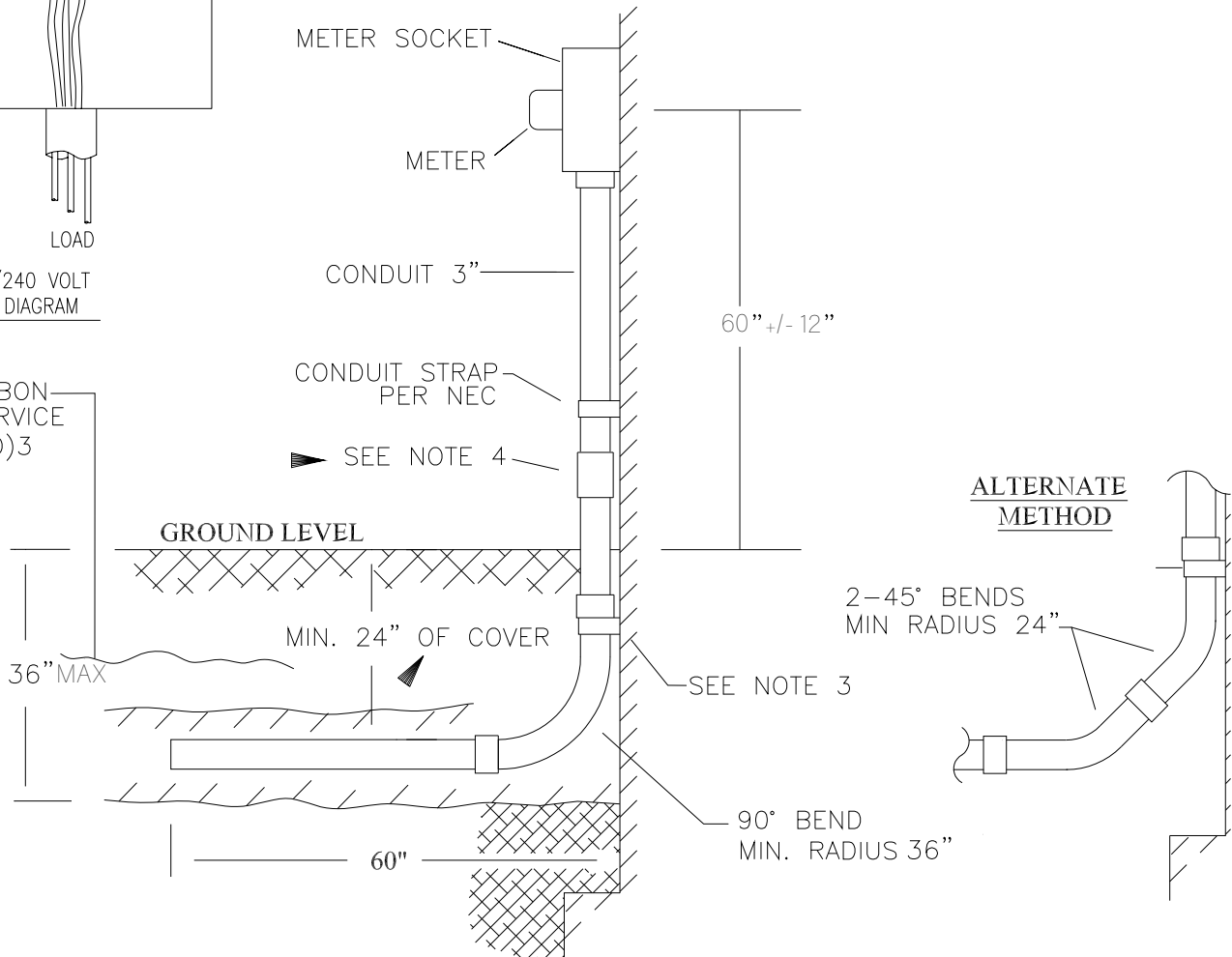


3-WIRE 120/240 VOLT CONNECTION DIAGRAM

WARNING RIBBON
12" ABOVE SERVICE
NEC 300.5(D)3



1. METER SOCKET MAY BE CONNECTED TO AN EXTERNAL GROUND ROD IF REQUIRED BY LOCAL INSPECTION AUTHORITY.
2. CUSTOMER TO SUPPLY AND INSTALL SERVICE LATERAL METER RISER CONDUIT AS SHOWN ABOVE (BOND ALL JOINTS).
3. CONDUIT STRAP-LOCATE HEAVY GAUGE 2 HOLE GALVANIZED STRAP JUST BELOW BEND COUPLING. ANCHOR SECURELY INTO MASONRY USING 3/8" MIN. DIAMETER FASTENERS.
- ▶ 4. CUSTOMER SHALL PROVIDE GROUND MOVEMENT PROTECTION PER NEC 300.5(J) TO PREVENT DAMAGE DUE TO SETTLEMENT OR FROST HEAVES. THE COMPANY RECOMMENDS THE USE OF A SLIP JOINT CONDUIT PRODUCT SUCH AS RIZZCON SAFETY SLIP.
5. THE BOTTOM OF THE TRENCH SHALL BE RELATIVELY SMOOTH, UNDISTURBED EARTH, WELL-TAMPED EARTH, OR SAND, WHICH IS FREE OF ROCK, CINDERS, OR SHARP OBJECTS. CUSTOMERS MUST REQUEST TRENCH INSPECTION PRIOR TO BACKFILLING WITH 24 HOURS NOTICE TO SREC.
6. THE CUSTOMER CONTRACTOR SHALL BACKFILL AROUND ALL CONDUITS WITH SIX (6) INCHES OF APPROVED BACKFILL. APPROVED BACKFILL SHALL BE GRADED SAND, STONE DUST, LIMESTONE DUST, ROCK-FREE (1/4 OR LESS DIAMETER STONES) EARTH, OR TOPSOIL. THE REMAINDER OF THE TRENCH SHALL BE BACKFILLED WITH NATIVE SOIL AND NOT CONTAIN LARGE ROCKS (GREATER THAN 4 INCH) OR ROCKS WITH SHARP EDGES.

SUSSEX RURAL ELECTRIC COOPERATIVE



64 County Route 639
Sussex, New Jersey 07461

**SINGLE-PHASE UNDERGROUND
SERVICE IN CONDUIT**

Service Guide

EXHIBIT 5B

Rev.

1

Date

10/21