


NOTES ON T-1107.04-2 SHEET 2  
ARE INTERGRAL PART OF THIS  
DRAWING


All dimensions are in millimetres unless otherwise shown.

	ENGINEERING & CONSTRUCTION SERVICES STANDARD DRAWING		REV 3	SEP 2018
	<b>INSTALLATION DETAILS FOR 16 mm AND 25 mm POSITIVE DISPLACEMENT WATER METER IN SINGLE FAMILY RESIDENTIAL BUILDINGS</b>			
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Notes :

1. All water meters shall be installed in the horizontal position. The water meter must be installed within 500 mm of the point on the floor or wall where the private water service pipe enters the building.
2. Water meters shall be installed with a minimum one metre unobstructed clearance in front of water meter to nearest wall and 200 mm unobstructed clearance behind the water meter to nearest wall. Water meters shall not be installed at a height greater than 400 mm above the floor.
3. The working space in front of the meter shall have a minimum of 2 m unobstructed head clearance.
4. All joints shall be soldered, threaded or welded. Victaulic couplings is not permitted. Acid core type solder not permitted. Connectors of diameter up to 25 mm shall be Cambridge Brass or approved equivalent.
5. All piping, tees, bends and valves, shall be the same diameter as the private water service pipe.
6. The water meter shall be sealed by the City.
7. Only gate and full bore ball valves shall be permitted for the stop and waste valve. A full bore ball valve shall be installed downstream of the water meter.
8. All piping shall be either type "L" copper (certified to ASTM B88) or stainless steel pipe rated to a minimum working pressure of 1035 kPa. Galvanized, polyethylene, PVC and other plastic pipe and fittings shall not be allowed.
9. No other fittings or connections shall be allowed upstream of the ball valve. All check valves, backflow preventers, pressure reducing valves or other devices shall be located downstream of the ball valve.
10. All water meter installations shall conform with the manufacturer's installation instructions.
11. Solder-joint fittings for copper pipe shall conform to ANSI B16. Valves shall be designed for a minimum cold water working pressure of 1035 kPa and shall conform to CSA B125.
12. Any insulation placed on or around any water meter shall be easily removable and replaceable and shall not contain asbestos or any other toxic or hazardous materials. Such insulation shall not cover or obstruct the water meter register. Insulation shall be installed after final inspection. The City shall not be responsible for any damage to such insulation during any removal or replacement of such insulation.
13. The room where the water meter is located shall be positioned in the building such that it is adjacent to the outside wall of the building at the point where the private water service pipe enters the building.
14. The room where the water meter is located shall have a door with a minimum opening of 0.8 m wide and 2.2 m high. The floor shall be constructed of waterproof materials. The walls and ceiling shall be constructed of water resistant materials.
15. The private water service pipe shall be flushed prior to and after the installation of the water meter.
16. For remote readout device wire and conduit installation, refer to City of Toronto specifications.
17. When non-metallic pipe is used for the private water service pipe and / or private water pipe downstream of the meter, the section of pipe between the stop and waste valve and full bore ball valve shall be as per note 8 above and shall be fully supported and restrained to prevent movement of the piping around the meter.

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