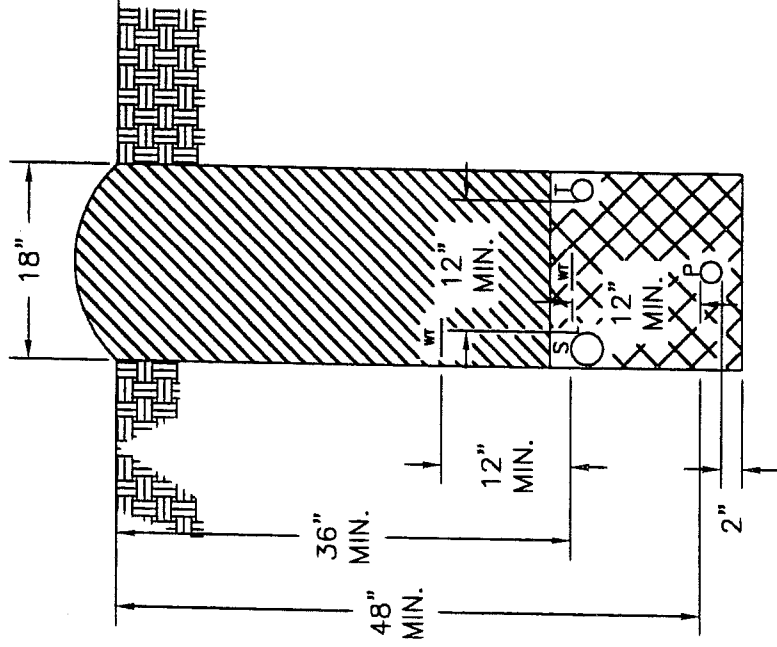
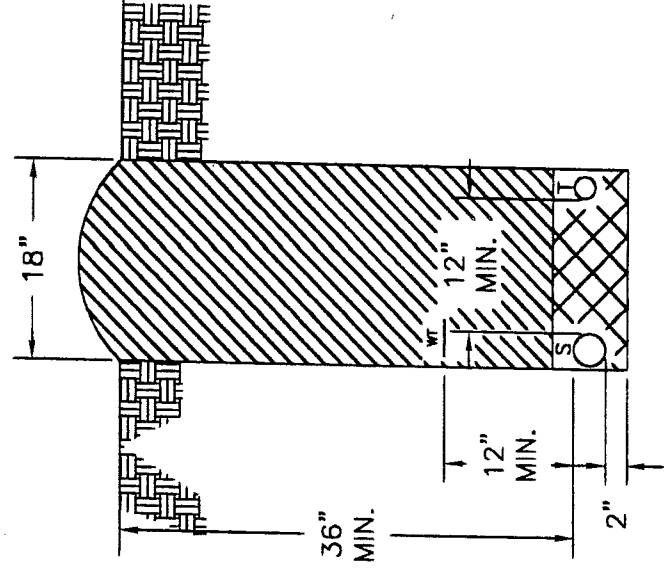


JOINT DITCH
PRIMARY & SECONDARY



SERVICE
TRENCH ONLY



BEDDING SAND OR CLEAN SOIL



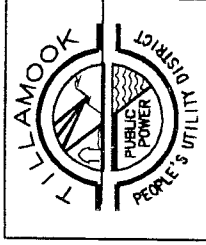
COMPACTED BACKFILL UNLESS
OTHERWISE SPECIFIED

P = PRIMARY POWER
S = SECONDARY/SERVICE POWER
T = TELEPHONE OR TELEVISION
WT = RED WARNING TAPE
(Available at T.P.U.D. office)

NOTE:

1. The path of the trench or conduit layout for all line extensions must be approved by the T.P.U.D.'s engineering department.
2. Conduit cement: All weather quick-set cement (Carlon VC-998) or equivalent is required.
3. Each primary, secondary or service conduit is to be buried with a $\frac{1}{4}$ " poly pull rope or equivalent installed within it, for pulling in the electrical service conductor.
4. Continuous conduit runs shall not have more than a total of 270° in angle between connection to T.P.U.D.'s system and the customer facility.
5. Joint trenches with telephone and television cables are only allowed if they conform to the placement shown in the trench designs shown above.
6. All conduits will penetrate 4" into vault, and will be grouted.
7. Conduit depths are minimum required. Changes to conduit in trench to be approved by engineering department or project inspector.
8. All sweeps to have a minimum radius of 30".
9. Water, sewer, or gas is not permitted in the same trench with power. Any exception must be approved by the T.P.U.D.'s engineering department.

FIGURE 5-22



TRENCHING
REQUIREMENTS

DATE 11-18-03
DWN. BY S. J. J. J.
DWS NAME S. J. J. J.
FIGURE 5-22

TILLAMOOK P.U.D.
OREGON 24 TILLAMOOK