

16/17

METER SPACER LENGTH	'A'
15mm - (5/8")	190mm
20mm - (3/4")	229mm
25mm - (1")	273mm

17

EXPANSION TANK  
(APPROPRIATE THERMAL EXPANSION  
TANK DEVICE AS PER NPC 2.6.1.11)

13

DOUBLE CHECK VALVE  
ASSEMBLY LOCATION

13

FOR 12 OR MORE SERVICES  
REFER TO ALTERNATE PARALLEL  
DOUBLE CHECK VALVE  
ASSEMBLY REQUIREMENT  
(SEE SHEET 27 - 453.1026.001)

ALTERNATE PRV LOCATION

COUPLING UNION

MASTER CONTROL VALVE

FLOOR LEVEL

FLOOR  
DRAIN

#### METER SETTING REQUIREMENTS


PROVIDE 300mm WORKING CLEARANCE IN FRONT  
OF AND ON BOTH SIDES OF THE METER TO PERMIT  
INSTALLATION AND SERVICING. TOP OF HIGHEST  
METER TO BE MAXIMUM OF 1.6m FROM FLOOR.

#### NOTES:

1. PIPING MUST BE ADEQUATELY SUPPORTED TO THE SATISFACTION OF THE WATERWORKS METER SECTION.
2. ALL METERS LARGER THAN 25mm (1") MUST BE HORIZONTAL AND A MINIMUM OF 300mm FROM WALL.
3. MINIMUM DISTANCE OF 300mm BETWEEN ANY WALL OR FLOOR AND A METER OR METER TREE.
4. VALVES ARE REQUIRED ADJACENT TO METERS (INLET AND OUTLET SIDE).
5. ALTERNATE ARRANGEMENT OF PIPING AND VALVING MUST HAVE THE APPROVAL OF THE WATERWORKS METER SECTION PRIOR TO INSTALLATION.
6. THE AREA FOR 600mm IN FRONT OF THE METER SHALL BE FREE OF OBSTRUCTION TO ALLOW FOR CONVENIENT READING AND SERVICING OF THE METER. 2 METER HEADROOM MUST BE PROVIDED IN THIS AREA.
7. METERS MUST BE INSTALLED IN THE MECHANICAL ROOM AND WITHIN REASONABLE DISTANCE OF A FLOOR DRAIN. IN NO CASE SHALL A METER BE INSTALLED IN A BATHROOM, BEDROOM, CRAWL SPACE, GARAGE OR UNDER A STAIRWELL. METER LOCATIONS MUST BE APPROVED BY WATERWORKS.
8. METER SPACERS WILL BE SUPPLIED BY CITY OF CALGARY (FOR USE WITHIN CITY LIMITS ONLY) PHONE 311.
9. ALL FITTINGS AND PIPE ARE TO BE BRASS, SOLDERED COPPER, PEX OR APPROVED ALTERNATE, EXCEPT WHERE NOTED.
10. SERVICE VALVES, MAIN VALVES OR ANY OTHER CITY OWNED WATERWORKS APPURTENANCES SHALL BE OPERATED BY WATER SERVICES PERSONNEL ONLY.
11. THE MASTER CONTROL VALVE AND THE INLET AND OUTLET VALVE FOR EACH METER SETTING SHALL BE A FULL PORT GATE VALVE OR BALL VALVE AND SHALL CONFORM TO THE NATIONAL PLUMBING CODE OF CANADA (FOR INQUIRIES CALL 311 TO CONTACT PLUMBING & GAS SAFETY CODES OFFICER).
12. AN APPROVED PREMISES-ISOLATING CROSS CONNECTION CONTROL DEVICE SHALL BE INSTALLED IMMEDIATELY AFTER THE WATER METER OUTLET VALVE ON ALL MULTI FAMILY RESIDENTIAL SERVICES (4 UNITS OR MORE). SEE SKETCH FOR ALTERNATE LOCATION. FOR INQUIRY CALL 311.
13. AN APPROVED PREMISES-ISOLATING CROSS CONNECTION CONTROL DEVICE SHALL BE INSTALLED IMMEDIATELY AFTER THE WATER METER OUTLET VALVE ON ALL IRRIGATION SERVICES.
14. WATER CONNECTIONS (IE, DRAIN DOWN VALVE OR HOSE BIBB ETC.) SHALL NOT BE PERMITTED BEFORE THE APPROVED CROSS CONNECTION CONTROL DEVICE. FOR INQUIRY CALL 311.
15. METERS ARE SIZED ONE PIPE SIZE SMALLER THAN THE DIAMETER OF SERVICE PIPE INSTALLED UNLESS OTHERWISE SUPPORTED BY DESIGN CALCULATIONS.

DIMENSIONS ARE IN MILLIMETRES  
UNLESS OTHERWISE NOTED

18	2018/04/10	METER SETTING REQUIREMENT NOTE ADDED	B.N.
17	2017/12/27	REVISED TABLE AND TITLE BLOCK, MODIFIED DETAIL	B.N.
16	2017/03/10	REVISED TABLE, NOTE AND REMOVED 100mm DIMENSION	B.N.
15	2017/02/07	ADDED DIMENSIONS & REVISED NOTES	B.N.
14	2015/12/16	REVISED TITLE BLOCK	B.N.
13	2015/11/19	REVISED DRAWING AND NOTE No. 12	B.N.
No.	Date	Revision	App'd

Date	2002/10/16
Scale	N.T.S.
Approved by	
for The City of Calgary	

WATERWORKS CONSTRUCTION
FOR 4 OR MORE SERVICES
TYPICAL RESIDENTIAL
BANK METERING
SIZE 15mm, 20mm & 25mm

Sheet	30B
File Number	453.1009.007pt2

ISC: Unrestricted