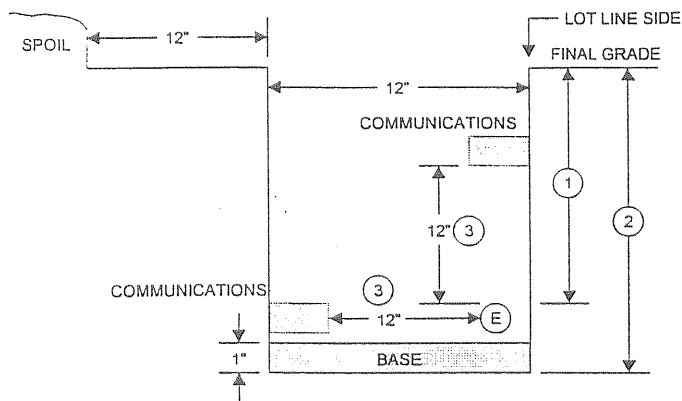


TYPICAL RESIDENTIAL/COMMERCIAL UNDERGROUND CONVERSION TRENCH SPECIFICATION
(SAN DIEGO COUNTY: NOT APPLICABLE IN ORANGE COUNTY)
600 VOLTS OR LESS
ELECTRIC & COMMUNICATIONS ONLY

The trench in which your underground electric service will be installed is your responsibility. Your trench must conform to the minimum standards which appear below.



1. 24" cover on private property. 30" cover in parkway/street areas.
2. Will vary in over-all depth and width depending on types and sizes of utility installation.
3. 12" minimum width for joint utilities (Electric, Telephone & CATV).

Call SDG&E before 2:00pm to arrange for trench inspection. Have your project number available.

- A. For electric a 1" base is required to prevent damage from rocks, sages or pockets. Imported material consisting of natural sand or manufactured sand, existing native material, or combinations may be used for base and shading material provided it complies with SDG&E standards and the compaction requirements of governmental agencies (permitting agencies). SDG&E standards specify that the shading material must have a mixture of particle sizes all smaller than 3/8". A minimum cover of 6 inches of compacted shading material (6 inches after compaction) shall be installed above the electric conduits if the backfill material contains no rocks or clods over 6 inches in diameter. A minimum cover of 12 inches of compacted shading material will be required if in the opinion of the inspector there is an excessive amount of rocks and clods in the backfill or the size exceeds 6 inches in diameter. The shading material must be installed before the trench is backfilled to prevent damage from rocks, etc. The backfill material shall meet the requirements of all applicable codes, ordinances, and SDG&E standards and be free of debris and organic matter. The coarse material shall be well distributed throughout the finer material. All base, shading and backfill must be approved by an SDG&E inspector.
- B. After your trench is open and you have installed the pull can, conduit and conduit sweep, call our Construction Department for inspection at the number indicated on your meter and service location form.
- C. On approval of SDG&E inspector and after you have backfilled and compacted the trench, please call SDG&E's Construction Department for a final inspection of your pull can and mandrelling of your service conduit. Your service will be energized after SDG&E inspector has approved the installation and receipt of City/County inspection clearance.
- D. Please contact the SDG&E Inspector Prior to Trenching to an existing underground facility or pole for instructions. This could avoid delays.
- E. Electric service only (private property). A 6 inch trench may be dug for 2 inch conduit requiring a minimum 24 inches of cover over the conduit. A 12 inch width is required were conduit larger than 2 inch is installed.
- F. No water or sewer pipes are allowed in the service trench. A minimum 12 inch horizontal separation of undisturbed soil is required between your service trench and any water, sewer or drain pipe. A minimum 6 inch vertical separation is required for crossings.
- G. Coordination for use of the trench by another utility such as the telephone and cable television if desired will be your responsibility.
- H. TELCO and CATV may be installed at the same level as electric in the trench. A 12 inch separation must be maintained from TELCO and 6" for CATV.