN LENGTH, CONSULT DESIGN SERVICES FOR PROPER SETTING DEPTH. (SEE NOTE 1)

CUSTOMER OWNED POLE

17" MINIMUM CIRCUMFERENCE

CUSTOMER OWNED POLE

PLAN VIEW

NOTE 1
NOTE 2
NOTE 3
NOTE 4
NOTE 5
NOTE 6
NOTE 7
NOTE 8
NOTE 9

SERVICE PROVIDER POLE

SERVICE PROVIDER POLE

OH SERVICE DROP

3/4" DIA. HOLE

4" x 6" MINIMUM

CIRCUMFERENCE

3/4" DIA. HOLE

3/4" DIA. HOLE

12

12

12

12
NOTES:
1. The service pole shall be a treated wood pole with a minimum circumference of seventeen (17") inches at the top, (Class 6) and length specified by Design, Service Requirements & Service Delivery Department. Setting depth to be a minimum of at least five (5'-0") feet. (A pole to be used for permanent service shall be treated to resist rot and weathering.) The pole shall be tall enough to give the service drop wires proper clearance above final grade as specified in Note 10. For poles extending more than 15 feet above ground, consult TEP's Design, Service Requirements & Service Delivery Department for pole specifications and setting depths.

2. The conduit or cable weatherhead shall be a minimum of one (1) foot below the top of the pole. Weatherhead is to face in the same direction of Service Provider pole to be served from.
   A. TEP will furnish and install the deadend clevis.
   B. For UES, the customer will provide and install the deadend clevis.
3. A meter board 10" x 22" x 3/4", or larger, treated for outdoor application, shall be fastened securely to the pole for mounting meter sockets, switches, and any other devices necessary for adequate metering and protection.
4. The customer will provide a service disconnecting device which meets all requirements of the current National Electric Code. The operation of the device shall be such that the neutral (grounded conductor) is not broken when the device is opened. The operating handle or member shall be capable of being sealed either open or closed.
5. The service disconnect shall be effectively grounded in compliance with the applicable requirements of local governmental codes, or National Electrical Code requirements in the absence of local codes.
6. Meters and instrument transformers will be supplied by Service Provider. Meter sockets are to be purchased, installed and maintained by the customer per SR-400 Series.
7. Entrance conductors shall extend at least 24 inches from the conduit or cable weatherhead. The neutral conductor shall be identified with solid white tape for 120-240V and grey tape for 480V from the weatherhead for six (6) inches. When grouping with multiple risers, the entrance conductors shall extend at least 48 inches to allow for permanent connections.
8. All meter sockets shall be mounted between 3'-6" minimum and 6'-3" maximum from final grade to the center of the meter.
9. The service pole location will be determined by mutual agreement between the customer and TEP's Design, Service Requirements & Service Delivery Department.
10. The point of attachment to the customer's service pole must be sufficiently high to provide the following minimum ground clearances to the Company's Service drop cable. (0-750V)
   A. Over parking lots, service areas, public streets, alleys or driveways open to the public, or areas reasonably expected to be subject to equestrian activity - 18 feet.
   B. Over private residential driveways and spaces or ways accessible to pedestrians only - 15 feet. May be reduced to 12 feet for supply conductors limited to 300V to ground and located more than 25 feet measured in any direction from a swimming pool or diving platform.
11. Temporary service duration is two (2) years or less.