6-22-199 – Customer Reference Specification PPL EU Ultra Service Park Typical Utility Plan

PPL EU Ultra Service Park
Typical Utility Plan

Replaces CRS-1008
406C-199

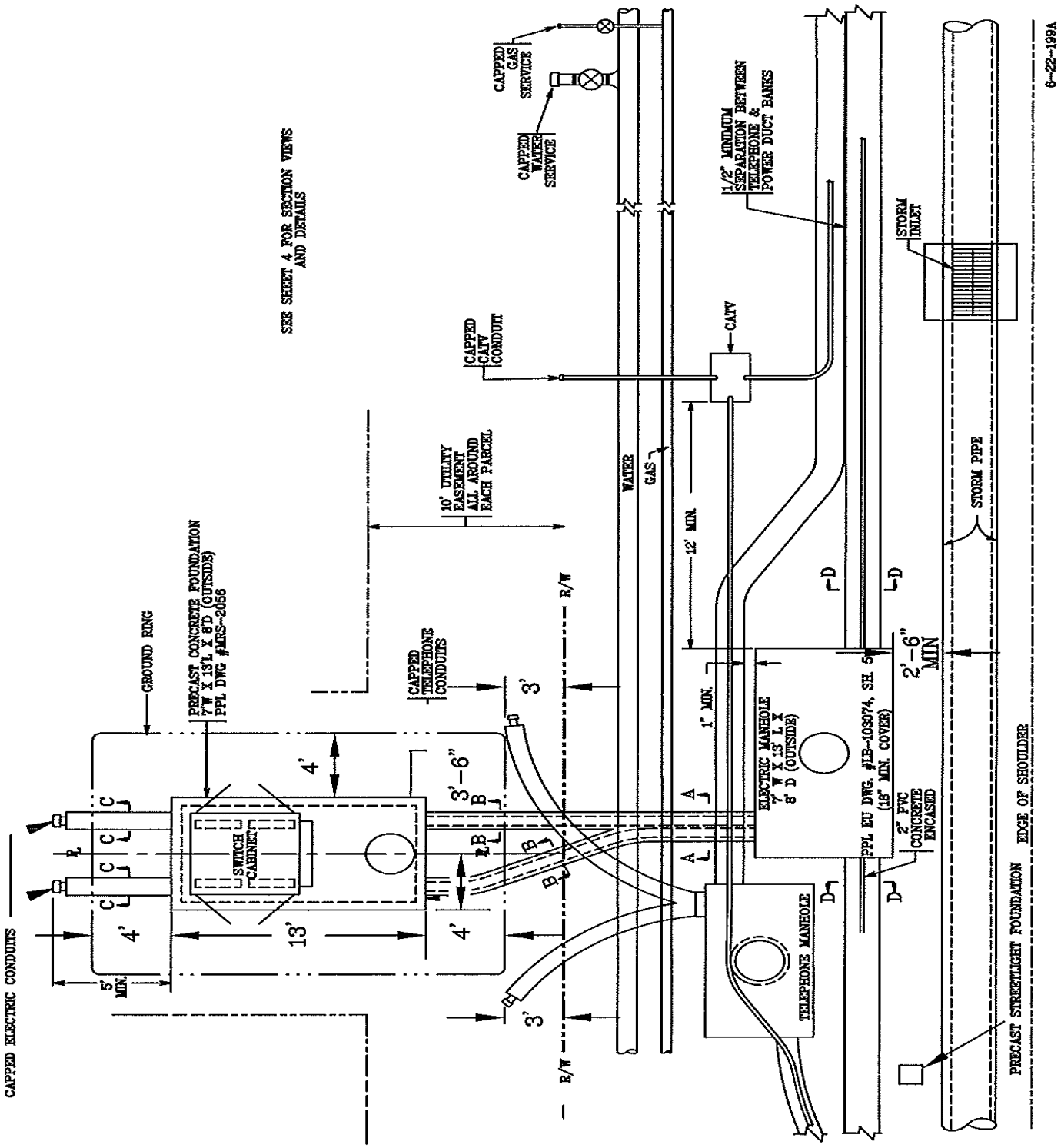
THIS CUSTOMER REFERENCE SPECIFICATION (CRS) IS PART OF THE RULES FOR ELECTRIC METER AND SERVICE INSTALLATION (REMSI) WEBSITE.

