

CITY OF WALTHAM
Engineering Department



*Robert Winn, P.E.
City Engineer*

FROM: Ian McKenzie, PE, Assistant City Engineer
DATE: April 25, 2023
RE: Non-Sewer Use Metering Guidelines

These Guidelines create a procedure for abating Sewer Use charges for water consumed that does not enter the sewer system. Sewer abatements are calculated by a separate meter approved by the Water & Sewer Division.

Non-Sewer Use Meters are **installed and maintained by the property owner**. The city will not be responsible for the repair or replacement of the customer's meter or plumbing. The new meter must be Lead-Free and bronze bodied, and must be a potable cold water meter. The register head must have a large odometer-type display or digital screen and must read in **100 cubic feet**, with six odometer wheel registration capabilities of 1,000,000 cubic feet, with a permanently sealed, magnetic drive with low flow indicator.

The property owner is also responsible for furnishing, installing and maintaining a touchpad reader within 12 inches of the main meter touchpad reader and associated wiring. The touchpad must be a Sensus TouchRead brand touchpad or approved equal and the touchpad must be compatible with the City's Sensus TouchRead equipment. In the case where the customer is a monthly read account on the AMR (Automatic Meter Reading) system, contact the Water Billing office to schedule the inspection and **as well as the installation of an MTU (Meter Transmission Unit) device**. A touchpad would not be required in this instance. Note that there is a fee for irrigation meter MTU installation.

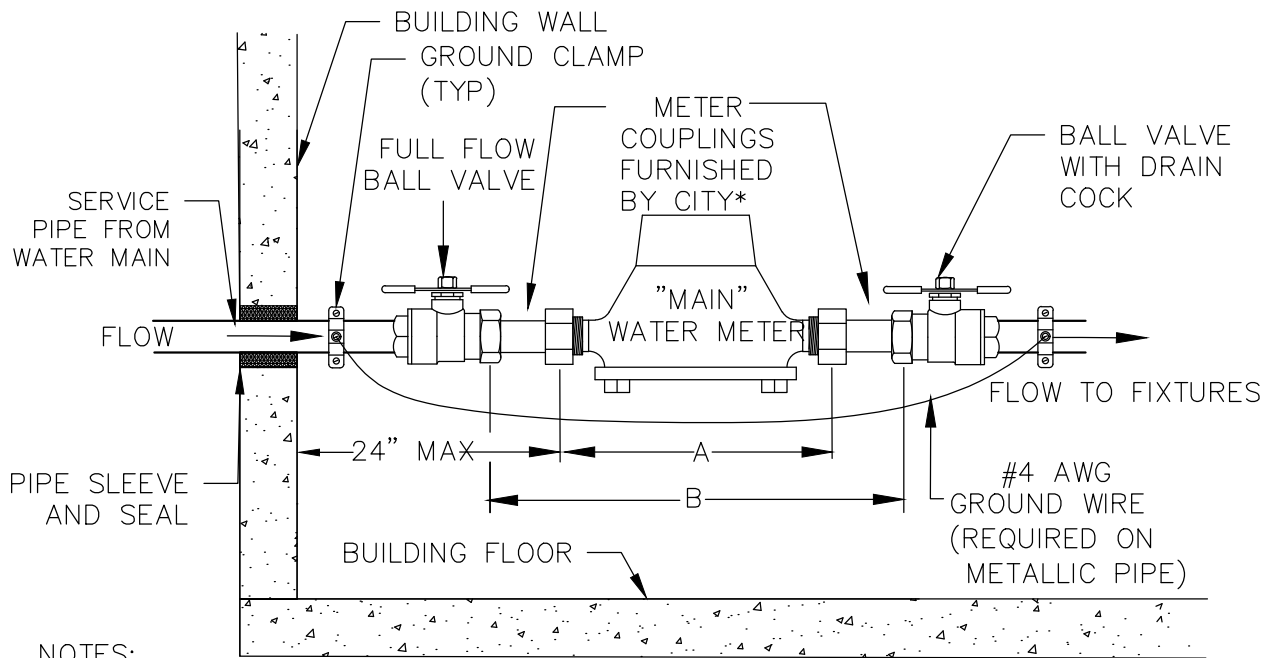
A licensed plumber will complete the installation as detailed below;

1. Obtain a Plumbing Permit from the Building Department, 119 School Street, (781) 314-3275
2. Plumber Installs meter in accordance with Plumbing Code and Water & Sewer Division Standard Details (see attached diagrams).
3. Work is inspected by the Plumbing Inspector.
4. **Notify the Water & Sewer Division at (781) 314-3810 for a separate final inspection and initial read of the Non-Sewer Use Meter. NO credit shall be applied to a bill for any water flow through the Non-Sewer Use Meter prior to inspection by the Water & Sewer Division.**

If a meter installation is found to be tampered with or altered after the initial inspection at any time, all credits will be null and void, and the property owner(s) will be charged for sewer use on all water passing through the main meter. In addition, they may be prosecuted under M.G.L. Chapter 165, Section 11.

The Non-Sewer Use Meter is scheduled to be read when the main meter is read and the customer is given a sewer credit for the amount of water registered on the Non-Sewer Use Meter on the corresponding bill.

For more information, please call the Water Billing Office at (781) 314-3810.

