

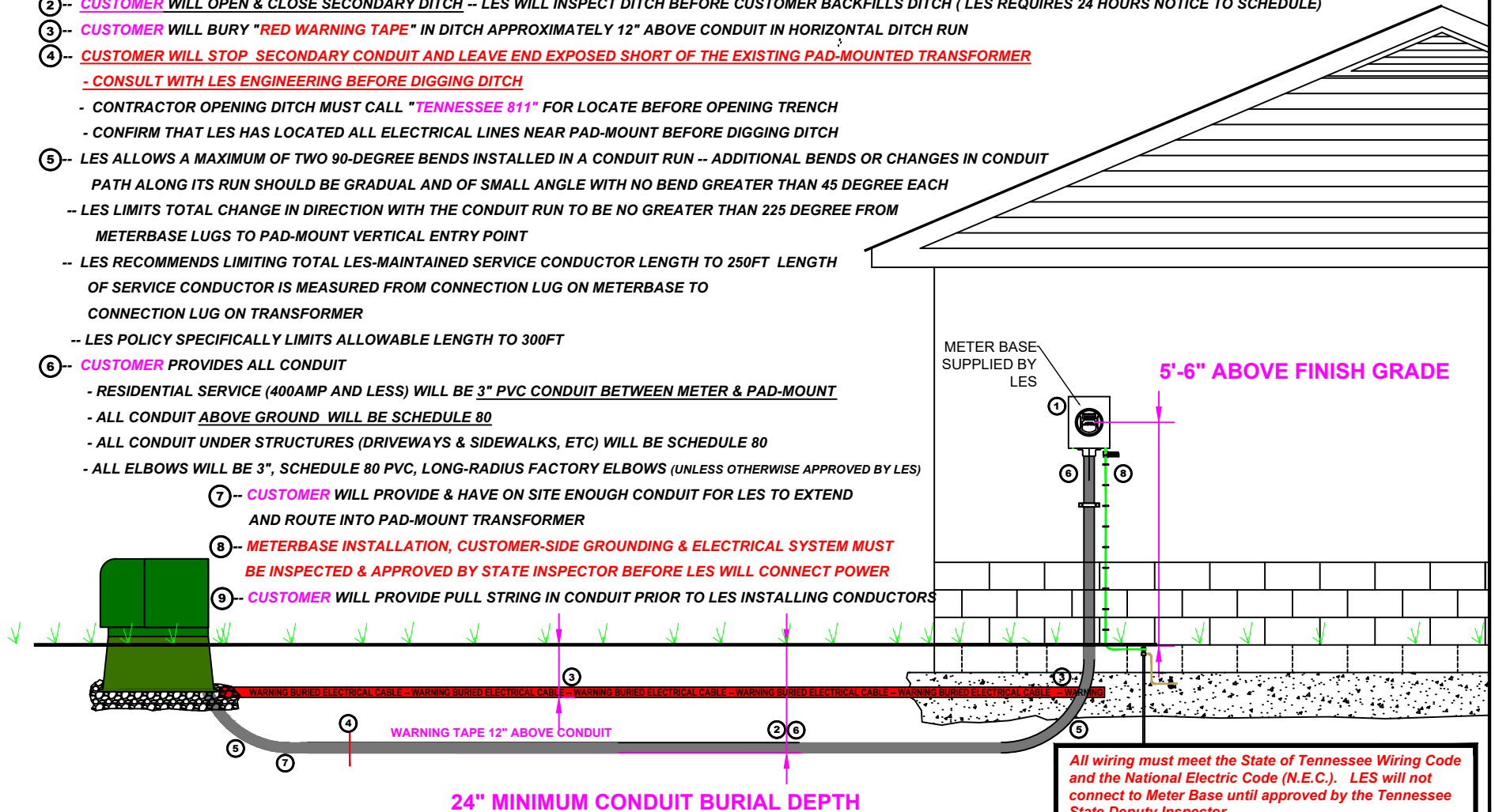
LEXINGTON ELECTRIC SYSTEM

RESIDENTIAL UNDERGROUND SERVICE

GENERAL ARRANGEMENT - PAD-MOUNTED TRANSFORMER

:: NOTES ::

