



**THE CITY OF WINNIPEG**  
**WATER & WASTE DEPARTMENT**

Reference Spec. No.

T-1107.03-1

**SPECIFICATIONS FOR**  
 MULTIPLE METERS (METER BANK)  
 WITH OR WITHOUT FIRE PROTECTION SYSTEM  
 16mm TO 25mm WATER METERS IN BUILDINGS

**Designed By:**  
 JCE

**Drawn By:**  
 TV

**Scale:**  
 N.T.S.

**Checked By:**  
 WATER BY-LAW  
 COMMITTEE

**Date:** 2016-03-16  
**Revision:** 10

**Drawing No.**

**Approved:**  
 WATER BY-LAW COMMITTEE

SD-027F (1 of 2)

# INSTALLATION DETAILS FOR

## MULTIPLE METERING (METER BANK) 16mm TO 25mm WATER METERS IN BUILDINGS WITH OR WITHOUT FIRE PROTECTION SYSTEM

PIPE SIZE	A (mm)
16mm (5/8")	318
20mm (3/4")	362
25mm (1")	413

### NOTES:

- 1) AN APPROVED APPLICATION FOR MULTIPLE METERING IS REQUIRED PRIOR TO ANY METER BANK INSTALLATION. CALL 311 TO MAKE AN APPLICATION
- 2) PIPE SUPPORT / ANCHORING MUST BE PROVIDED TO MAINTAIN PIPE ALIGNMENT AND TO SUPPORT THE WEIGHT OF THE PIPE, METER AND RELATED COMPONENTS
- 3) THE CONTROL VALVE AND ALL INLET AND OUTLET VALVES MUST BE FULL PORT GATE OR BALL VALVES
- 4) INLET AND OUTLET VALVES ARE REQUIRED FOR EACH METER SETTING
- 5) METERS MUST BE INSTALLED IN A HORIZONTAL POSITION
- 6) COPPER TO FEMALE IRON PIPE THREAD ADAPTORS MUST BE SUPPLIED TO ACCOMMODATE METER TAILPIECES
- 7) METER SIZE TO BE DETERMINED BY THE WATER AND WASTE DEPARTMENT
- 8) APPROVED BACKFLOW PREVENTION DEVICE REQUIRED ON ALL MULTIPLE METERING INSTALLATIONS, TO BE INSTALLED ON THE INLET SIDE OF THE METER BANK
- 9) NO CONNECTIONS ARE PERMITTED BEFORE THE WATER METERS OTHER THAN APPROVED BACKFLOW PREVENTION DEVICES
- 10) APPROVED BACKFLOW PREVENTION DEVICE MAY BE REQUIRED ON AN INDIVIDUAL METERED BRANCH IF SUPPLYING A MODERATE OR SEVERE TENANT SPACE (INCREASED RISK OF WATER CONTAMINATION)
- 11) ALL VALVES ON FIRE PROTECTION SYSTEMS MUST MEET CURRENT FIRE CODES AND REGULATIONS
- 12) EACH SUBDIVISION PIPE LINE IS CLEARLY MARKED (NEXT TO METER LOCATION) WITH THE BILLING ADDRESS TO THE WATER ACCOUNT SUPPLIED BY THAT PIPE LINE
- 13) 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) METERS ARE TO BE INSTALLED IN MECHANICAL ROOMS IN CLOSE PROXIMITY TO A 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) THERMAL EXPANSION MUST BE CONSIDERED WHEN BACKFLOW DEVICES ARE INSTALLED



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