

Dinwiddie County Water Authority
23008 Airpark Drive North Dinwiddie, Virginia 23803-6926
Telephone: 804-861-0998 Website: www.dcwa.org



Residential Emeter Policy

Effective Date: July 1, 2014

Revised: February 22, 2019 - updated radio read meter costs.

Revised/Approved: July 13, 2026 – updated radio read meter costs, policy updates, and contact information.

Background:

An exclusion meter, commonly called an emeter, is a secondary meter installed after the Authority's water meter. The emeter is intended to measure the portion of the metered water that does not enter the sanitary sewer system. The Authority bills water and sewer on a one-to-one ratio. That means a customer's sewer portion of their water and sewer bill is based on the amount of water that passed through the main water meter. DCWA customers can obtain credit on the sanitary sewer chargers through a registered emeter. Water is not included in the credit. Usage of an emeter and applicable credits shall be in accordance with the Authority's emeter policy.

Requirements:

The requirements for the installation of an emeter are as follows:

- The Dinwiddie County Building Inspector's Office will inspect the backflow preventer installation, mounting and that it is protected from freezing. A permit is required from the Building Inspector's office for the inspection of the backflow preventer. Contact information for the Dinwiddie County Building Inspector's office is (804) 469-4500, press 6, then press 1. Details for backflow prevention are included on the Authority's website, www.dcwa.org, on the [NEWS AND INFO] page under the article titled "Residential Irrigation Backflow Guide".
- A third-party inspection of the backflow preventer device itself is required by a third-party certified backflow inspector with documentation sent to both the Dinwiddie County Building Official and Authority. This is an annual requirement.
- The customer shall have a certified plumber install a water meter box and setter (yoke) on a new service line connected at the plumber's connection. The plumber's connection is just outside the meter box, on the homeowner side of the meter box, normally within 18"

of the meter box. The meter box and setter details are attached with the proposed location of the emeter [B].

- The water service line shall be a minimum of ¾" IPS 200 psi and all pipe fittings should be brass or copper (lead free). The meter box and setter are per Authority specifications and detailed on attached Drawing #175-A.
- The Authority will inspect the installation of the tee, meter box, and setter. The Authority will set the new radio read meter upon payment and acceptance of the installation.

Process:

The Authority will read the water meters monthly, at the same time the emeter will also be read. With the meters being read at the same time, the customer is given the appropriate credit on the sewer portion of their water and sewer bill for the specific meter reading cycle. Both meters will be read year-round. When there is no consumption on the emeter, a credit on the sewer portion of the bill will not be given.

The Authority owns all water meters. The customer is responsible for all installation and maintenance of the setter, tie-in (tee) to the existing service line, and any part of the emeter supplied system. In the event the emeter fails or does not provide a signal to be read the customer will be responsible for the cost of replacement of the emeter. Any vandalism or mechanical damage to the emeter will be the customer's responsibility.

Schedule of Values:

The cost of the 5/8" radio read meter is \$365.00. The Authority will furnish and install the radio read meter upon payment for the emeter and inspection of the tie-in, meter box and setter. Meters will not be given to customers upon payment. Meters will be set in the field by Authority field staff. The customer will be responsible for contacting the Dinwiddie County Building Inspector's office and obtaining and paying for a plumbing permit for the inspection of the necessary backflow prevention. Contact information for the Building Inspector's office is (804) 469-4500, press 6, then press 1.

Questions:

If you have any questions or need any additional information, please contact the DCWA Operations Manager at (804) 861-0998 ext. 112.

