

What is a “Residential Irrigation” Meter?

WATER RESTRICTIONS ARE STILL REQUIRED FOR ALL TYPES OF IRRIGATION

“**RESIDENTIAL IRRIGATION**” meters are installed to separately account for the water used for irrigation. Water registered on this meter is not assessed a sewer charge.

“**RESIDENTIAL POTABLE IRRIGATION METER**” installation does not require an additional tap to the water main. The irrigation meter may be connected to the same service line that your house meter is on. Since there is no additional flow capacity, the irrigation meter cannot be larger than the existing service. There is a separate cut off valve for each meter so that one can be turned off independently of the other.

“**RESIDENTIAL RECLAIM IRRIGATION METER**” installation will be placed on the opposite side of the property from your house meter.

The Residential Irrigation Meter installation charge is:

- ¾ inch potable meter - \$353.00
- 1 inch reclaimed meter - \$441.00
- \$45.00 Deposit
- Permit Fee of \$52.00

This Charge DOES NOT INCLUDE the following:

- Backflow Prevention Device (BFP).
 - Installation of the Backflow Prevention Device.
 - Initial testing of BFP by Seminole County Approved Tester (Approved Tester list attached).
 - Building Permit (407-665-7050).
 - Annual Testing of the BFP after initial test.
 - Maintenance and repair of the BFP.
 - Connection of the irrigation system to this meter.
 - Monthly based meter fee, applicable volumetric charges, and tax.
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To initiate having a residential irrigation meter installed, please visit or contact the Seminole County Building Division at 1101 East First Street, Sanford; or telephone directly at (407)665-7050.

POLICIES FOR NEW RESIDENTIAL IRRIGATION CONNECTIONS

The Building Division will collect all applicable irrigation fees and charges. A separate permit application and appropriate inspection fee must be submitted to the Seminole County Building Department for the installation of the irrigation system itself and the installation of the backflow prevention device.

The Water and Sewer Division will issue a work order for the installation of the meter.

Utility field personnel will install and LOCK the meter.

In cases where the installation of the new meter is not possible, field personnel will return the work order stating the reason for denial of connection. The Water and Sewer Division will promptly notify the customer and refund the fees collected.

It will be the customer's responsibility to have the backflow prevention device installed and the irrigation lines tied to the metered service.

After installation of the irrigation meter and backflow device (potable irrigation only), the customer will contact the Seminole County Building Division to schedule inspections of the backflow device and cross-connection. The meter will be unlocked after this inspection and the meter will be turned on. **(48 HOURS NOTICE REQUIRED)**

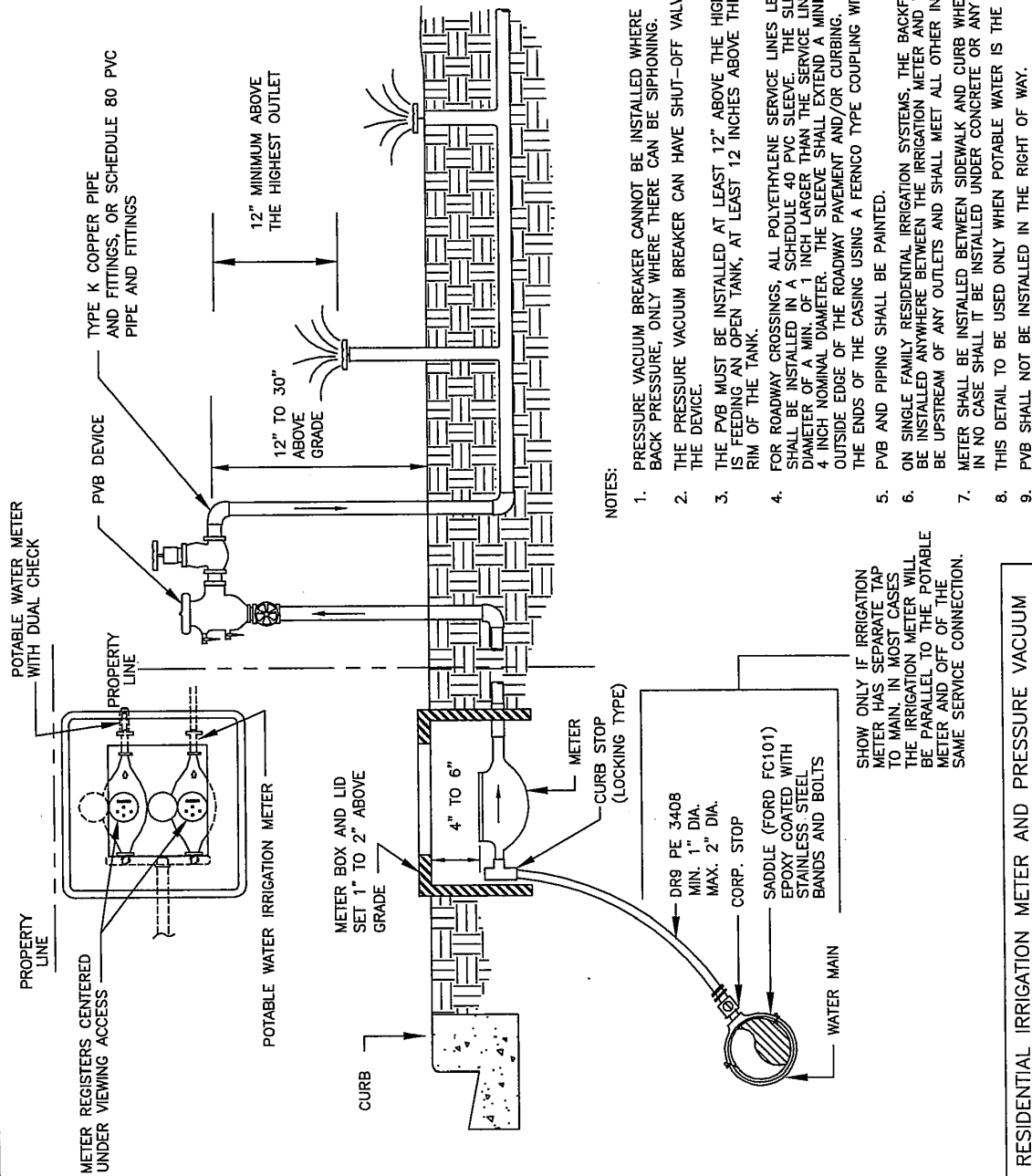
For reclaimed water meters a second inspection is required by Water & Sewer personnel. Contact 407-665-2842 to schedule reclaimed inspection.

