



Remote Reader Installation - 25mm conduit to be installed from chamber wall to a suitable location

100mm x 100mm (4"x4") pressure treated wooden post to be supplied and installed by owner/applicant

2% min

Finished grade

Long Radius Bend

2.0m (min cover)

Positive displacement water meter (supplied by the City; installed by the Property Owner)

FLOW

Flexible sealant material (both sides)

Supports (3 required)

150mm Granular 'A' Comp to 98% SPDD

Victaulic coupling

Aluminum entry ladder or steps as per OP5D 405.01

height of post 1.0m (min)

depth of post 0.9m (min)

2%

450 MIN

450 MIN

450 MIN

450 MIN

2400Ø

3 piece Chamber Lid 200mm or More (8")>
1 piece Chamber Lid 150mm or Less (6")<

Maximum 150mm(6") of risers at chamber access; otherwise chimney will be used

3.0m MAX

2% min

2400mm Ø Reinforced Precast Concrete Valve Chamber as per OP5D 701.02 (2400 I.D.)

CITY R.O.W. | PRIVATE PROPERTY

450 MIN

450 MIN

450 MIN

Gate Valves c/w hand cranks (2 required)

SERVICE SUPPLY

FLOW

Pipe Clamp Use Mega Lug® Or Uni-flange® Type Joint Restraint. (Both Ends)

Reducing Tee Sump

SIDE VIEW FOR 150mm / 6" + 200mm / 8" Ø SERVICE METER CHAMBER FOR DUAL SERVICE WITH DETECTOR CHECK VALVE ON FIRE SERVICES

NOTES:

1. ALL DIMENSIONS ARE TO BE IN mm UNLESS OTHERWISE NOTED.
2. WATER METERS SUPPLIED BY CITY (25mm OR LESS AT NO CHARGE 37mm OR GREATER MUST BE PAID FOR IN ADVANCE) AND INSTALLED BY OWNER
3. PROVIDE INSTALLATION FOR REMOTE READING - INCLUDING 25mm CONDUIT FROM CHAMBER WALL TO A 100mm X 100mm (4" X 4") PRESSURE TREATED WOODEN POST TO BE SUPPLIED AND INSTALLED BY OWNER/APPLICANT. ABOVE GRADE HEIGHT OF POST 1.0m (min); BELOW GRADE DEPTH OF POST 0.9m (min)
4. MINIMUM 2.0 METERS GROUND COVER OVER WATER PIPE REQUIRED
5. ALUMINUM LADDER RUNGS AS PER OP5D 405.01 TO BE PLACED AS SHOWN TO BASE
6. MINIMUM HEIGHT FROM TOP OF PIPE TO UNDERSIDE OF CHAMBER IS 1.5 METERS
7. CHAMBER SHALL BE WATERTIGHT
8. ALL VALVES AND CONNECTIONS MUST BE SUFFICIENTLY TIED BACK AND MADE SECURE
9. MAXIMUM DISTANCE OF CHAMBER FROM PROPERTY LINE IS 3.0 METERS
10. DETECTOR CHECK VALVE SHALL HAVE CLEARANCE THROUGH STANDARD METER CHAMBER COVER, OTHERWISE THREE-PIECE COVER SHALL BE USED. ALL PIPING & FITTINGS ON DOMESTIC METER PIPING SHALL BE BRASS AND/OR COPPER
11. ALL PIPING & FITTINGS ON DETECTOR CHECK METER PIPING/ASSEMBLY SHALL BE COPPER OR BRASS
12. IF DOMESTIC WATER SERVICE IS 100mm OR GREATER, WATER METER STANDARD WMC 250b IS TO BE USED

CITY OF CAMBRIDGE

Transportation & Public Works Department

Scale: Not to Scale

METER CHAMBER FOR DUAL DOMESTIC AND FIRE SERVICES

Eng Standard No:
PAGE 2 of 2
WMC 150-200b

Drawn By: C. Schumacher

Design By: J. Austin

Approved By: E.S. KOVACS

Date: May, 2006

Date: May, 2006

Commissioner of Transportation & Public Works

Revised: March 10, 2008