



*Town of Rotterdam  
Department of Public Works  
1100 Sunrise Boulevard  
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## RESIDENTIAL WATER METER INSTALLATION

### 1. APPROVED WATER METER

All residential units need to have water meters and be equipped with a Neptune MACH 10 Ultrasonic Water Meter (5/8" x 3/4", 3/4" Full Port, or 1") with Neptune Cellular radio or approved equal. No substitutions permitted without written municipal approval. Each water meter shall be factory-tested and certified to meet or exceed accuracy requirements in accordance with applicable AWWA Standards. Refer to the attached technical specifications for additional information. All units of measurement shall be gallons per minute (English units). The meter is to include sensor for pressure monitoring. Documentation verifying testing and performance compliance shall be provided to the Town as part of the approval process.

### 2. HORIZONTAL INSTALLATION (PREFERRED)

Meters shall be installed horizontally with the register facing upward. Flow direction must follow the arrow indicated on the meter body.

#### a. Installation Sequence (Plan View) is as follows:

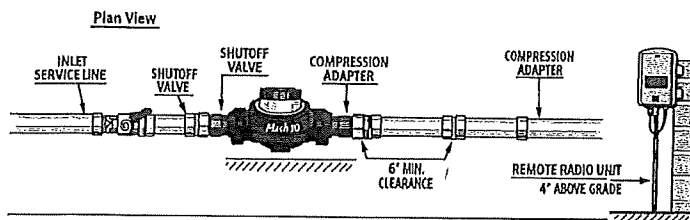
- Incoming Service Line
- Full-Port Ball Valve (Main Shutoff)
- Inlet Meter Tailpiece with integrated ball valve
- Neptune MACH 10 Meter
- Outlet Meter Tailpiece
- Downstream Building Distribution Piping

#### b. Minimum Clearances:

- 6 inches minimum below meter
- 3 inches side clearance
- Adequate overhead clearance for servicing

## RESIDENTIAL WATER METER INSTALLATION DETAILS

### HORIZONTAL INSTALLATION (PREFERRED)



#### STANDARD NOTES:

1. INSTALL METER IN HORIZONTAL OR UPWARD FLOW POSITION ONLY.
2. USE STAINLESS STEEL INSERTS WITH PLASTIC CTS PIPE.
3. SUPPORT PIPING TO PREVENT STRAIN ON METER.
4. MAINTAIN 4" MOUNTING HEIGHT FOR REMOTE RADIO UNIT.
5. INTERIOR RADIO INSTALLATION REQUIRES TOWN APPROVAL.
6. INSTALLATION MUST CONFORM TO MUNICIPAL SPECIFICATIONS.

### VERTICAL INSTALLATION (UPWARD FLOW ONLY)

