

SECTION 68

WATER METER SERVICES

68.1 GENERAL

The scope of this section includes general requirements for the construction of meter settings and associated work to a maximum of 50.8mm diameter meters.

68.2 MATERIALS

68.2.1 PIPE

Type "K" annealed copper tubing conforming to ASTM B88 and CSA HC7.6 - 1978

68.2.2 FITTINGS

Copper alloy or brass alloy conforming to AWWA C800 - 89

68.2.3 CONDUIT (for ORD Wire)

16mm rigid PVC Conduit conforming to CSA C22.2 No. 211.2

68.2.4 METER VALVES

Bypass and inlet and outlet control valves shall be Ford style ball valve (or equivalent) conforming to AWWA C800 -89. All valves are to have pad-lock wings and open in a counter clock-wise direction.

68.2.5 PRE-MANUFACTURED METER SETTINGS

Ford style (or equivalent) for sizes up to 50.8mm where approval has been granted by Aquatera.

68.3 INSTALLATION

68.3.1 METER SETTING

Meter settings shall be constructed using only approved materials in accordance with section 68.2 and shall meet the following requirements:

68.3.1.1 In accordance with Standard Detail Drawing 68-01 attached to this section.

68.3.1.2 Such that the setting is fixed, rigid and properly supported.

68.3.1.3 With an opening of sufficient length to suit the meter and any appurtenances to be installed.

68.3.1.4 With threaded fittings to suit the flange or tail pieces, as the case may require.

68.3.1.5 In a location where the meter will be protected from temperature extremes and accessible for the purpose of reading, inspection and maintenance.

68.3.1.6 In a horizontal position.

68.3.1.7 With inlet and outlet control valves within 300mm of the meter.

68.3.1.8 Bypasses shall not be constructed in any case unless permission has been granted in writing by Aquatera.

68.3.2 RIGID PVC CONDUIT

Only rigid PVC conduit conforming to the requirements of this specification shall be used and shall be installed in accordance with the following requirements:

68.3.2.1 In accordance with the manufacturer's recommendations.

68.3.2.2 In the shortest possible route between the meter and the location of the outside reading device approved by Aquatera.

68.3.2.3 In a manner that allows for the passage of an electricians fish tape.

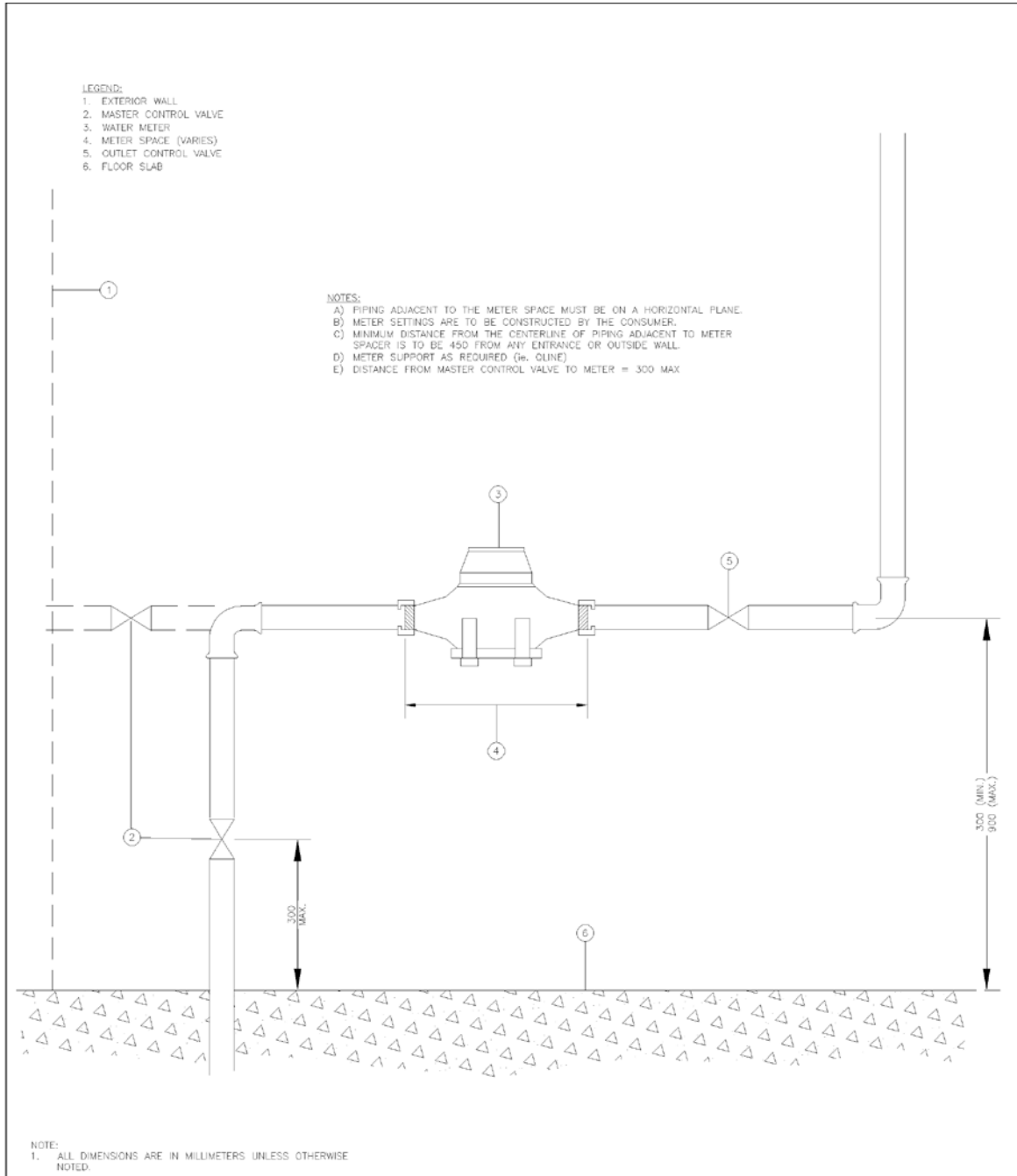
68.3.2.4 To be installed by the builder when the basement is finished prior to the installation of a meter.

68.4 TESTING



There are no requirements for testing of a meter setting other than that which is required by the Building Code.

68.5 PAYMENT

There is no payment for the construction of a meter setting. All costs are to be the responsibility of the property owner.



NOTE:
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

Revisions				TYPICAL SETTING FOR WATER METER 1 INCH OR LESS		Standard Detail 68-01
Date	Details	Drawn		Approved by Timothy Lau, P.Eng.	Authorized Signature	
				Checked by Norman Kyle, P.L.(Eng.)	Scale N.T.S.	Date 11/02/03
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