



Department of Public Works
Water Billing Division
365 Boston Road, G11
Billerica, MA 01821

Abdul Alkhatib, Director

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REQUIREMENTS FOR SECONDARY WATER METER INSTALLATION

General Requirements (All meters)

- 1) All service lines must be metered before water will be turned on by the Water Department. The only exception will be dedicated lines servicing fire sprinkler systems.
- 2) Solder connections are not allowed until after the primary meter effluent tail fitting.
- 3) Backflow devices and pressure regulating equipment will not be allowed before the meter effluent valve.
- 4) All meters must be compatible with the Town's existing meter system.
- 5) All meters must read in cubic feet.
- 6) **All endpoints will be installed outside** (at least 3' high), or if not possible at least in the rafters of the basement. In cases of multiple endpoints, all endpoints will be grouped together on the outside of the building.
- 7) All meters will be installed horizontally.
- 8) The meter will be at least one foot (1') off the floor but not more than four feet (4'). Clearance to the wall will be no less than four inches (4").
- 9) There must be a valve before and after the meter, ball valves may be used.
- 10) All meters must be physically accessible within the building.
- 11) Pit installations and garage installations will **not** be allowed.
- 12) The Water Division will determine the size meter to be used.

Sealing of Meters

When the installation on the meter(s) has been completed, contact the following:

- 1) Plumbing Inspector for the inspection of plumbing: 978-671-0959.
- 2) Water Billing office for seal/inspect/activate of the meter. 978-671-1313 x4

Primary Meter

- 1) Must have an electrical bypass with a minimum gauge of number 6 copper wire.
- 2) Must be located as close as practical to the point where the services lines enters the building

Secondary Meter

The sewer use charge is based on water consumption as measured by the primary meter. In order to obtain an abatement for non-sewered use of water (lawn sprinklers, etc.) the customer is required to meter at his or her own expense that fraction of water use which is not discharged to the sewer system. All such secondary meters will be installed and maintained at the customer's expense.

- 1) You must make your own arrangements with a licensed plumber for the installation of a town approved meter. Both your primary and secondary meter must be up to code and equipped with an endpoint device. The water passing through the secondary meter must have previously passed through the primary meter. The secondary meter may not be soldered to its fittings. The pipe from the secondary meter to the un-sewered use may not be obscured by walls, etc. (Must be able to see all the plumbing after the secondary meter).
- 2) A plumbing permit must be pulled prior to installation and may be obtained at the Town of Billerica Building Department; 978-671-0959.
- 3) There will be only one secondary meter allowed per each primary meter.

Meter system currently in use Badger HRE-LCD with a cellular endpoint.

STANDARD ENDPOINT INSTALLATION WITH A SECONDARY METER

Note: the outside readers must be easily accessible

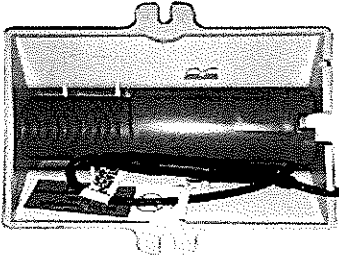
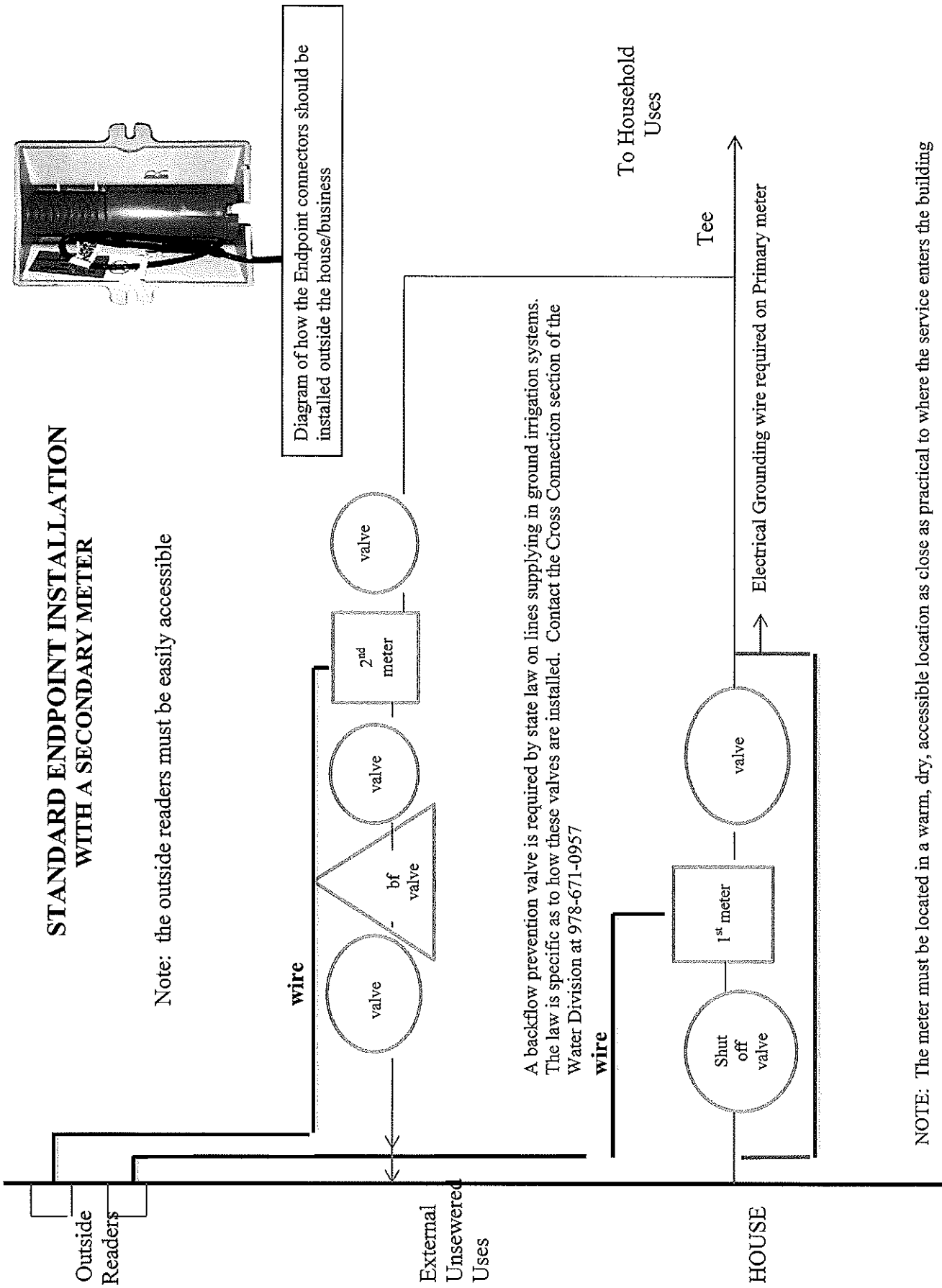


Diagram of how the Endpoint connectors should be installed outside the house/business



A backflow prevention valve is required by state law on lines supplying in ground irrigation systems. The law is specific as to how these valves are installed. Contact the Cross Connection section of the Water Division at 978-671-0957

NOTE: The meter must be located in a warm, dry, accessible location as close as practical to where the service enters the building