IMPORTANT MISCELLANEOUS NOTES

- No irrigation meter will be installed until all fees have been satisfied.
- All irrigation systems connected to potable water must have an approved backflow prevention device installed. The device must be installed to the guide lines below, and must be approved by inspection prior to turning water on to system at the meter.

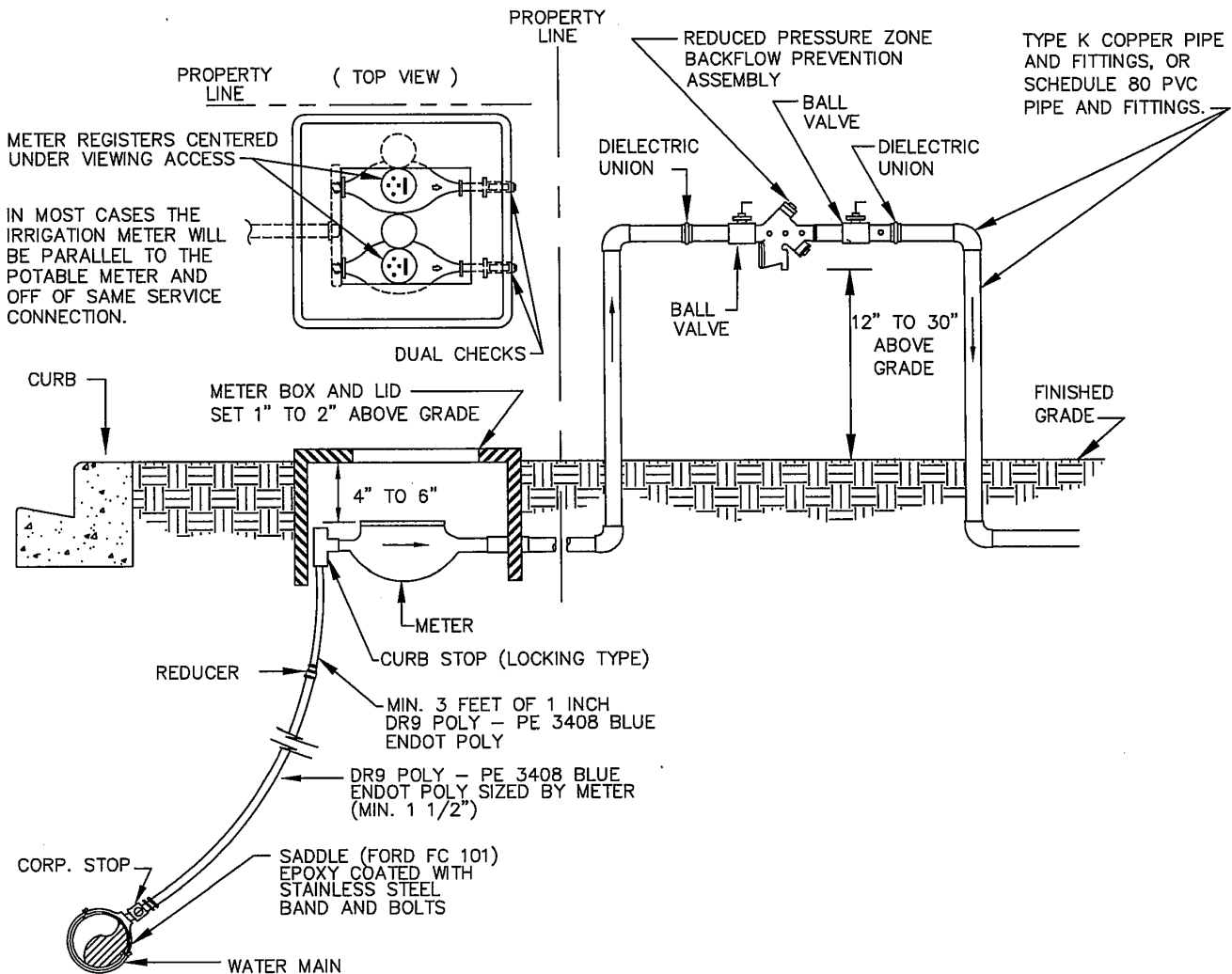
Approved devices are:

