



THE CITY OF WINNIPEG
WATER & WASTE DEPARTMENT

Reference Spec. No.

INSTALLATION DETAILS FOR
 POSITIVE DISPLACEMENT AND
 NON-MECHANICAL TYPE WATER METER
 IN BUILDINGS
 50mm DOMESTIC SERVICE PIPE

Designed By:
 JCE

Drawn By:
 TV

Scale:
 N.T.S.

Checked By:
 WATER BY-LAW
 COMMITTEE

Date: 2016-03-16
Revision: 11

Drawing No.

Approved:
 WATER BY-LAW COMMITTEE

SD-027D (1 of 2)

**INSTALLATION DETAILS FOR
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 NON-MECHANICAL TYPE WATER METER
 IN BUILDINGS
 50mm DOMESTIC SERVICE PIPE**

METER SIZE	A (mm)
50mm (2")	432

NOTES:

- 1) THE SERVICE PIPE MUST ENTER A BUILDING A MINIMUM OF 300mm AND A MAXIMUM OF 1000mm FROM THE EXTERIOR WALL
- 2) PIPE SUPPORT / ANCHORING MUST BE PROVIDED TO MAINTAIN PIPE ALIGNMENT AND TO SUPPORT THE WEIGHT OF THE PIPE, METER AND RELATED COMPONENTS
- 3) METERS MUST BE INSTALLED IN A HORIZONTAL POSITION
- 4) 50mm METERS ARE FLANGED - FLANGES WILL BE SUPPLIED BY THE WATER AND WASTE DEPARTMENT. METER LENGTH IS SHOWN ON DRAWING
- 5) THE INLET AND OUTLET VALVE MUST BE FULL PORT GATE OR BALL VALVES
- 6) NO CONNECTIONS ARE PERMITTED UPSTREAM OF THE WATER METER
- 7) THE BY-PASS VALVE(S) MUST REMAIN CLOSED AT ALL TIMES AND MUST BE SEALED CLOSED BY THE WATER AND WASTE DEPARTMENT
- 8) APPROVED BACKFLOW PREVENTION DEVICE, AS REQUIRED, IN ACCORDANCE WITH THE NATIONAL PLUMBING CODE (SPECIFIC HEIGHT REQUIREMENTS EXIST FOR BACKFLOW DEVICES WHICH DIFFER FROM THOSE SHOWN ON DRAWING)
- 9) WATER METERS MUST NOT BE INSTALLED IN CONFINED SPACES (EG. CRAWL SPACES). WHERE A SERVICE PIPE ENTERS A CONFINED SPACE THE WATER METER MUST BE INSTALLED IN THE IMMEDIATE ADJACENT SPACE INTENDED FOR CONTINUOUS OCCUPANCY. ALL WATER SERVICE PIPE ENTERING THE BUILDING TO THE WATER METER MUST BE CLEARLY VISIBLE FROM THE WATER METER WITHOUT ENTRY TO THE CONFINED SPACE (EG. ACCESS DOOR)

RECOMMENDATIONS:

- 1) METER TO BE INSTALLED IN CLOSE PROXIMITY TO FLOOR DRAIN ON AN UNFINISHED FLOOR
- 2) PROVIDING UNOBSTRUCTED SPACE OF 1000mm WIDE BY 1000mm DEEP BY 2000mm HIGH, CENTERED IN FRONT OF THE WATER METER, WILL BE DEEMED COMPLIANT WITH THE ACCESS REQUIREMENTS OF THE WATER BY-LAW
- 3) THE INSTALLATION OF A CONTROL VALVE AS SHOWN (PRIOR TO THE INLET AND BY-PASS VALVE) IS RECOMMENDED. THE SINGLE VALVE ALLOWS FOR THE WATER TO BE TURNED OFF IN THE EVENT OF AN EMERGENCY



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