

SECTION 26 22 50 – SERVICE ENTRANCE

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Arrangement with utility company for permanent electric service. Refer to Division 26 "Basic Electrical Requirements," and applicable Division 01 sections for payment of charges billed by utility company.
- B. Underground primary and secondary service work.

1.2 REFERENCES

- A. ANSI/NFPA 70 - National Electric Code.

1.3 UTILITY COMPANY

- A. Utility is PPL. Refer to Division 26 "Basic Electrical Requirements," for contact information.
- B. System Characteristics: Secondary voltage 277/480 volts wye, 3 phase, 4 wire, 60 Hertz.

1.4 QUALITY ASSURANCE

- A. Perform work in accordance with utility company written requirements.
- B. Maintain one copy of each document on site.

1.5 REGULATORY REQUIREMENTS

- A. Conform to requirements of ANSI/NFPA 70.

1.6 FIELD MEASUREMENTS

- A. Verify that field measurements are as indicated on utility company drawings.

PART 2 - PRODUCTS

Not Applicable.

PART 3 - EXECUTION

3.1 UTILITY/CONTRACTOR COORDINATION

- A. Electric Utility will provide the following:
 - 1. Pad mount transformer and terminations at the transformer. Existing utility pole to remain.
 - 2. Primary service cables from existing pole to transformer.
 - 3. Secondary service cables (600 volt).
 - 4. Meter and meter wiring from switchboard CT compartment to exterior meter.
- B. Electrical Contractor will provide the following:
 - 1. Precast transformer vault per utility requirements. Remove existing transformer concrete pad.
 - 2. Modify existing primary and secondary service conduits as required per utility requirements to accommodate precast transformer vault.
 - 3. Extension/relocation of existing secondary service conduits inside building to new switchboard.
 - 4. Transformer bollards, stone moat, ground ring and rods per utility requirements.
 - 5. Meter base per utility requirements.
 - 6. Conduit from current transformer in the switchboard sized in accordance with Electric Utility Co. requirements.
- C. Electrical Contractor shall contact Electric Utility Co. for specific instructions regarding their service requirements before beginning of his work. All service work shall be in complete compliance with Electric Utility Co. requirements, codes, and regulations.
- D. Coordinate all excavation and backfill requirements for exterior underground work with General Contractor.
- E. Make all arrangements necessary to obtain electrical service from Electric Utility Co.
- F. Verify exact location of meter base with utility prior to install. No additional cost shall be passed on to the owner if utility locates meter further distance from metering compartment than shown on drawings.
- G. Provide one (1) telephone/voice line from nearest data closet to PP&L meter base.
- H. Obtain all necessary standards and detail drawings from Electric Utility Co. before construction of service equipment is commenced. Electric Utility Co. service data as shown is accurate as determined on the date of specification issued and shall be verified as specified hereinabove.
- I. Verify that service equipment is ready to be connected and energized.

END OF SECTION 26 22 50