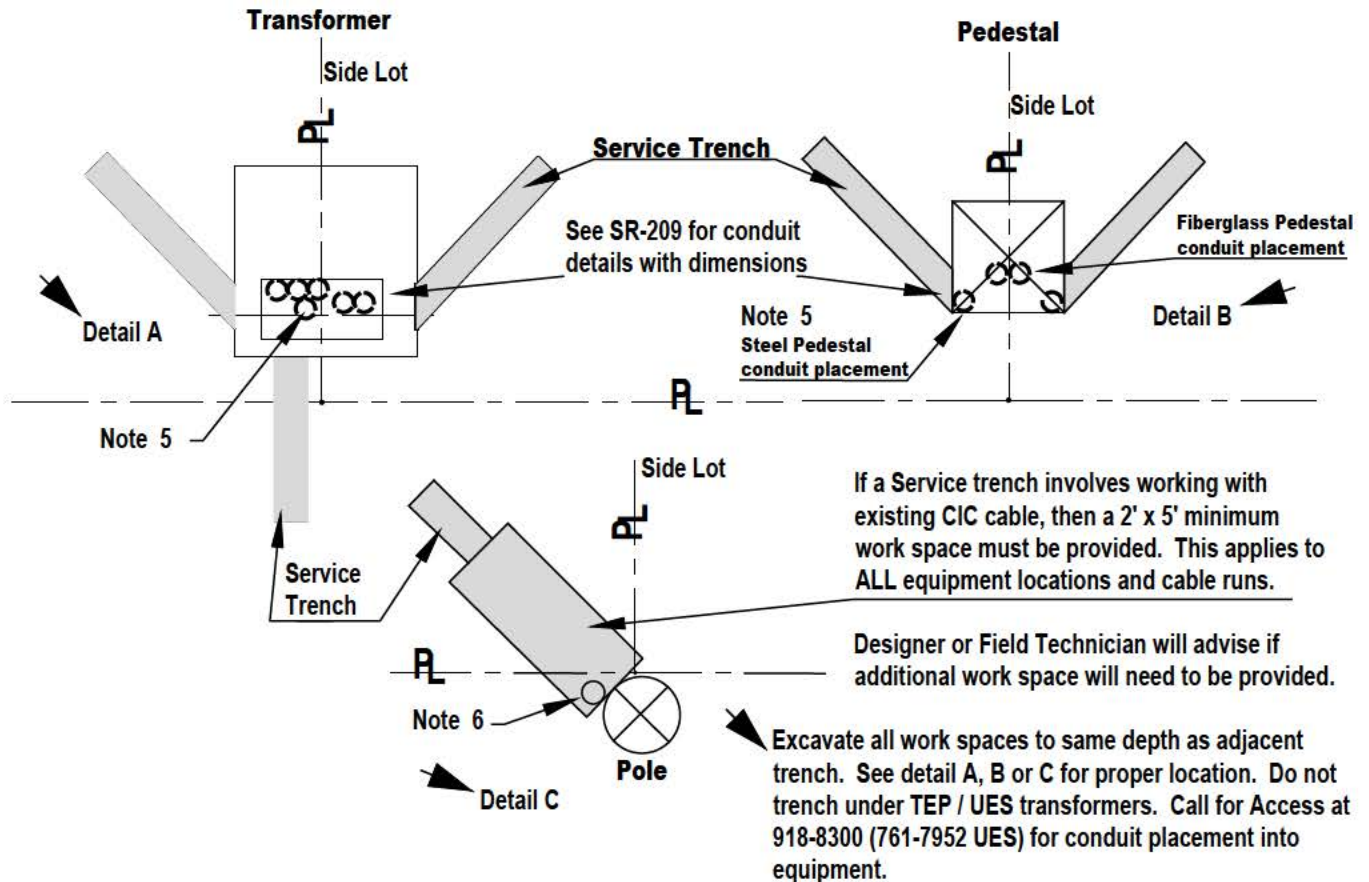
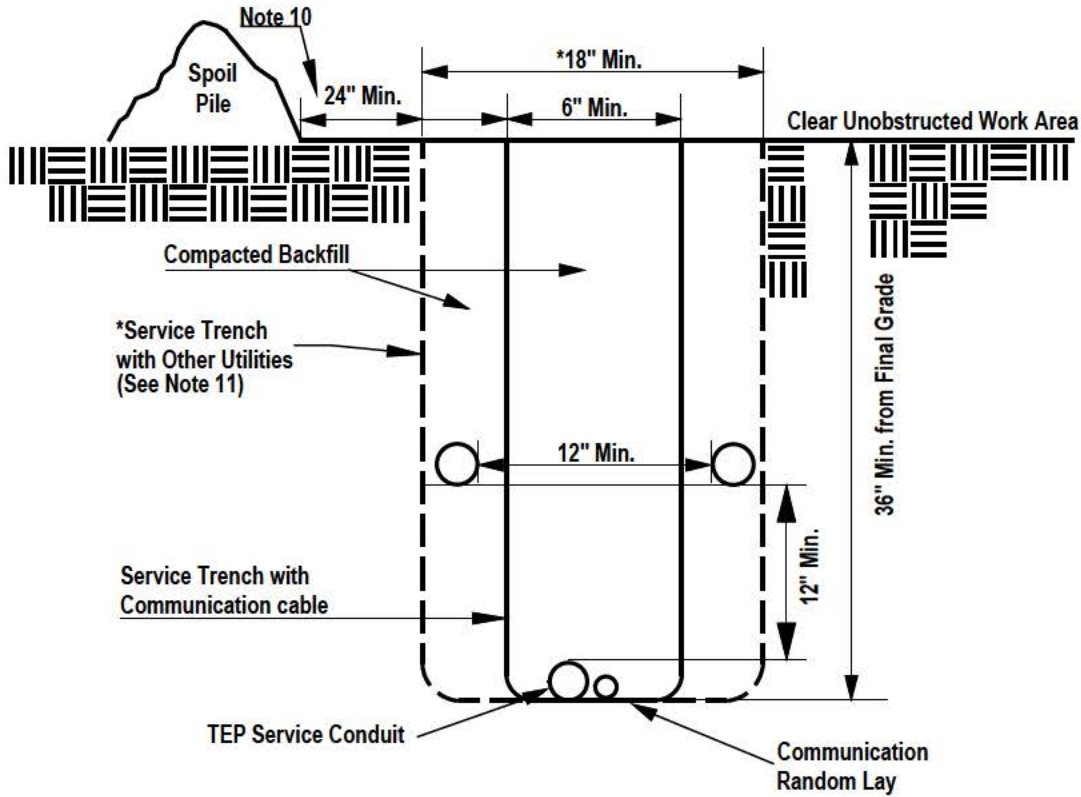


