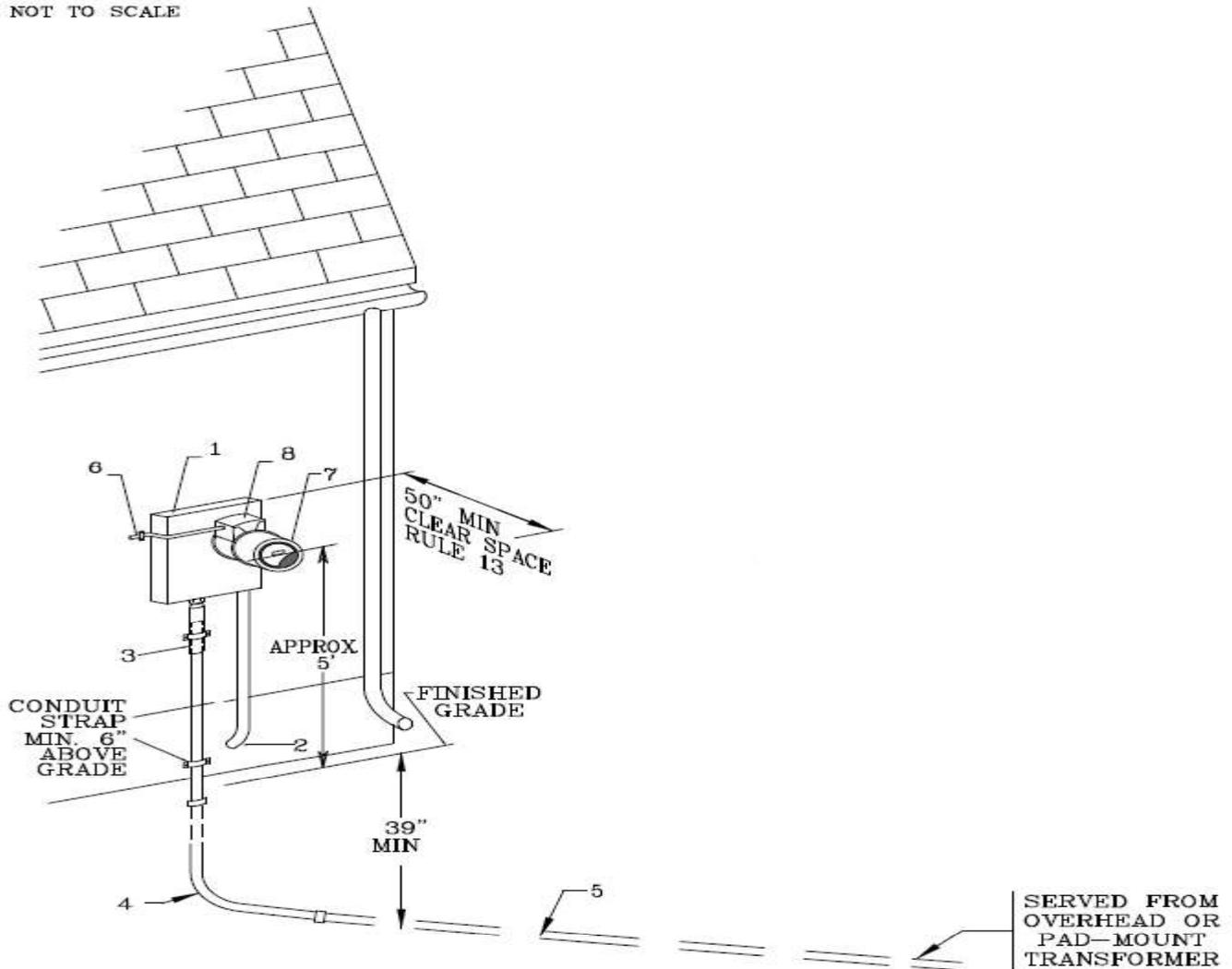


**Sketch #7c Typical underground ConnectDER™ arrangement of outdoor meter on building**

<u>Voltage:</u> 1 phase, 3 wire Network 120/240V* 1 phase, 3 wire 120/208V*	<u>Service Type:</u> Underground
<u>Amperage:</u> *400 Amps maximum 600 Amps maximum	<u>Meter Base Location:</u> Outdoor

NOT TO SCALE



\*Reference: CRS 6-19-133 & CRS 6-19-134 & SKETCH 7a

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RULES FOR ELECTRIC METER AND SERVICE INSTALLATIONS <b>PPL ELECTRIC UTILITIES CORPORATION</b>	<b>Rules:</b> 5, 6, 10, 11B, 13, & 14 <b>Date:</b> 04/27/2020 Engr: PDP
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**Sketch #7c Typical underground ConnectDER™ arrangement of outdoor meter on building (cont.)**