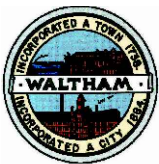


NOTES;

METER COUPLINGS ONLY FURNISHED BY CITY FOR MAIN METER. ALL FITTINGS FOR NON-SEWER USE METERS ARE TO BE FURNISHED BY PROPERTY OWNER

DIMENSIONS			
METER SIZE	METER LENGTH "A"	APPROX. CLEAR OPENING "B"	MIN. CLEAR METER TO WALL
5/8" x 3/4"	7 1/2"	13" +/-	6"
3/4"	9"	15" +/-	6"
1"	10 3/4"	17" +/-	8"

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CITY OF WALTHAM, MA
ENGINEERING DEPARTMENT

STANDARD DETAILS

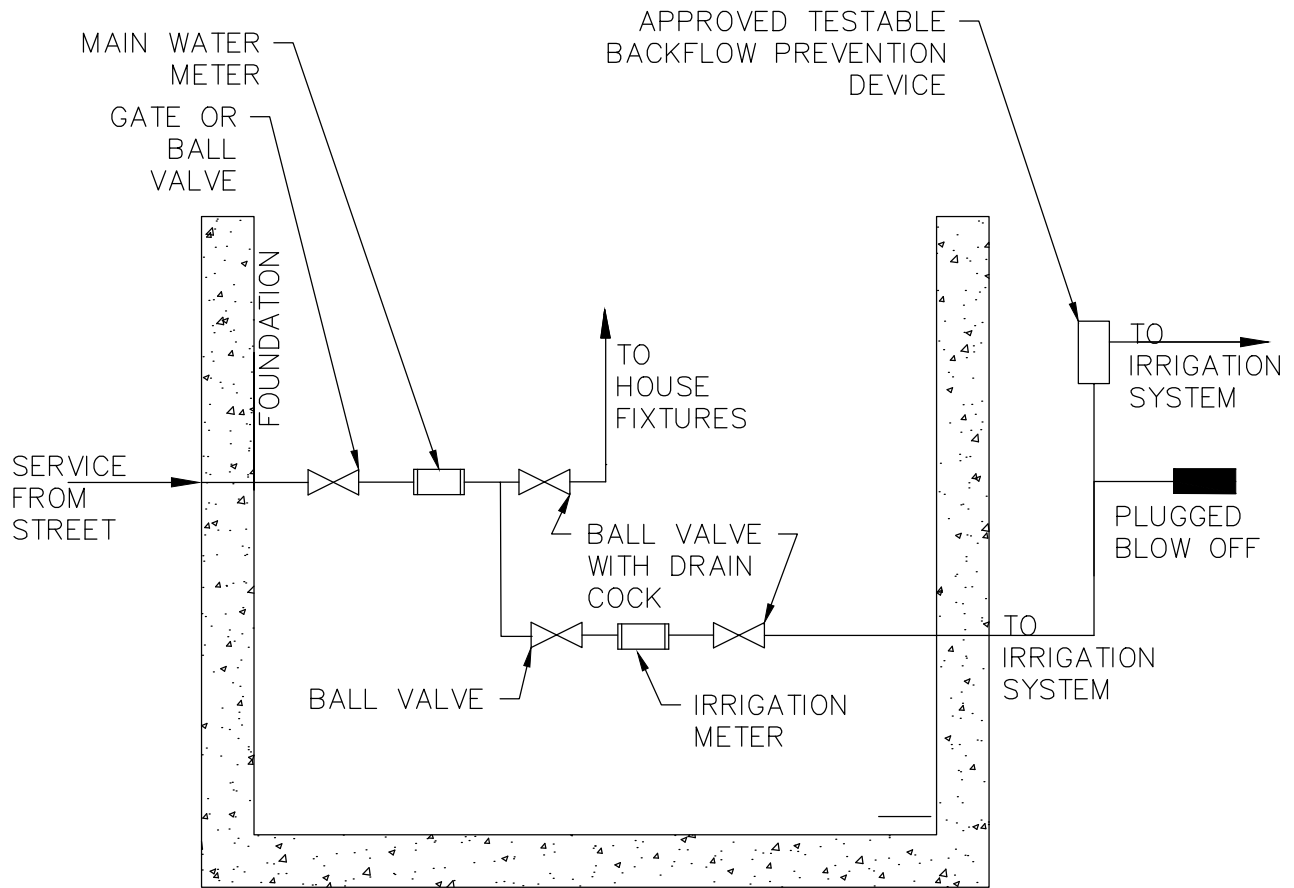
DETAIL NO:
DR.3

WATER

SCALE:
N.T.S.

TYPICAL METER
INSTALLATION DETAIL

REV. DATE:
MAY 2017



NOTES

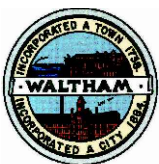
1. Backflow Prevention Device Requirements;

Atmospheric Vacuum Breakers – For applications where the backflow device is not under continuous pressure, the bottom of the device must be located a minimum of 6 inches above the highest sprinkler head or outlet

Pressure Vacuum Breakers – For applications where the backflow device is under continuous pressure, the bottom of the device must be located a minimum of 12 inches above the highest sprinkler head or outlet.

Reduced Pressure Zone Backflow Preventer – For applications where backpressure from pumps or chemical feeders may exist or where the minimum height allowances noted above for vacuum breakers are not obtainable.

DWG FILE: S:\Standard Details\Details\IRRIGATION METER LAYOUT.dwg



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STANDARD DETAILS

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TYPICAL IRRIGATION METER
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REV. DATE:
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