SECTION 16164

RESERVOIR UTILITY METER

# GENERAL

## DESCRIPTION

### This section includes materials and installation of a low-voltage utility meter socket for power, controls, and telemetry at the reservoir.

## RELATED WORK SPECIFIED ELSEWHERE

### Section 16010: General Electrical Requirements.

### Section 16938: Power System Study

## SUBMITTALS

### Submit shop drawings in accordance with the General Conditions.

### Submit ratings and characteristics including voltage ratings, continuous current ratings, and enclosure type.

### Submit outline and dimensional drawings and conduit entry restrictions.

## UTILITY APPROVAL

### Shop drawings of service section shall be approved by the serving utility prior to fabrication.

## MANUFACTURERS

### Meter socket shall be manufactured by Cooper B-Line, Square D, or equal.

## MEASUREMENT AND PAYMENT

### Payment for the work in this section shall be included as part of the lump-sum bid amount stated in the Proposal.

# MATERIALS

## GENERAL

### Provide a single meter position meter socket with manual circuit closing bypass, underground feed, and surface mounted.

### Provide current, voltage, and quantity of phases as shown on drawings.

### Conform to the requirements of the serving utility.

## ENCLOSURE

### NEMA 3R construction. For locations with corrosion potential, enclosure shall be NEMA 3RX (316 SS).

### ANSI 61 gray acrylic electrocoat finish.

# EXECUTION

## INSTALLATION

### Secure meter socket to block wall with Type 304 stainless steel concrete anchors.

**END OF SECTION**