



PART 1 – GENERAL

1.1 SECTION INCLUDES

- A. Water meters.

1.2 REFERENCES

- A. AWWA C700 - Water Meters

1.3 SUBMITTALS FOR REVIEW

- A. Product Data: Provide list which indicates use, size, operating range, and location for installation.
- B. Catalog Cut: Provide manufacturer's standard specification data sheet for proposed water meter submitted with credit meter application form.
- C. Plan, drawing or sketch documenting the proposed meter installation and demonstrating that the metered water will not be returned to the sanitary sewer system.

PART 2 - PRODUCTS

2.1 WATER METERS

- A. Manufacturer: Badger Meter Recordall® Cold Water Bronze Disc Meter, or approved equal.
 - 1. Substitutions: Permitted with pre-approval.
- B. AWWA C700 disc type suitable for fluid with cast bronze meter housing, measuring chamber and permanently sealed magnetic drive register.
- C. Meter: Specifications:
 - 1. Service: Cold water, 80 degrees F maximum.
Hot water, as suitable for intended service.
 - 2. Maximum Operating Pressure: 150 psi.
 - 3. Accuracy: 100% ± 1-1/2 percent.
 - 4. Measuring element: Nutating disc, positive displacement.
 - 5. Maximum Counter Reading: 10 million gallons.
 - 6. Size: As determined by licensed plumber and suitable for intended service.
- D. Materials:
 - 1. Meter housing: Cast bronze, Low Lead Alloy.
 - 2. Housing bottom plates: Bronze, Cast Iron, Thermoplastic, Low Lead Alloy.
 - 3. Measuring chamber: Thermoplastic.
 - 4. Disc: Thermoplastic
 - 5. Trim: Stainless steel, Bronze.
 - 6. Strainer: Thermoplastic.
 - 7. Disc Spindle: Stainless steel, Thermoplastic.
 - 8. Magnet: Ceramic, Polymer-bonded.
 - 9. Magnet Spindle: Stainless steel, Thermoplastic.
 - 10. Register Lid and Shroud: Thermoplastic, Bronze.
 - 11. Generator Housing: Thermoplastic.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install in accordance with manufacturer's instructions, plumbing code, and local building department requirements, and drawing submitted in accordance with Section 1.3.C.
- B. Install positive displacement meters with isolating valves on inlet and outlet.

3.2 SEALING

- A. Contact the North Shore Water Reclamation District 847-623-6060 when installation is complete to have a District representative inspect the meter installation and seal the credit meter.