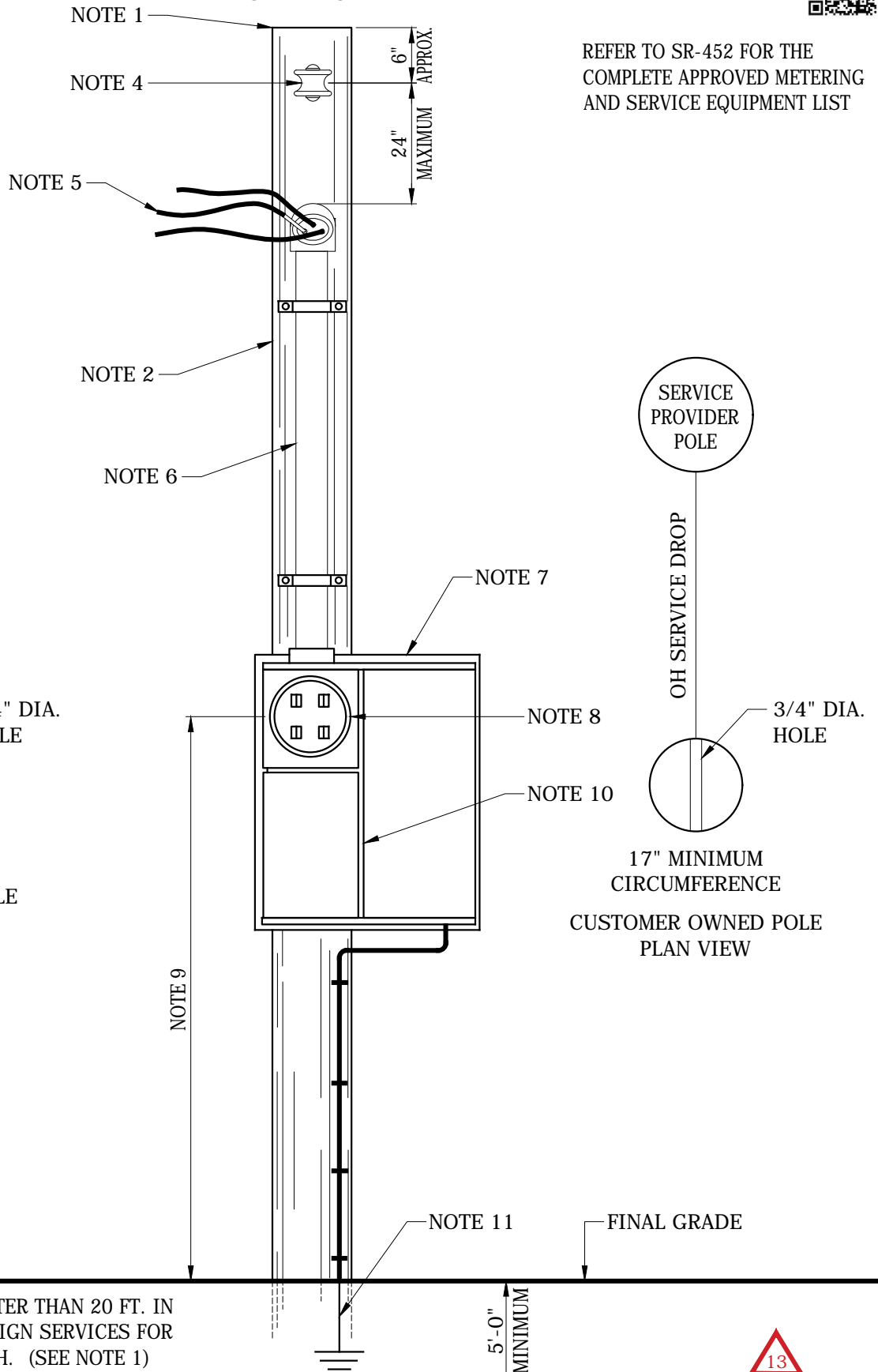


USE: ENTRANCE REQUIREMENTS  
ON A SERVICE POLE

### SERVICE ENTRANCE ON A POLE

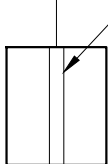


REFER TO SR-452 FOR THE  
COMPLETE APPROVED METERING  
AND SERVICE EQUIPMENT LIST



SERVICE  
PROVIDER  
POLE

OH SERVICE DROP

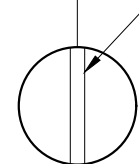


3/4" DIA.  
HOLE

4" x 6" MINIMUM  
CUSTOMER OWNED POLE  
PLAN VIEW

SERVICE  
PROVIDER  
POLE

OH SERVICE DROP



3/4" DIA.  
HOLE

17" MINIMUM  
CIRCUMFERENCE  
CUSTOMER OWNED POLE  
PLAN VIEW

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





## SERVICE ENTRANCE ON A POLE



**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 Services. 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 3. For poles extending more than 15 feet above ground, consult Design Services for pole specifications and setting depths.
2. The service pole location will be determined by mutual agreement between the customer and Design Services.
3. 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.
4. 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.
5. 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.
6. The smallest diameter conduit for entrance risers shall be 2 inches.
7. 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.
8. 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.
9. All meter sockets shall be mounted between 3'-6" minimum and 6'-3" maximum from final grade to the center of the meter.
10. 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.
11. 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.
12. Temporary service duration is two (2) years or less.



 Tucson Electric Power		INITIATED BY	SC	REVISION NO.	8	SR-307 Pg. 2 of 2
		ESR COMM.	3-78	ESR COMM.	1-20	
				EFFECTIVE DATE	1-20	