

If your home has an irrigation system for watering your lawn and landscaping you may want to consider the installation of an irrigation meter. The use of an irrigation system will cause a higher usage bill for customers who use their irrigation systems frequently. The installation of an irrigation meter can reduce a customer's charges for sewer usage and the Township would encourage anyone who uses a large volume of water to consider this installation of an irrigation meter.

Below is an example of the savings that could be realized assuming that the majority of water used at the home is a result of seasonal irrigation. In this example the homeowner would recoup the initial investment over the next few years depending on the irrigation usage.

| | | | |
|----------------------------------|----------|---|----------|
| Bill without an irrigation meter | | Bill with an irrigation meter | |
| Water usage 609 | | Irrigation water 491 Domestic water 118 | |
| Sewer | \$133.12 | Sewer | \$34.57 |
| Water | \$110.23 | Water | \$110.23 |
| SR | \$11.07 | SR | \$11.07 |
| WR | \$17.11 | WR | \$17.11 |
| <hr/> | | <hr/> | |
| TOTAL BILL | \$271.52 | TOTAL BILL | \$172.98 |

The cost for the meter and permit from the Water and Sewer Department are \$375.00. The Inspections Department will need to inspect the plumbing work and a permit costing \$65.00 will be needed also. Other incurred costs will depend on the complexities of your plumbing system and the plumber who does the work. As you can see, the irrigation meter will save you money on your sewer bill. It is anticipated that sewer rates will continue to increase in the coming years and so will the savings provided by an irrigation meter.

Steps to take to Install an Irrigation Meter:

1. We suggest asking for bids from plumbers, the plumber must be licensed by the State to pull their required \$65 plumbing permit.
2. The homeowner should pull the irrigation permit (\$375) and the plumber should pull the plumbing permit (\$65) from the Township. The homeowner will receive a meter bar and permit. The plumber will need the meter bar and permit number to do their work.
3. After the permits have been issued and the plumber completes their work you can call the phone number found on the irrigation permit to set up the meter installation appointment. You will need the irrigation permit number, and at least a 24 hour lead time for make the appointment. The meter installation and plumbing inspection will be done at the appointed time.

If you are interested in an irrigation meter please complete the enclosed application. Bring the application along with the required fees to the Township office to pick up the permit and meter bar.

