



## URBAN DEVELOPMENT INSTITUTE - CALGARY TECHNICAL BULLETIN #81

### 2008 Standard Specifications for Waterworks Construction Changes & Revisions

June 11, 2008

The City of Calgary has issued the 2008 Standard Specifications for Waterworks Construction. The following is a summary of the revisions, additions or deletions that were made to the 2008 specs:

<b><u>Page #</u></b>	<b><u>Subject</u></b>
Page 5	Check Valves - Add <i>Va/-Matic Swing Flex</i>
Page 5	Fittings - Add heat-formed PVC <i>Fabricated fittings by Royal</i>
Page 6	Water Service Pipe - Add <i>IPEX Plumbetter PEX</i>
Page 10	Joint Restraint PVC Pipe - Add <i>Ebaa 1500, 15PFOO &amp;2500</i>
Page 11	Ductile Iron Pipe - <i>Permit NSF61 listed internal seal coat</i>
Page 13	PVC Pipe - Add clarification re: <i>UV degradation acceptance criteria</i>
Page 13	Polyethylene HOPE Pipe - <i>design in accordance with AWWA M55 Manual</i>
Page 24	Water Service Pipe - Revise <i>PEX cross-linking requirement</i>
Page 27	Isolating Flange Kit - Revise to allow <i>full face NBR and neoprene</i>
Page 28	Joint Restraints - add <i>anode cap requirement</i>
Page 35	Crossings and Encasements - clarify <i>Feedermain crossing requirements</i>
Page 40	Suitable Bedding - revise <i>Service pipe 100mm and smaller</i>
Page 47	Jointing of HOPE - revise <i>Operator Certification requirement</i>
Page 60	Installation of Water Services - <i>revise wording for clarity</i>
Page 62	Installation of Water Services - <i>revise Tapping Methods for ductile iron, cast iron and asbestos cement pipe</i>
Page 80	Approved Coating Applicator - Add <i>Quality Coating &amp; Blasting</i>

<b><u>Sheet #</u></b>	<b><u>Detail</u></b>
1	Hydrant Detail - <i>revise concrete thrust block details</i>
21	Service Connection Details - <i>allow 6 connections</i>
23	Typical Residential Service - <i>revise and update</i>
24	Standard Back-filling for Services - <i>revise and update</i>
27	Servicing Requirements for Apartments, Multi-Family and Commercial <i>added CCC device for irrigation services</i>
28	Parks Water Service Detail - <i>service valve boot detail</i>
29, 30, 30A, 31	Meter Installations - <i>added CCC device for irrigation services</i>
32	Compound Meter Installation - <i>revise min. &amp;max. clearance, require CCC device for irrigation services</i>
33	Water Service Entry - <i>revise PVC riser sleeve and update</i>
39	Bedding Classifications - <i>revise and update</i>
43	Manhole for Check Valves - <i>revised notes for 250 and 300mm e. V's</i>
44, 45	PRV Chambers - <i>revise and update</i>
52	Watermain Replacement - <i>revise drainage membrane detail</i>
62	Styrofoam Insulation Inverted U - <i>expanded table for services</i>
63	Styrofoam Insulation Horizontal Layer - <i>expanded table for services</i>
64	Large Diameter Storm Styrofoam Insulation – <i>NEW DETAIL</i>

If you have any questions please do not hesitate to contact the UDI – Calgary office or the Water Resources Department of The City of Calgary.

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