- 1) **Reduced Pressure Principal Backflow Preventer (RP)**: conforming to ASSE 1013, AWWA C511, or CSA CAN/CSA-B64.4. A reduced pressure **(RP)** device must be installed at least 12" above grade.
 - 2) **Pressure Vacuum Breaker (PVB)**: conforming to ASSE 1020, or CSA B64.1.2. A **(PVB)** must be installed at least 12" above highest sprinkler head, up to a maximum height of 36" above grade. Note: Systems that would require a **(PVB)** to be installed higher than 36" above grade must have a Reduced Pressure **(RP)** device installed in lieu of the **(PVB)**.
- When a hose bibb is installed between the meter and the backflow, or on the downstream side of a **(PVB)**, a Hose Bibb Vacuum Breaker is required to be installed on the hose bibb threads:
 - The backflow prevention device must be installed immediately after the water meter and before the irrigation system.
 - The minimum of an **(RP)** device must be used, where a booster pump is installed on the service (house) side of the backflow prevention device.
 - Need to protect any potable water source from contamination (well, county, etc.). If the source of potable water is Seminole County utilities an **(RP)** is required to protect the potable system from a non-potable source such as a well.
 - Irrigation heads need to be located a minimum of 12" from structure.
 - Plastic piping supplying the backflow must be protected from ultraviolet light (sunlight). By means of an approved paint or an insulation.
 - Florida Statutes Require a Rain Sensor to be installed on all automatic irrigation systems. The Rain Sensor must be located in an area where it can receive rain from all sides, 360 degrees. Note: Keep in mind 2nd story walls. Rain Sensors must also be secured to a permanent structure, such as fascia of a house or building.



NOTES:

1. PRESSURE VACUUM BREAKER CANNOT BE INSTALLED WHERE THERE CAN BE BACK PRESSURE, ONLY WHERE THERE CAN BE SIPHONING.
2. THE PRESSURE VACUUM BREAKER CAN HAVE SHUT-OFF VALVES DOWNSTREAM OF THE DEVICE.
3. THE PVB MUST BE INSTALLED AT LEAST 12" ABOVE THE HIGHEST OUTLET OR, IF IT IS FEEDING AN OPEN TANK, AT LEAST 12 INCHES ABOVE THE HIGHEST OVERFLOW RIM OF THE TANK.
4. FOR ROADWAY CROSSINGS, ALL POLYETHYLENE SERVICE LINES LESS THAN OR EQUAL TO 2 INCH SHALL BE INSTALLED IN A SCHEDULE 40 PVC SLEEVE. THE SLEEVE SHALL HAVE A NOMINAL DIAMETER OF A MIN. OF 1 INCH LARGER THAN THE SERVICE LINE DIAMETER, BUT NOT EXCEEDING 4 INCH NOMINAL DIAMETER. THE SLEEVE SHALL EXTEND A MINIMUM OF 12 INCHES BEYOND THE OUTSIDE EDGE OF THE ROADWAY PAVEMENT AND/OR CURBING. SEAL THE ANNULAR SPACE AT THE ENDS OF THE CASING USING A FERNOCO TYPE COUPLING WITH STAINLESS STEEL CLAMPS.
5. PVB AND PIPING SHALL BE PAINTED.
6. ON SINGLE FAMILY RESIDENTIAL IRRIGATION SYSTEMS, THE BACKFLOW PREVENTER MAY BE INSTALLED ANYWHERE BETWEEN THE IRRIGATION METER AND THE HOUSE, BUT SHALL BE UPSTREAM OF ANY OUTLETS AND SHALL MEET ALL OTHER INSTALLATION REQUIREMENTS.
7. METER SHALL BE INSTALLED BETWEEN SIDEWALK AND CURB WHERE APPLICABLE. IN NO CASE SHALL IT BE INSTALLED UNDER CONCRETE OR ANY TYPE OF PAVEMENT.
8. THIS DETAIL TO BE USED ONLY WHEN POTABLE WATER IS THE ONLY SOURCE OF IRRIGATION.
9. PVB SHALL NOT BE INSTALLED IN THE RIGHT OF WAY.