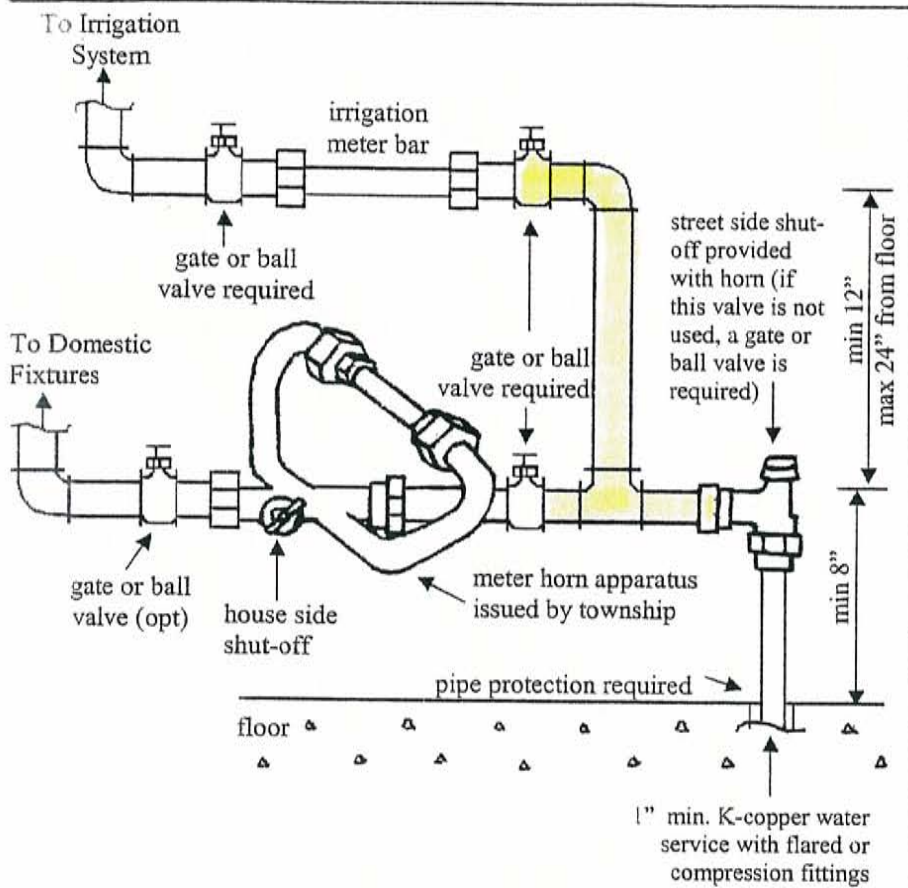
Byron-Gaines Utility Authority

RESIDENTIAL Meter Set Drawings **with IRRIGATION METER**

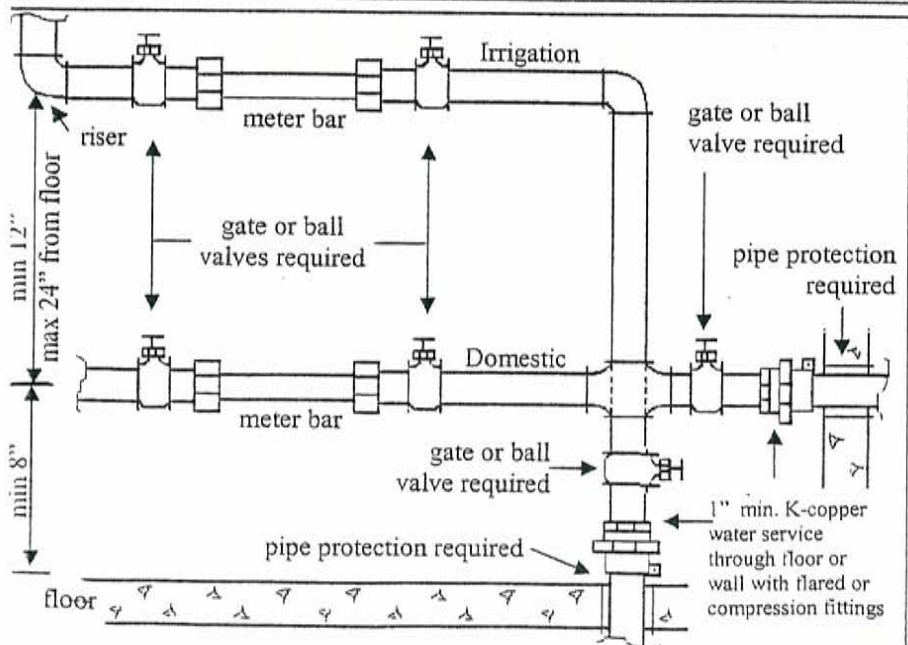
for Byron and Gaines Townships

For all meter sets, call (616) 971-0002 by 3:00 pm the day before meter is needed. Have address and water permit number ready when calling.

REQUIREMENTS FOR METER SETS:



5/8" DOMESTIC METER WITH 1" IRRIGATION METER



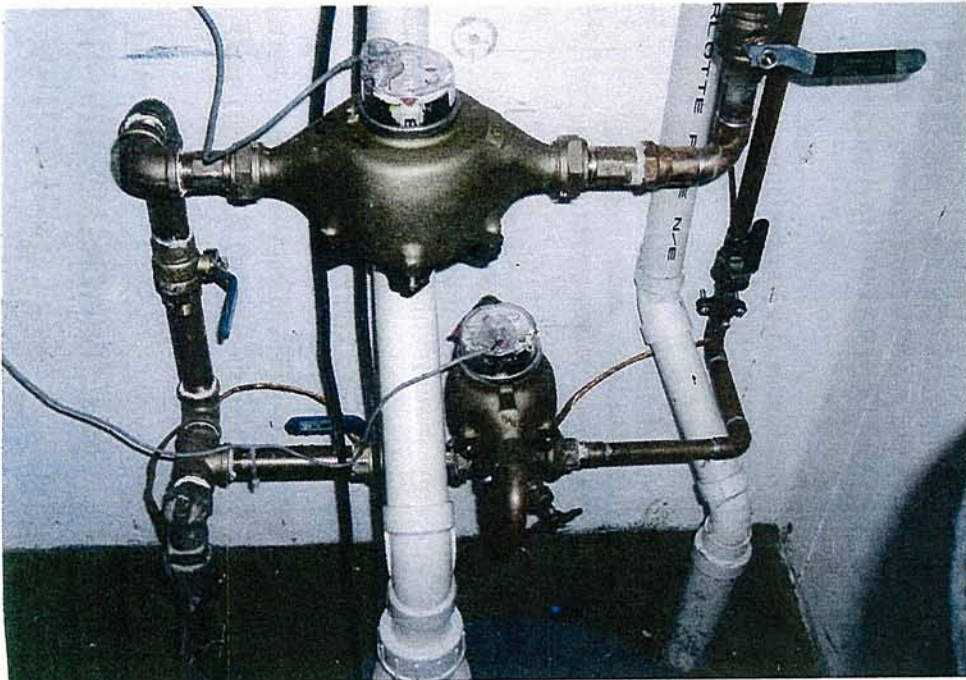
1" DOMESTIC METER WITH 1" IRRIGATION METER