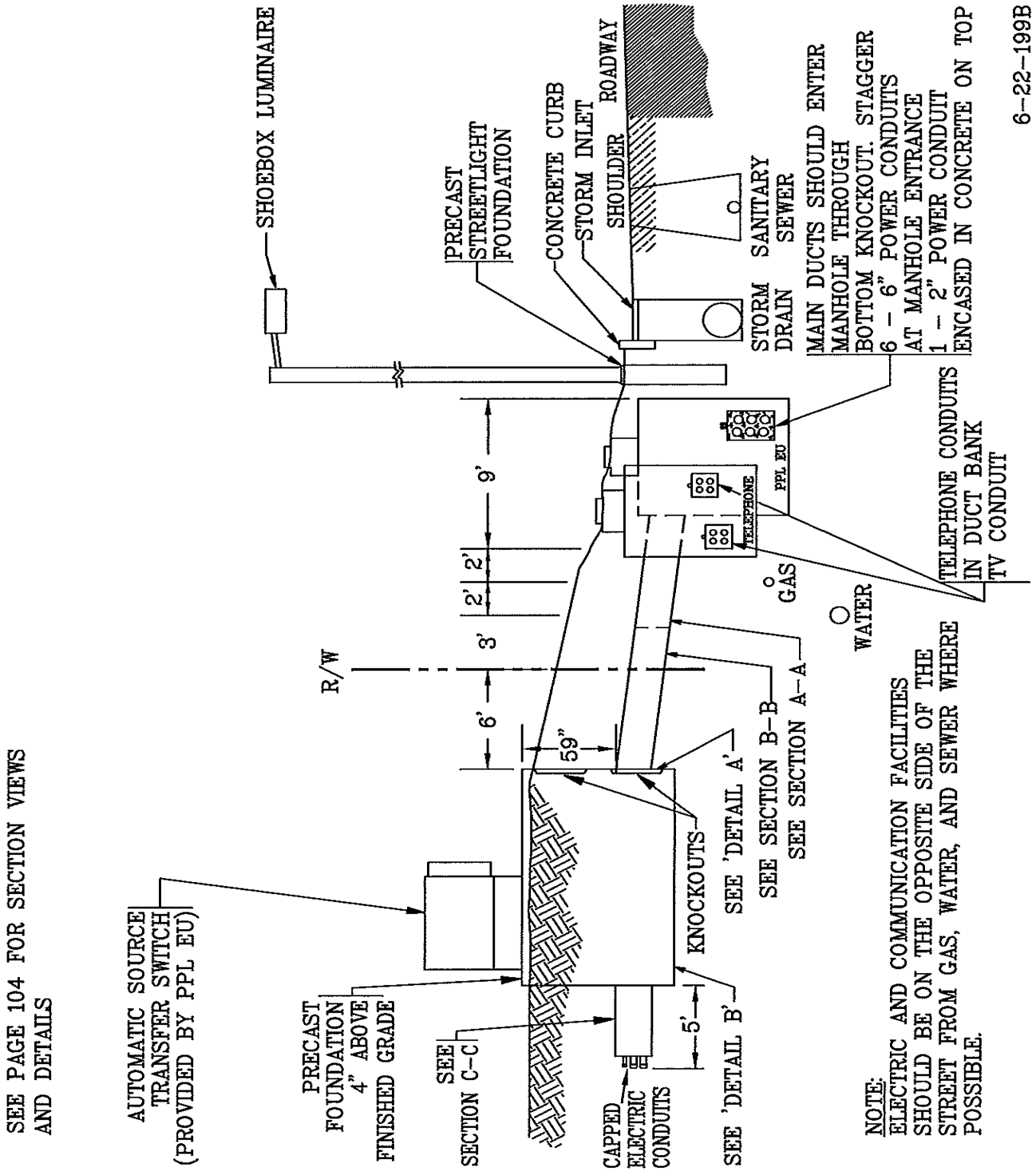
This specification and the specifications listed below define customer responsibilities and requirements for underground service to ultra service parks.