DINWIDDIE COUNTY WATER AUTHORITY

23008 AIRPARK DRIVE • PETERSBURG, VIRGINIA 23803

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Chairman

John H. Clements
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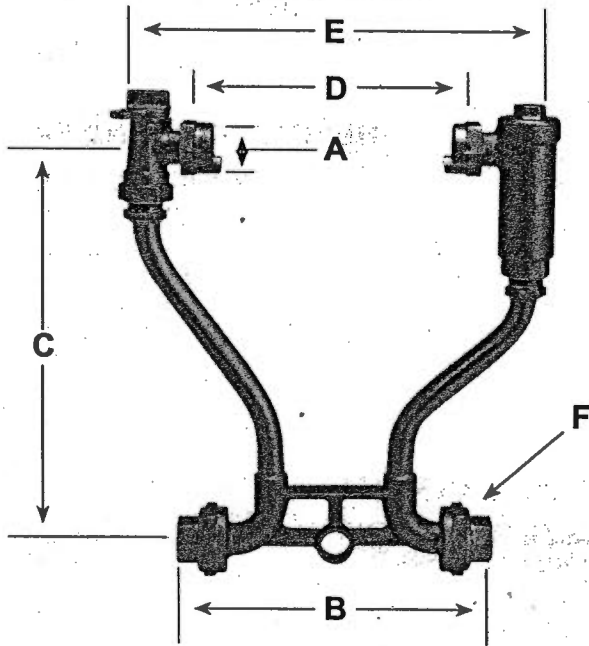


Gene R. Witt
Board Member

J. Larry Harvell
Board Member

Robert B. Wilson, P.E.
Executive Director

Dimensions



DIMENSIONS	DCWA METER SIZES	
	5/8" X 3/4"	1"
A	1 - 5/16"	1 - 5/8"
B	9 - 1/2"	12 - 3/4"
C	HEIGHTS AS ORDERED	
D	7-1/2"+3/8"	10-3/4"+3/8"
E	12"	17 - 1/4"
F	3/4"	1"

THESE FEATURES OR EQUAL:

Angle Key Valve

Angle Cartridge
Dual Check
Valve

Compression
Fitting Inlet

Bracing Eye

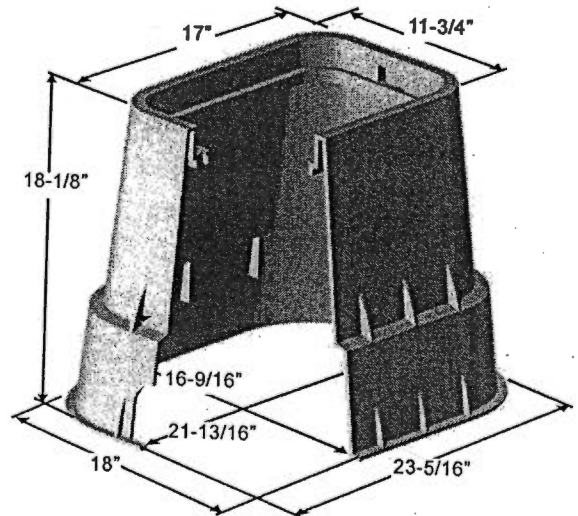
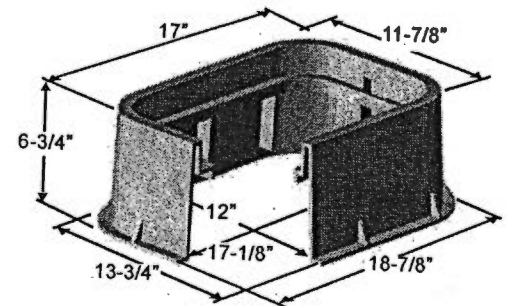
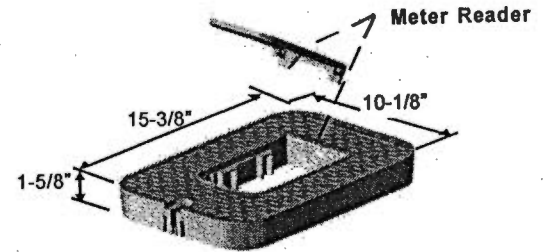
Compression
Fitting Outlet

All brass
Conforms to
AWWA
Standards

Copper
Conforms to
ASTM
Standards

Lead-free
Solder

Saddle Nuts
Hold the
Meter in
Place for
Tightening



REVISIONS
3/9/2007

TYPICAL WATER METER YOKE, BOX, RISER, & TOP
FOR A DCWA 5/8"x 3/4" METER, OR A 1" METER

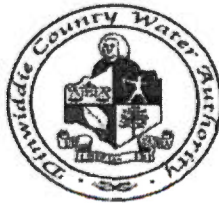
DRAWING NO.
175-A

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A = Main Water Meter

B = Irrigation Water Meter

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Main Street

Dinwiddie County Water Authority Main Water Line