1. All plumbing must meet state and local codes, ordinances and Byron-Gaines Utility Authority Standard Construction Requirements.
2. Water may be used for construction prior to meter set on NEW residential only. Existing homes must have meter set prior to use.
3. Curb stop box must be at grade or above, clean and readily accessible prior to meter set.
4. Driveway and sidewalks must be poured. (Waivers are available from Dec. 1 to Apr. 1 each year, contact office for details.)
5. Water service and meter must be protected from freezing and theft.
6. The area around meter must be easily accessible with a 12" minimum and 24" maximum from outside wall.
7. Do not use pipe dope on meter bar couplings as these must be loosened at time of meter set.
8. All pipe nipples and fittings prior to meter must be threaded brass.
9. Meter horn or bar must be plumbed in with at least a riser past the house side outlet valve. Riser must be secured to wall or ceiling.
10. Meter bar or horn must be installed so that the meter will be horizontal.
11. Shut-off valves must be the same size as the water meter connection.
12. If installing irrigation system, 1" copper pipe is recommended to be installed from meter to irrigation tee to reduce noise.
13. Irrigation systems require backflow preventers on irrigation supply line.

Example



Example



BYRON GAINES UTILITY AUTHORITY 616-971-0002
RESIDENTIAL METER SET WITH IRRIGATION METER

BE AWARE

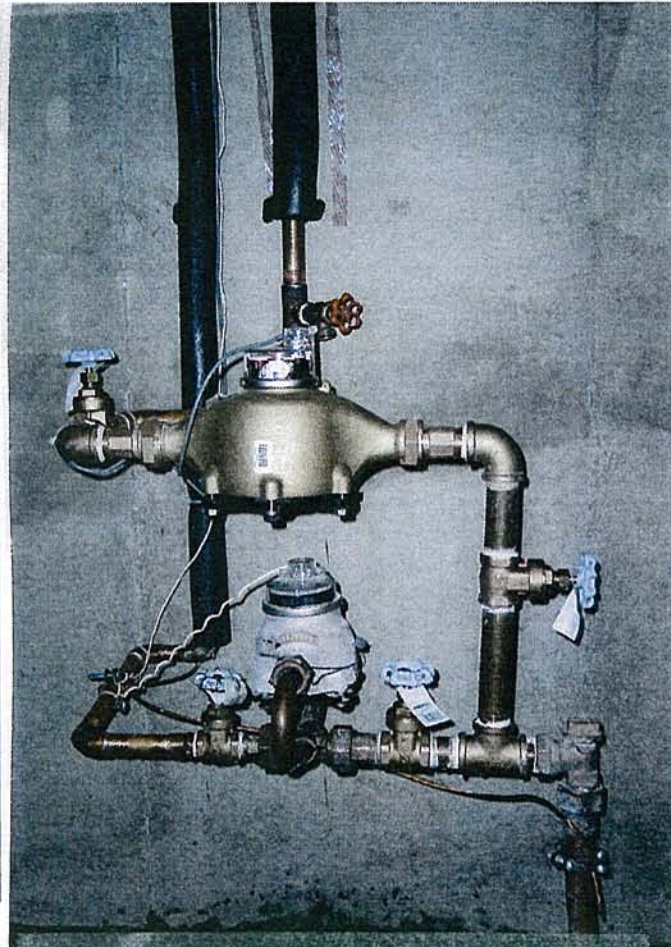
When installing an irrigation meter the 3 plumbing issues that come up most often are the following:

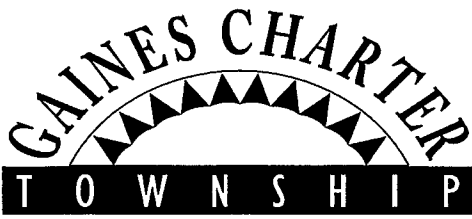
Spacing - not enough room to fit the meter in.

