



**DEDUCT METER APPLICATION**  
**Harwich Water & Wastewater Department**  
 196 Chatham Road, Harwich MA 02645  
 P: 508-432-0304 | [water@harwich-ma.gov](mailto:water@harwich-ma.gov)

Owner Name: \_\_\_\_\_ Owner Phone: \_\_\_\_\_  
 Street Address: \_\_\_\_\_ Owner Email: \_\_\_\_\_

- I elect to install an irrigation/sewer deduct meter and contact HWD for an inspection within **10 business days of the date listed on this application**. I understand there will be two (2) water meters at the property; one meter will register all water entering the property and the second will capture only outdoor usage not contributing flow to my active sewer system. Outdoor usage captured by the second meter will NOT be subject to sewer usage fees.
- I understand that outdoor fixtures NOT contributing water to the sewer system may be connected to the deduct meter supply line. This includes irrigation systems, outdoor spigots, and outdoor showers not connected to sewer system. All devices and fixtures connected to the deduct meter MUST be completely isolated from the domestic water supply line.
- All cross connections must be eliminated, and a backflow prevention device must be installed on the irrigation system BEFORE the deduct meter is installed and remain in compliance with MassDEP Regulations 310 CMR 22.22.
- I understand the backflow prevention device will be automatically enrolled in the Department Backflow Program and be active for testing by Department designees **annually no later than June 1st**.
- I understand that the deduct meter, installation (**see diagram**), plumbing modifications, and testing requirements shall be at my expense and conform to all applicable plumbing codes and town regulations.

Backflow Testing Costs: Annual Backflow Test **\$70.00** / Failure Retest **\$45.00**

Meter Costs:  **5/8" Meter (20 GPM) \$445.41**

I have read and agree to the terms presented and, I am aware that costs and terms are subject to change.

**OWNER SIGNATURE:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

Plumber Name: \_\_\_\_\_ Submittal Date: \_\_\_\_\_

Plumber Phone: \_\_\_\_\_ Plumber License #: \_\_\_\_\_

Backflow Device Information: Type:  RPZ  DC  PVB

Make: \_\_\_\_\_ Model: \_\_\_\_\_ Serial: \_\_\_\_\_ Size: \_\_\_\_\_

- I will check that all cross connections are eliminated, and a backflow prevention device is installed on the irrigation system BEFORE the deduct meter is installed and remain in compliance with MassDEP Regulations 310 CMR 22.22.
- I will install the deduct meter at the property listed on this application **within 10 business days** of the date on this application, in accordance with all plumbing codes, regulations **and the diagram provided**.
- I will contact HWD at (508) 432-0304 to schedule an inspection upon installation.**

**PLUMBER SIGNATURE:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**OFFICE USE**

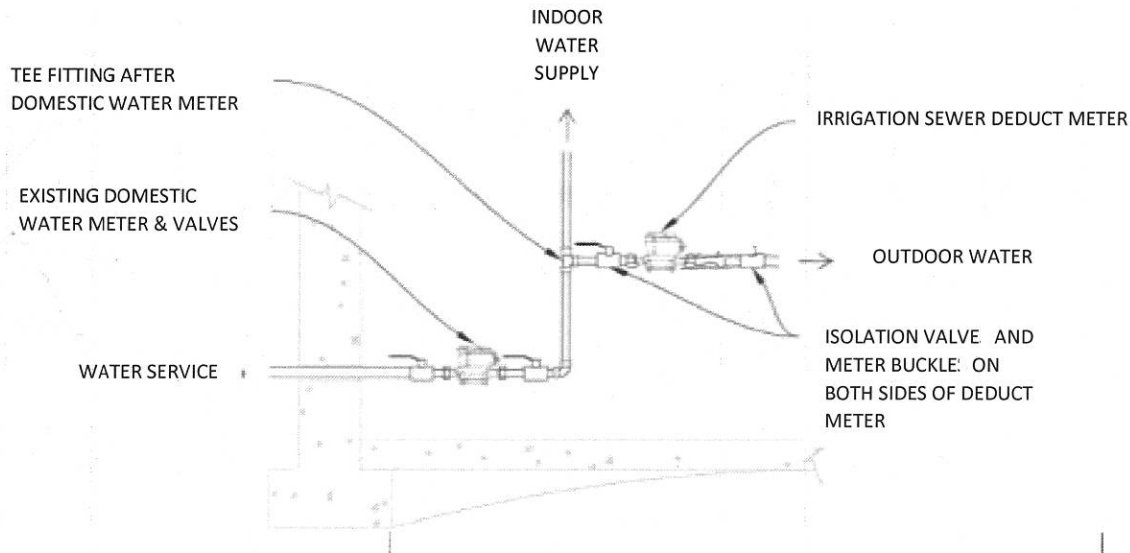
Serial ID Label:	Radio ID Label	Water Acct #
		Approval / Date

**Primary Meter:** The primary meter is the meter through which all water to the account flows and is measured. The primary meter is used to calculate the total water and, if applicable, wastewater charges for a defined billing period.

**Deduct Meter:** The deduct meter is located after the primary meter and meters water that has been measured by the Primary Meter and does not enter the municipal wastewater system. Water measured by the deduct meter is deducted from the total water measured by the Primary Meter to calculate the net sewer charge.

## Backflow Prevention & Cross Connection

### What is a cross-connection?



A cross-connection occurs whenever the drinking water supply is or could be in contact with potential sources of pollution or contamination. Cross-connections exist in piping arrangements or equipment that allows the drinking water to come in contact with a pollutant in the event of a backflow.

### What is a backflow?

Backflow is the reverse of the water flow in the drinking water distribution lines. This backward flow of water can occur when the pressure created by an irrigation system or home equipment such as a boiler or air-conditioning is higher than the water pressure inside the water distribution line (backpressure), or when the pressure in the distribution line drops due to routine occurrences such as water main breaks or heavy water demand causing the water to flow backward inside the water distribution system (backsiphonage). Every water customer has a responsibility to help prevent backflow.

### What can I do to help prevent a cross-connection?

Without the proper protection, something as simple as a garden hose has the potential to contaminate or pollute the drinking water lines in your house. There are simple steps you can take to prevent such hazards:

- **NEVER** submerge a hose in soapy water buckets, pet watering containers, pool, tubs, sinks, drains or chemicals.
- **NEVER** attached a hose to a garden sprayer without the proper backflow preventer.
- Install a hose bib vacuum breaker in any threaded water fixture.
- Identify and be aware of potential cross-connections to your water line.
- Purchase appliances and equipment with a backflow preventer
- Install backflow prevention devices or assemblies for all high and moderate hazard connections such as boilers and irrigation devices.

If you believe a cross-connection exists at your property, have your plumbing system surveyed for cross-connections. For more information, contact the Harwich Water Department at 508-432-0304.

# ATTENTION!

In Harwich, Deduct Meters must be installed within the plumbing **AFTER** the main water meter!!

**All water entering a property is to run directly through the main water meter first!!**

**DO NOT** cut into the plumbing before the main meter to create a separate line for irrigation!!

