

## SECTION 1446

### WATER METERS

#### 1446.0100 GENERAL

**1446.0101 Description of Work.** The work under this Section shall consist of furnishing water meters and incidental fittings, all in accordance with the details shown on the plans and requirements of these specifications.

#### 1446.0102 Related Specifications.

- Section 0105 – Control of Material (City of Tucson General Provisions, Appendix C)
- Section 0209 – Installation of Water Lines

**1446.0104 Delivery, Storage, and Handling.** Water meters shall be delivered to Tucson Water Stores at 1445 South 11<sup>th</sup> Avenue, (520) 791-4194. Water meters shall be stored and handled in accordance with the manufacturer's instructions, except as may be modified by the plans, special specifications, or as directed by the Engineer. The supplier shall notify Tucson Water Stores 24 hours prior to delivering the water meters.

#### 1446.0200 PRODUCTS

#### 1446.0201 Materials.

**(A) Standards.** Water meters and the materials used in their manufacture shall comply with the most recent revision of the standards in Appendix B.

**(B) Component Parts.** Meters covered by this specification are sized 5/8 inch by 3/4 inch through 2 inches unless otherwise noted in the special specifications. Meters larger than 2 inches shall be in accordance with AWWA C702. The meter's component parts shall conform to AWWA current testing meter standards. All meter components shall be tested and certified by an approved testing laboratory located in the United States. All parts shall be readily available.

The meter manufacturer's name and serial number shall be identified on each meter. The direction of flow shall be cast on the outer case.

Main case connections for 1-1/2-inch and 2-inch meters shall be flanged on both ends. Companion flanges will not be provided.

Casings for meters may be of a split case design.

**(C) Performance Test.** The performance of the water meter shall comply with the maximum friction loss per cubic foot of water measured, as per AWWA current testing standards for meters.

## SECTION 1446

### 1446.0300 EXECUTION

#### 1446.0302 Installation.

**(A) General.** Meters shall be installed in accordance with the manufacturer's recommendations and current AWWA standards.

**(B) Meters.** Tucson Water has the right to approve or reject meters based on performance, preference, or reading capabilities.