Valves - there needs to be a "whole house shut off" and valves before and after each meter for a total of 5.

Fittings - the fittings before the meter need to be threaded brass not soldered.

Example





**APPLICATION
FOR
IRRIGATION METER
METER \$325.00
PERMIT \$50.00**

FOR TOWNSHIP USE ONLY

WATER PERMIT NO. **W** _____

SEWER PERMIT NO **S** _____

DATE RECEIVED _____

IDENTIFICATION: (Please indicate if owner and applicant are the same.)

OWNER _____

MAILING ADDRESS _____

CITY _____

STATE _____ ZIP _____

PHONE _____ FAX _____

APPLICANT/BUILDER _____

MAILING ADDRESS _____

CITY _____

STATE _____ ZIP _____

PHONE _____ FAX _____

PROPERTY INFORMATION: New Construction Existing

PROP. ADDRESS _____

CITY _____

STATE _____ ZIP _____

PERMANENT PARCEL NO. 41 - 22 - - -

DEVELOPMENT NAME _____

LOT NO. _____ BLDG. NO. _____

FRONTAGE _____

ACREAGE _____

PROPOSED USE: Water Sewer Sub Meter Well Meter Fire Protection

REQUESTED METER SIZE: 5/8" 1" 1-1/2" 2"

RESIDENTIAL USE:
 ONE FAMILY
 MULTI-FAMILY (NO. UNITS) _____
 GROUP HOUSING (TYPE) _____

COMMERCIAL USE
 INDUSTRIAL USE

NOTE: COMM. & INDUST. USERS MUST ALSO COMPLETE PAGE 2 OF THIS APPLICATION.

APPLICANT SIGNATURE: (Below) (Please be sure that application form is completed.)

PER SECTION 1104 OF THE GAINES TOWNSHIP WATER AND SEWER ORDINANCE, "THE OWNER OF A PREMISES TO BE CONNECTED TO THE WATER SYSTEM OR SEWER SYSTEM SHALL BE BOUND BY THE TERMS OF THE APPLICATION AND THE PERMIT ISSUED PURSUANT TO THE APPLICATION. IF THERE IS A SUBSEQUENT CHANGE IN THE PLUMBING SYSTEM WITHIN THE PREMISES OR OTHER CHANGE IN CIRCUMSTANCES WHICH MATERIALLY AFFECTS THE USE BY THE CUSTOMER OF THE WATER SYSTEM (MEASURED IN VOLUME OR DEMAND) OR SEWER SYSTEM (MEASURED IN VOLUME OR STRENGTH OF SEWAGE), THEN, AS A CONDITION TO THE CONTINUED USE OF THE WATER SYSTEM OR THE SEWER SYSTEM, AN UPDATED APPLICATION OR AN AMENDMENT TO THE APPLICATION ON FILE, MUST BE SUBMITTED TO THE TOWNSHIP AND ADDITIONAL RATES AND CHARGES, IF APPLICABLE, MUST BE PAID UPON THE ISSUANCE OF A NEW PERMIT TO CONNECT."

I hereby certify, as owner, that I agree to conform with all the requirements of the Gaines Township Water and Sewer Ordinance and that all information submitted on this application is accurate to the best of my knowledge; or, if not the owner, I hereby certify that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application with the understanding that I agree to conform with all the requirements of the Gaines Township Water and Sewer Ordinance and that all information submitted on this application is accurate to the best of my knowledge.

PER SECTION 601 (C.) OF THE GAINES TOWNSHIP WATER & SEWER ORDINANCE -- "ANY PERSON WHO APPLIES FOR AND RECEIVES SERVICE FROM THE SYSTEM OR OWNS REAL PROPERTY IN THE TOWNSHIP SHALL BE DEEMED TO HAVE GIVEN CONSENT FOR ALL SUCH ACTIVITIES INCLUDING ENTRANCE UPON THE PERSON'S PROPERTY."

PRINT NAME

SIGNATURE

DATE SIGNED