# TRENCHING, SERVICE (SINGLE-PHASE)



INITIATED BY	SC
STANDARDS COMM.	8-76

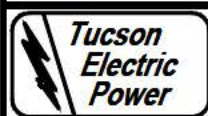
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EFFECTIVE DATE	4-07

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## TRENCHING, SERVICE (SINGLE-PHASE)

**NOTES:**

1. For location of existing buried electric facilities, call Blue Stake 1-800-782-5348. Permit number for excavation within the R.O.W. will be provided to TEP prior to starting excavation.
2. Any change in location of work space or trench must be approved by the Design Department.
3. Call TEP @ 918-8300 or UES @ 761-7972 to schedule an access appointment when needing to install a conduit sweep into existing equipment in order to complete the service conduit installation. Please note that a 5 day advance scheduling notice is required.
4. The Service trench recommended width is to be 6" minimum with communication cable and 18" minimum with other utilities. The minimum depth is 36" with a 12.6' (PVC) or 4' (Wave-Rib or Dura · Line) minimum horizontal radius.
5. When installing a conduit into existing underground equipment, it must be field located in the transformer pad opening and must have a 90° sweep with a 36" radius. The trench depth is to be 36" minimum, and horizontal radius shall be 12'-6". All ducts to be 1" above the existing transformer pad or 5" above final grade where the transformer pad will be installed. The trench width is to be 12" minimum. If installing the duct into energized equipment, an access crew will be required.
6. See SR-220 if a 2.5" or 4" riser is required at a pole.
7. In all 10' strip easements, transformers and pedestals are to be located within the 4' of the easement adjacent to property.
8. Where trench cannot be left open, see SR-210 for Requirements for Installation of Sleeve(s).
9. The service trench must be backfilled completely prior to the service cable installation by TEP.
10. The excavation spoil pile must be placed a minimum 2' away from the edge of the trench. This 2' area shall be level and free of debris to permit safe footing during inspection.
11. A joint Service trench with other utilities is acceptable with the exception of sewer. Water and gas lines shall maintain a 1' separation (horizontal or vertical / horizontal) other than directly above the electric facility (see SR-312 pg. 1). Other utilities are not permitted to pass underneath any TEP equipment.
12. If only a service sweep / stub is being installed into TEP/ UES equipment, it shall be per SR-209 & SR-218. An access crew appointment is required for the conduit sweep installation. (TEP 918-8300 and UES 761-7972)



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		EFFECTIVE DATE	8-12	