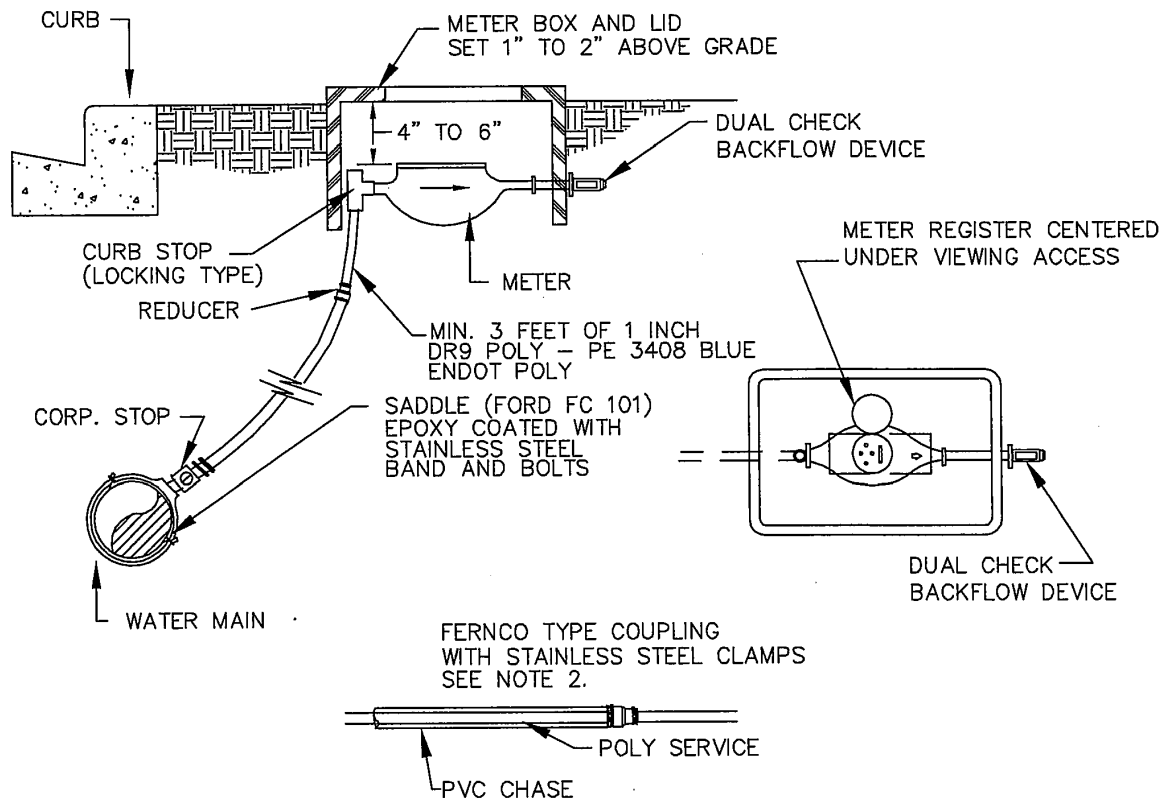


NOTES:

1. A POSITIVE DIELECTRIC CONNECTION SHALL BE MADE BETWEEN ALL GALVANIZED AND BRASS COMPONENTS.
2. METER SHALL BE INSTALLED BETWEEN SIDEWALK AND CURB WHERE APPLICABLE, OR AT PROPERTY LINE AND IN NO CASE SHALL IT BE INSTALLED IN SIDEWALK OR OTHER PAVED AREAS.
3. FOR COMMERCIAL INSTALLATION, BACKFLOW PREVENTION ASSEMBLIES (BFP) AND PIPING SHALL BE PAINTED WITH A PRIMER SUITED TO BASE MATERIALS AND SHALL BE FINISHED WITH TWO COATS EXTERIOR ENAMEL (COLOR OPTIONAL).
4. ON NEW INSTALLATIONS, THE BFP SHALL BE TESTED IN ACCORDANCE WITH SEMINOLE COUNTY ORDINANCE 99-29 SECTION 9.14, BEFORE THE METER INSTALLATION CAN BE APPROVED FOR USE.
5. FOR ROADWAY CROSSINGS, ALL POLYETHYLENE SERVICE LINES SHALL BE INSTALLED IN A SCHEDULE 40 PVC SLEEVE. THE SLEEVE SHALL HAVE A NOMINAL DIAMETER OF A MINIMUM OF 1 INCH LARGER THAN THE SERVICE LINE DIAMETER, BUT NOT EXCEEDING 4 INCH NOMINAL DIAMETER. THE SLEEVE SHALL EXTEND A MINIMUM OF 12 INCHES BEYOND THE OUTSIDE EDGE OF THE ROADWAY PAVEMENT AND/OR CURBING. THE ANNULAR SPACE SHALL BE SEALED WITH A CASING SEALER. A FERNCO TYPE COUPLING WITH STAINLESS STEEL CLAMPS SHALL BE INSTALLED AT THE CASING ENDS.
6. MAINTENANCE OF THE BFP, PIPING AND APPURTENANCES DOWNSTREAM OF THE METER SHALL BE THE RESPONSIBILITY OF THE OWNER.
7. ON SINGLE FAMILY RESIDENTIAL IRRIGATION SYSTEMS, THE BFP MAY BE INSTALLED ANYWHERE BETWEEN THE IRRIGATION METER AND THE HOUSE, BUT NOT FARTHER THAN 50 FEET FROM THE METER AND SHALL BE UPSTREAM OF ANY OUTLET AND SHALL MEET ALL OTHER INSTALLATION REQUIREMENTS.
8. THE BFP SHALL NOT BE INSTALLED IN THE RIGHT OF WAY.

POTABLE WATER IRRIGATION METER &
REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY

SEM.CO 1-10
C-7A MRPBF



NOTES:

1. METER BOXES SHALL BE INSTALLED BETWEEN SIDEWALK AND CURB WHERE APPLICABLE OR AT THE PROPERTY LINE, CENTERED BETWEEN THE LOT LINES AND IN NO CASE SHALL IT BE INSTALLED IN THE SIDEWALK OR OTHER PAVED AREAS.
2. FOR ROADWAY CROSSINGS, ALL POLYETHYLENE SERVICE LINES SHALL BE INSTALLED IN A SCHEDULE 40 PVC SLEEVE. THE SLEEVE SHALL HAVE A NOMINAL DIAMETER OF A MINIMUM OF 1 INCH LARGER THAN THE SERVICE LINE DIAMETER, BUT NOT EXCEEDING 4 INCH NOMINAL DIAMETER. THE SLEEVE SHALL EXTEND A MINIMUM OF 12 INCHES BEYOND THE OUTSIDE EDGE OF THE ROADWAY PAVEMENT AND/OR CURBING, THE ANNULAR SPACE AT THE ENDS OF THE CASING SHALL BE SEALED WITH A CASING SEALER AND A FERNCO TYPE COUPLING WITH STAINLESS STEEL CLAMPS SHALL BE INSTALLED.
3. POLY SERVICE LINE SIZED BY SERVICE CONNECTION (1-1/2" MIN.)
4. POTABLE WATER SHALL BE RETOFITTED WITH A REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY WHEN ALTERNATE WATER SUPPLY OTHER THAN RECLAIMED WATER IS USED.
5. ANY RESIDENTIAL PROPERTY THAT HAS AN ALTERNATIVE WATER SUPPLY OTHER THAN RECLAIMED WATER SHALL HAVE A REDUCED PRESSURE BACKFLOW (RPZ) PREVENTION ASSEMBLY INSTALLED. THE RPZ CAN BE LOCATED WITHIN FIFTY FEET OF THE WATER METER, HOWEVER IF THE RPZ IS NOT INSTALLED WITH TWO FEET OF THE RESIDENTIAL METER A DUAL CHECK DEVICE SHALL ALSO BE INSTALLED AT THE METER.

3/4", 1" AND 1 1/2" SINGLE WATER METER & BACKFLOW PREVENTER
RESIDENTIAL WHERE RECLAIMED IRRIGATION IS AVAILABLE