



IMPORTANT NOTICE: MASTER CONTROL VALVE MUST BEAR VALID "INSPECTION SERVICES WATER APPROVAL" TAG FOR WATER METER INSTALLATION TO PROCEED.

NOTES:

- THE SPACE ABOVE, 600mm BEHIND, AND THE ACCESS IN FRONT OF THE METER SETTING SHALL BE CLEAR AND FREE OF OBSTRUCTION. 2m HEADROOM MUST BE PROVIDED IN THIS AREA. PROVIDE ADEQUATE PIPE SUPPORT.
- THE BY-PASS, INLET AND OUTLET VALVES SHALL BE A RESILIENT SEATED RISING SPINDLE (OS & Y) FLANGED GATE VALVE, CSA APPROVED.
- THE MASTER CONTROL VALVE SHALL BE ONE OF THE FOLLOWING :
 - RESILIENT SEATED RISING SPINDLE (OS & Y) FLANGED GATE VALVE (UL OR ULC LISTED) FOR FIRE LINES AND CSA APPROVED FOR DOMESTIC LINES.
 - SHORT-BODY, RUBBER SEATED FLANGED OR LUG WATER TYPE BUTTERFLY VALVE C/W HAND WHEEL, REDUCTION GEAR OPERATOR, POSITION INDICATOR (UL OR ULC LISTED) PROVIDED THEY ARE NOT IN A SUCTION LINE FOR FIRE PUMP(S).
- ENTRANCE PIPE MATERIAL THROUGH THE OUTSIDE WALL AND THROUGH THE FLOOR SHALL BE DUCTILE IRON PIPE AWWA C151 (LATEST EDITION) CLASS 52 OR APPROVED EQUAL. BURIED FITTINGS (90° ELBOW) SHALL BE CAST OR DUCTILE IRON CONFORMING TO AWWA C110 (LATEST EDITION) OR APPROVED EQUAL. SERVICE ENTRIES THROUGH THE FLOOR (INCLUDING ANCHOR DETAILS) SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER AND DETAILED ON THE MECHANICAL SITE PLAN. (ANCHOR RODS SHALL BE 18-8 STAINLESS STEEL, WHERE A STANDARD 3m LENGTH OF ROD REQUIRES EXTENSION, AN APPROVED STAINLESS HEXAGON NUT COUPLING SHALL BE INSTALLED AT THE UPPER END OF THE ROD).
- WATERWORKS WILL NOT TURN ON WATER UNLESS ANCHOR DETAILS HAVE BEEN INSPECTED BY THE WATERWORKS INSPECTOR PRIOR TO PLACEMENT OF CONCRETE AND/OR BACKFILL.
- PIPING MATERIAL FOR THE METER AND BY-PASS ASSEMBLY SHALL BE COPPER, STAINLESS STEEL OR PVC CONFORMING TO THE PLUMBING CODE.
- AN APPROVED PREMISE ISOLATING CROSS CONNECTION DEVICE SHALL BE INSTALLED IMMEDIATELY AFTER THE WATER METER SETTING ON ALL COMMERCIAL, INDUSTRIAL AND MULTI FAMILY RESIDENTIAL (3 UNITS OR MORE) SERVICES.
FOR DOMESTIC SERVICES THAT REQUIRE A 24 HOUR UNINTERRUPTED WATER SUPPLY, A PARALLEL CROSS CONNECTION CONTROL DEVICE ARRANGEMENT (SEE SHEET No. 27) MUST BE INSTALLED TO FACILITATE ANNUAL TESTING & ROUTINE MAINTENANCE OF THE CROSS CONNECTION CONTROL DEVICE(S).
- BY-PASS IS NOT REQUIRED FOR IRRIGATION METERS. THE BY PASS PIPE SHALL BE THE SAME SIZE AS THE MAIN PIPE.
- THE BY-PASS VALVE SHALL BE INSTALLED ON THE VERTICAL PIPE SECTION AS SHOWN.
- 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.
- AN APPROVED PREMISES-ISOLATING CROSS CONNECTION CONTROL DEVICE SHALL BE INSTALLED IMMEDIATELY AFTER THE WATER METER OUTLET VALVE ON ALL IRRIGATION SERVICES.
- METERS MUST BE INSTALLED IN A METER/MECHANICAL ROOM WITHIN REASONABLE DISTANCE OF A FLOOR DRAIN. METER LOCATIONS MUST BE APPROVED BY WATER RESOURCES.

DIMENSIONS ARE IN MILLIMETRES
UNLESS OTHERWISE NOTED

10	2018/04/30	ADDED IMPORTANT NOTICE	B.N.	Date	1987/01/05		WATERWORKS CONSTRUCTION COMPOUND OR TURBINE METER INSTALLATION 75mm & LARGER	Sheet	32
9	2017/03/09	REVISED TABLE	B.N.	Scale	N.T.S.			File Number	453.1009.009pt1
8	2017/01/09	REVISED NOTE 6	B.N.	Approved by					
7	2015/12/21	REVISED DRAWING AND ADDED NOTE	B.N.	for The City of Calgary					
6	2014/11/07	REVISED BY-PASS DETAIL	B.N.						
5	2010/11/21	ADDED NOTE No. 12 & ADDED FLOOR DRAIN	B.N.						
No.	Date	Revision	App'd						

ISC: Unrestricted