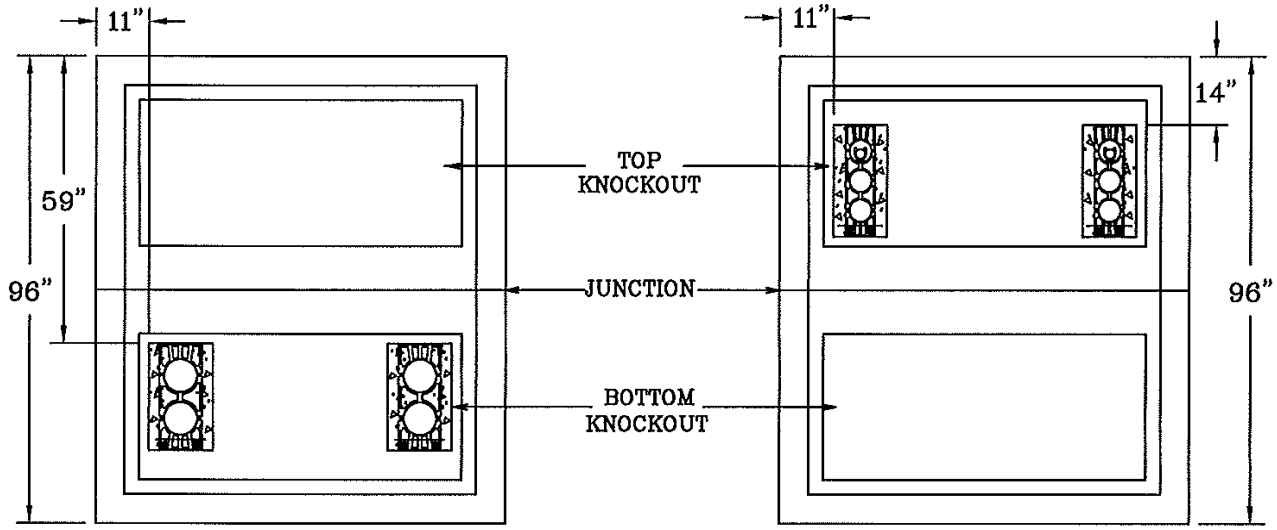
All details of these specifications and the construction plan must be strictly followed. Any deviation must be approved by a PPL EU engineer. Unapproved deviations are usually costly for the customer to correct and can result in delays or possible refusal to connect service.

Reference Specifications:

A-168735	Installation of Duct System
A-168712	Installation of Precast Manhole and Switchgear Foundation
A-190974	Concrete Specification
CRS 6-18-115	Installation Instructions for Customer installed Conduit Systems on PPL EU Terminal Poles
CRS 6-22-198	Installation Instructions for Precast Concrete Foundation for Three-Phase Pad-Mounted Manual or Automatic Source Transfer Switch

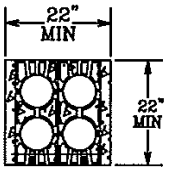






DETAIL 'A'
FRONT VIEW
OF SWITCH FOUNDATION

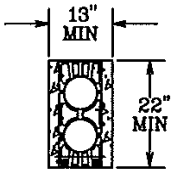
DETAIL 'B'
BACK VIEW
OF SWITCH FOUNDATION



SECTION A–A

4 – 6" CONCRETE ENCASED TYPE DB OR TYPE EB POWER CONDUITS

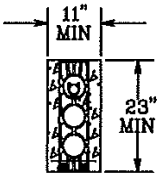
6" PLASTIC DUCT SPACERS PROVIDE 2" SEPARATION BETWEEN CONDUITS



SECTION B–B (SEE NOTE 3)

2 – 6" CONCRETE ENCASED TYPE DB OR TYPE EB POWER CONDUITS

6" PLASTIC DUCT SPACERS PROVIDE 2" SEPARATION BETWEEN CONDUITS

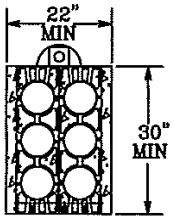


SECTION C–C

2 – 4" CONCRETE ENCASED TYPE DB POWER CONDUIT STUBS

1 – 2" CONCRETE ENCASED TYPE DB POWER CONDUIT STUB

4" PLASTIC DUCT SPACERS PROVIDE 1–1/2" SEPARATION BETWEEN CONDUITS



SECTION D–D

6 – 6" CONCRETE ENCASED TYPE DB OR TYPE EB POWER CONDUITS (STAGGERED AT MANHOLE ENTRANCE)

1 – 2" TYPE DB POWER CONDUIT ON TOP ENCASED IN 4" X 4" CONCRETE (MINIMUM)

6" PLASTIC DUCT SPACERS PROVIDE 2" SEPARATION BETWEEN CONDUITS

NOTES:

1. PLACE #4 REINFORCING RODS ALONG AND ACROSS DUCT RUNS AS SPECIFIED BY A PPL ENGINEER.
2. A MINIMUM OF 3" OF CONCRETE IS REQUIRED AROUND THE OUTSIDE OF ALL CONDUITS.
3. USE 22–1/2 ° SWEEPS (WITH A 48" MIN. RADIUS BEND) TO FORM WYE SECTION OF DUCT RUN.
4. VIBRATE ALL FIELD POURED CONCRETE TO ELIMINATE AIR POCKETS.

6–22–199C