

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 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: Primary voltage 7,200/12,470 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. Terminations at utility pole.
 - 2. Underground service cables between utility pole and exterior medium voltage switchgear.
 - 3. Meter and wiring between medium voltage switchgear and meter base.
- B. Electrical Contractor will provide the following:
 - 1. Conduit between medium voltage switchgear metering section and meter location. Meter base per utility requirements.
 - 2. All underground primary service conduits and concrete encasement.
 - 3. Precast handhole and concrete equipment pad for exterior medium voltage switchgear.
 - 4. Excavation and backfilling for all primary conduits, handholes and medium voltage switchgear.
 - 5. Exterior medium voltage switchgear.
 - 6. Ground ring and rods around exterior medium voltage switchgear.
 - 7. Primary service cables between exterior medium voltage switchgear and existing pad mount transformers (located at the middle school and Denver Elem.) via existing manhole.
 - 8. All terminations with exception of PP&L service cables at main fused switch section of exterior medium voltage switchgear.
- C. Electrical Contractor shall contact Electric Utility Co. for specific instructions regarding their service requirements before beginning work. All service work shall be in complete compliance with Electric Utility Co. requirements, codes, and regulations.
- D. Make all arrangements necessary to obtain electrical service from Electric Utility Co.
- E. Verify exact location of Electric Utility Co. Service Pole prior to any rough ins.
- F. 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.
- G. Verify that service equipment is ready to be connected and energized.

END OF SECTION 26 22 50