- ①-- METER BASE INSTALLED NOMINALLY 5'-6" ABOVE FINAL GRADE -- METER BASE IS SUPPLIED (OR OTHERWISE MUST BE APPROVED) BY LES
- ①-- METERBASE CAN NOT BE INSTALLED UNDER PORCH, CARPORT, DECK, OR OTHER PHYSICAL STRUCTURE -- INSTALL ON EXTERIOR WALL ONLY
- ①-- METER BASE CAN BE PICKED UP AT LES WAREHOUSE IN LEXINGTON BY APPOINTMENT (PROOF OF STATE PERMIT REQUIRED)
- ②-- ALL UG SERVICE CONDUCTOR (LES MAINTAINED) WILL BE INSTALLED IN CONDUIT
- ②-- **CUSTOMER** WILL OPEN & CLOSE SECONDARY DITCH -- LES WILL INSPECT DITCH BEFORE CUSTOMER BACKFILLS DITCH (LES REQUIRES 24 HOURS NOTICE TO SCHEDULE)
- ③-- **CUSTOMER** WILL BURY "RED WARNING TAPE" IN DITCH APPROXIMATELY 12" ABOVE CONDUIT IN HORIZONTAL DITCH RUN
- ④-- **CUSTOMER WILL STOP SECONDARY CONDUIT AND LEAVE END EXPOSED SHORT OF THE EXISTING PAD-MOUNTED TRANSFORMER**
- CONSULT WITH LES ENGINEERING BEFORE DIGGING DITCH
- CONTRACTOR OPENING DITCH MUST CALL "TENNESSEE 811" FOR LOCATE BEFORE OPENING TRENCH
- CONFIRM THAT LES HAS LOCATED ALL ELECTRICAL LINES NEAR PAD-MOUNT BEFORE DIGGING DITCH
- ⑤-- LES ALLOWS A MAXIMUM OF TWO 90-DEGREE BENDS INSTALLED IN A CONDUIT RUN -- ADDITIONAL BENDS OR CHANGES IN CONDUIT PATH ALONG ITS RUN SHOULD BE GRADUAL AND OF SMALL ANGLE WITH NO BEND GREATER THAN 45 DEGREE EACH
 -- LES LIMITS TOTAL CHANGE IN DIRECTION WITH THE CONDUIT RUN TO BE NO GREATER THAN 225 DEGREE FROM METERBASE LUGS TO PAD-MOUNT VERTICAL ENTRY POINT
 -- LES RECOMMENDS LIMITING TOTAL LES-MAINTAINED SERVICE CONDUCTOR LENGTH TO 250FT LENGTH OF SERVICE CONDUCTOR IS MEASURED FROM CONNECTION LUG ON METERBASE TO CONNECTION LUG ON TRANSFORMER
 -- LES POLICY SPECIFICALLY LIMITS ALLOWABLE LENGTH TO 300FT
- ⑥-- **CUSTOMER** PROVIDES ALL CONDUIT
 - RESIDENTIAL SERVICE (400AMP AND LESS) WILL BE 3" PVC CONDUIT BETWEEN METER & PAD-MOUNT
 - ALL CONDUIT ABOVE GROUND WILL BE SCHEDULE 80
 - ALL CONDUIT UNDER STRUCTURES (DRIVEWAYS & SIDEWALKS, ETC) WILL BE SCHEDULE 80
 - ALL ELBOWS WILL BE 3", SCHEDULE 80 PVC, LONG-RADIUS FACTORY ELBOWS (UNLESS OTHERWISE APPROVED BY LES)
- ⑦-- **CUSTOMER** WILL PROVIDE & HAVE ON SITE ENOUGH CONDUIT FOR LES TO EXTEND AND ROUTE INTO PAD-MOUNT TRANSFORMER
- ⑧-- **METERBASE INSTALLATION, CUSTOMER-SIDE GROUNDING & ELECTRICAL SYSTEM MUST BE INSPECTED & APPROVED BY STATE INSPECTOR BEFORE LES WILL CONNECT POWER**
- ⑨-- **CUSTOMER** WILL PROVIDE PULL STRING IN CONDUIT PRIOR TO LES INSTALLING CONDUCTORS



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.