

### ***What is a Sewer Adjustment Meter?***

A Sewer Adjustment Meter (SAM) is a water meter attached to a waterline that registers outdoor water use. After a SAM has been installed and passes inspection, there will be no sanitary sewer charges for any water used outside of the home that is measured by the SAM.

### ***What is the process for installing a SAM?***

- Contact Gahanna's Utility Billing Division at (614) 342-4440.
- Below is the cost to purchase a SAM, Advanced Metering Infrastructure (AMI) Transmitter, and pay for an inspection.

$\frac{3}{4}$ " SAM, AMI Transmitter, and Inspection: **\$ 362.98**

1" SAM, AMI Transmitter, and Inspection: **\$ 411.40**

- If you have an irrigation system, a backflow prevention device must also be installed. This requires an [\*Application For Inspection of Plumbing\*](#) from Gahanna's Building Division.
  - The cost and details regarding this application/permit are available by contacting Gahanna's Building Division at (614) 342-4010.
- The resident is responsible for having the SAM and backflow prevention device installed on their waterline and must contact Gahanna's Utility Billing Division at (614) 342-4440 to schedule an inspection of their newly installed equipment. Gahanna's inspector will install the AMI transmitter at the time of inspection.

### ***Does it make financial sense to purchase and install a SAM?***

- It takes about 60 gallons of water to apply 1" of water to a 100 SF area.
- Gahanna's 2020 Sanitary Sewer rate is \$8.34 per 1,000 gallons.
- The cost for the  $\frac{3}{4}$ " SAM is \$362.98.

### ***Whom do I call with questions?***

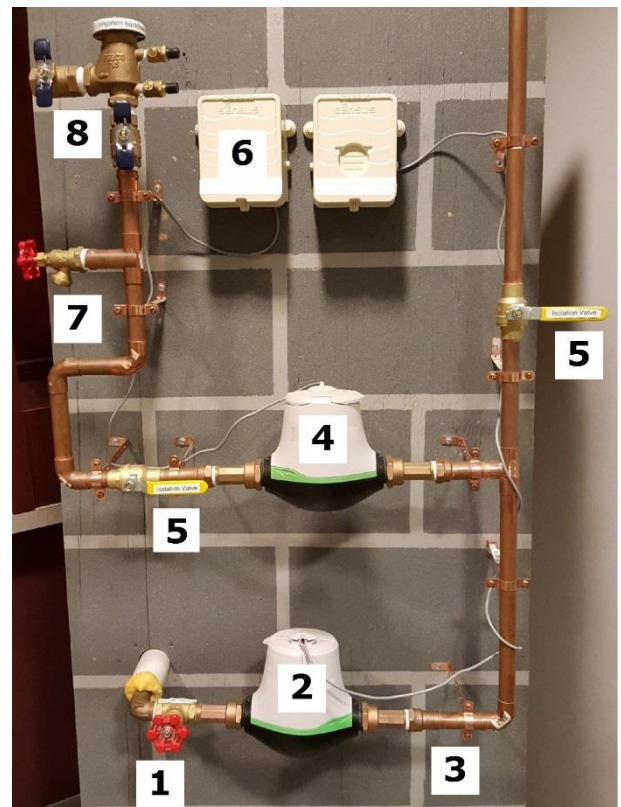
- City of Gahanna Utility Billing Division at (614) 342-4440.

## *SAM Standards – Location and Type of Meter*

- All SAMs must be Sensus iPERL brand meters.
- The meter must have a register that reads in gallon increments.
- The meter must be installed in the same accessible area as the master meter and not tilted so that it can be accessed easily for repair and inspections (see the Meter Diagram below).
- All SAMs must be installed in such a manner so that registered water does **not** enter the sanitary sewer system.
- All water going through the SAM must pass through the Master Meter first as shown in the diagram below.
- The City assumes no responsibility for the maintenance or repair of any SAM as it is a private meter. However upon request from the property owner, the City can complete repairs to the meter. The City will charge the customer for this service as defined within Section 929.17 of the Gahanna Codified Ordinances - Special Charges.

## *Meter Diagram*

1. Shutoff Valve (Inlet Valve)
  2. Master Meter
  3. Additional Requirement Depending on Current Configuration/Use: Backflow with Double Check Valve Assembly
  4. SAM
  5. Isolation Valve (Outlet Valve)
  6. AMI Transmitter
  7. Exterior Hose Bib
  8. Pressure Vacuum Breaker Backflow Device (Required for Irrigation Systems)
- The outlet side of the Master Meter shall be a minimum of 13" from the Shutoff Valve.



### ***Valves and Backflow Prevention***

- All SAMs must have a shutoff valve installed on the inlet and outlet sides of the meter (refer to the Meter Diagram for proper placement).
- All homes installing SAMs must have a hose-bib atmospheric vacuum breaker installed. Failure to have these updated devices installed will result in a failed inspection. Additional backflow devices including double check valve assemblies may be required upon inspection.
- An ASSE 1020 Backflow Device, shown as 8 in the Meter Diagram, must be installed on all irrigation systems.
- Property owners are responsible for testing all backflow devices tested annually. Annual test results must be forwarded to the City's Service Department.

### ***AMI Transmitter***

- All transmitters and their appurtenances must be installed according to the following guidelines:
  - Property owners are to install the transmitter wire from the meter to the outside of the house.
  - If there is an existing transmitter, position the wire for the new transmitter within 12" of the existing transmitter. A minimum of 4" must be maintained between the two transmitters.
  - Once the property owner installs the wire, City personnel will connect the wire to the meter and transmitter on the outside of the house.