



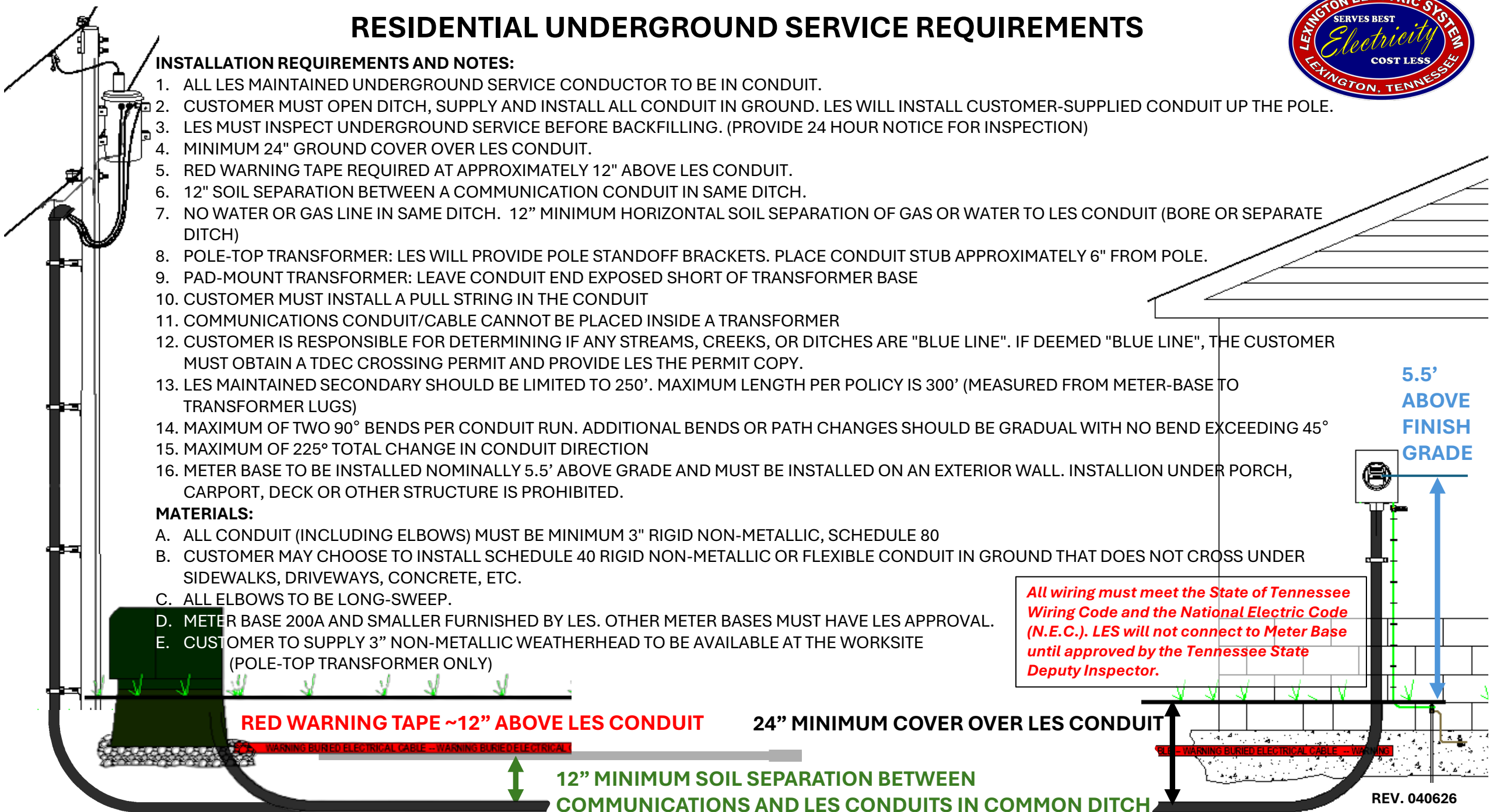
RESIDENTIAL UNDERGROUND SERVICE REQUIREMENTS

INSTALLATION REQUIREMENTS AND NOTES:

1. ALL LES MAINTAINED UNDERGROUND SERVICE CONDUCTOR TO BE IN CONDUIT.
2. CUSTOMER MUST OPEN DITCH, SUPPLY AND INSTALL ALL CONDUIT IN GROUND. LES WILL INSTALL CUSTOMER-SUPPLIED CONDUIT UP THE POLE.
3. LES MUST INSPECT UNDERGROUND SERVICE BEFORE BACKFILLING. (PROVIDE 24 HOUR NOTICE FOR INSPECTION)
4. MINIMUM 24" GROUND COVER OVER LES CONDUIT.
5. RED WARNING TAPE REQUIRED AT APPROXIMATELY 12" ABOVE LES CONDUIT.
6. 12" SOIL SEPARATION BETWEEN A COMMUNICATIONS CONDUIT IN SAME DITCH.
7. NO WATER OR GAS LINE IN SAME DITCH. 12" MINIMUM HORIZONTAL SOIL SEPARATION OF GAS OR WATER TO LES CONDUIT (BORE OR SEPARATE DITCH)
8. POLE-TOP TRANSFORMER: LES WILL PROVIDE POLE STANDOFF BRACKETS. PLACE CONDUIT STUB APPROXIMATELY 6" FROM POLE.
9. PAD-MOUNT TRANSFORMER: LEAVE CONDUIT END EXPOSED SHORT OF TRANSFORMER BASE
10. CUSTOMER MUST INSTALL A PULL STRING IN THE CONDUIT
11. COMMUNICATIONS CONDUIT/CABLE CANNOT BE PLACED INSIDE A TRANSFORMER
12. CUSTOMER IS RESPONSIBLE FOR DETERMINING IF ANY STREAMS, CREEKS, OR DITCHES ARE "BLUE LINE". IF DEEMED "BLUE LINE", THE CUSTOMER MUST OBTAIN A TDEC CROSSING PERMIT AND PROVIDE LES THE PERMIT COPY.
13. LES MAINTAINED SECONDARY SHOULD BE LIMITED TO 250'. MAXIMUM LENGTH PER POLICY IS 300' (MEASURED FROM METER-BASE TO TRANSFORMER LUGS)
14. MAXIMUM OF TWO 90° BENDS PER CONDUIT RUN. ADDITIONAL BENDS OR PATH CHANGES SHOULD BE GRADUAL WITH NO BEND EXCEEDING 45°
15. MAXIMUM OF 225° TOTAL CHANGE IN CONDUIT DIRECTION
16. METER BASE TO BE INSTALLED NOMINALLY 5.5' ABOVE GRADE AND MUST BE INSTALLED ON AN EXTERIOR WALL. INSTALLION UNDER PORCH, CARPORT, DECK OR OTHER STRUCTURE IS PROHIBITED.

MATERIALS:

- A. ALL CONDUIT (INCLUDING ELBOWS) MUST BE MINIMUM 3" RIGID NON-METALLIC, SCHEDULE 80
- B. CUSTOMER MAY CHOOSE TO INSTALL SCHEDULE 40 RIGID NON-METALLIC OR FLEXIBLE CONDUIT IN GROUND THAT DOES NOT CROSS UNDER SIDEWALKS, DRIVEWAYS, CONCRETE, ETC.
- C. ALL ELBOWS TO BE LONG-SWEEP.
- D. METER BASE 200A AND SMALLER FURNISHED BY LES. OTHER METER BASES MUST HAVE LES APPROVAL.
- E. CUSTOMER TO SUPPLY 3" NON-METALLIC WEATHERHEAD TO BE AVAILABLE AT THE WORKSITE (POLE-TOP TRANSFORMER ONLY)



RED WARNING TAPE ~12" ABOVE LES CONDUIT

24" MINIMUM COVER OVER LES CONDUIT

12" MINIMUM SOIL SEPARATION BETWEEN COMMUNICATIONS AND LES CONDUITS IN COMMON DITCH

5.5' ABOVE FINISH GRADE

All wiring must meet the State of Tennessee Wiring Code and the National Electric Code (N.E.C.). LES will not connect to Meter Base until approved by the Tennessee State Deputy Inspector.