**CUSTOMER FURNISHES, INSTALLS, MAINTAINS:**

1. UNDERGROUND METER BASE APPROVED BY PPL EU SEE TABLE 2 – 1 PHASE.
2. SERVICE ENTRANCE CABLE OR CONDUCTORS IN CONDUIT SEE RULE 5.
3. SLIP RISER AND CONDUIT DOWN TO 90 DEGREE ELBOW, SEE SKETCH #7a FOR MORE DETAILS.
4. 90 DEGREE ELBOW, 36" RADIUS (GREY SCHEDULE 40 PVC OR GALVANIZED STEEL) (CONSULT PPL EU TECHNICIAN FOR MATERIAL).
6. 1/2", 3/4" OR 1" RACEWAY TO CUSTOMER DER SYSTEM AND WIRING, PPL TO MAKE FINAL CONNECTION TO ConnectDER™ .

**CUSTOMER FURNISHES AND INSTALLS, PPL EU MAINTAINS:**

5. SERVICE LATERAL CONDUIT TO 90 DEGREE ELBOW (GREY SCHEDULE 40) PVC CONDUIT (UL APPROVED) OR SUPERCORFLO (SIZE TO MATCH METER RISER CONDUIT).

**PPL EU FURNISHES, INSTALLS, MAINTAINS:**

7. METER
8. ConnectDER™ COLLAR (FOR 15KW DER SYSTEMS AND UNDER)
9. SERVICE LATERAL CONDUCTORS TERMINATING ON LINE SIDE TERMINALS IN METER BASE.

**NOTES:**

- A. SEE PPL EU RENEWABLE ENERGY (DER) WEBSITE FOR MORE INFORMATION.
- B. APPLICATION FOR CUSTOMER-OWNED, INVERTER-BASED RENEWABLE GENERATION MUST BE COMPLETED. SEE CUSTOMER-OWNED GENERATION APPLICATIONS.
- C. PPL EU REQUIRES AN INDEPENDENT ELECTRICAL INSPECTION. THE INSPECTOR IS REQUIRED TO VERIFY THE IEEE/UL LISTING OF THE INVERTER.
- D. INSTALLATION MUST ADHERE TO REQUIREMENTS OF NATIONAL ELECTRICAL CODE ARTICLE 690 AND ARTICLE 705.
- E. ALL LABELING MUST BE IN ACCORDANCE WITH NEC ARTICLE 690.
- F. IN ADDITION TO NOTE D, PPL EU WILL INSTALL PERMANENT LABELING ON THE METER BASE PPL EU CATALOG (#1012171) AND PAD MOUNT TRANSFORMER (#1012171) OR POLE MOUNT TRANSFORMER (#1013816) UPON RECEIPT OF INSPECTION.
- G. IF A NEUTRAL CONNECTION EXISTS AT THE INVERTER, THE INVERTER NEUTRAL SHALL BE CONNECTED TO THE SERVICE NEUTRAL.

\*Reference: CRS 6-19-133 & CRS 6-19-134 & SKETCH 7a

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<p>RULES FOR ELECTRIC METER AND SERVICE INSTALLATIONS <b>PPL ELECTRIC UTILITIES CORPORATION</b></p>	<p><b>Rules:</b> 5, 6, 10, 11B, 13, &amp; 14 <b>Date:</b> 04/27/2020 Engr: PDP</p>
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**REMSI Sketches 1-25  
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**Sketch #7c Typical underground ConnectDER™ arrangement of outdoor meter on building cont.**

- H. CUSTOMER SHALL CONTACT PPL EU PRIOR TO ANY NEW INSTALLATIONS DEPICTED IN THIS SKETCH.
- I. CUSTOMER EXCAVATES, PROVIDES SELECT BACKFILL AND PPL EU SPECIFIES CONDUIT. BACKFILLS, TAMPS IN LAYERS OVER DISTRIBUTED EARTH NEAR BUILDING FOUNDATION TO HELP PREVENT DAMAGE TO SERVICE ENTRANCE EQUIPMENT DUE TO GROUND SETTLING AND RESTORES SURFACE OF TRENCH FROM BASE OF POLE TO BUILDING.

Reference: CRS 6-19-133 & CRS 6-19-134 & SKETCH 7a

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RULES FOR ELECTRIC METER AND SERVICE INSTALLATIONS <b>PPL ELECTRIC UTILITIES CORPORATION</b>	<b>Rules:</b> 5, 6, 10, 11B, 13, & 14 <b>Date:</b> 04/27/2020 Engr: PDP
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**Approved: E180544 Bannon III, John J**