PART 1 - GENERAL

1.01 WORK INCLUDED

1. Arrangement with Utility Company for permanent electric service including payment of Utility Company charges for service.
2. Underground Service Entrance only, except by specific Owner approval.

1.02 SYSTEM DESCRIPTION

System Voltage: 120/208 volts, 120/240 volts, or 277/480 volts, three phase, four- wire, 60 Hertz

1.03 QUALITY ASSURANCE

A. Utility Company: Duke Energy

B. Install service entrance in accordance with Utility Company's rules and regulations.

PART 2 - PRODUCTS (NOT APPLICABLE)

2.01 NOT USED

PART 3 - EXECUTION

3.01 INSTALLATION

A. Make arrangements with Utility Company to obtain permanent electric service to the Project and to maintain existing electrical service. All utility primaries on Owner property shall be underground.

B. Underground: Install service entrance conduits and feeders from the transformer location to building service entrance equipment. Install primary conduits and coordinate routing. Overhead services are not permitted for new construction.

C. Make arrangements with the Utility Company for extending and relocating primary feeder and transformer. The Electrical Contractor shall pay all costs incurred. Coordinate these requirements prior to bidding.

D. Furnish and install concrete pad in a suitable size in accordance with Utility Company's requirements, if not provided by the Utility Company.

E. This Contractor shall be responsible for the coordination of fencing around transformers. If fencing is not indicated, this Contractor shall provide.

F. All electrical service and distribution equipment shall be located indoors for new construction; except for lift stations, relocatables, outdoor signs, etc.

G. Engineer shall coordinate, with the local Electrical Utility Company, for any necessary conduits needed for primary and secondary services and have electrical contractor include in bid.

H. Service entrance raceways shall have a minimum burial depth of 36" to top of raceway.

I. Service Entrance Raceways shall have a yellow marker tape installed above its entire length placed approximately 12" below the finished grade. (Horizontal boring methods are the exception.)

J. Contractor shall field adjust all circuit breaker trip settings as determined by breaker coordination study.

**END OF SECTION**