

Summary of 2017 Update to Water Engineering Standards

2016 Water Engineering Standards	2017 Water Engineering Standards	Revision
Throughout document	Throughout document	Change 2016 to 2017
W2-4	W2-4	Revise As-built documentation section (too many changes to specifically list)
W4-05	W4-05	First sentence delete “standard weight, Schedule 40” with “Schedule 80”
W4-10	W4-10	<p>Replace first sentence, “The minimum requirements for all gate valves shall, in design, material and workmanship, conform to the following Standards:” with “The minimum requirements for all gate valves shall, in design, material, workmanship, have approximately 45 turns full open to full closed, and conform to the following Standards:”</p> <p>Add last sentence, “Insertion valves shall be mounted on concrete support block.”</p>
W4-13	W4-13	To end of first sentence add, “, and be approximately 45 turns full open to full closed.”
Appendix A(W4-4)	Appendix A(W4-4)	Under fire hydrants, delete “M & H 929”
W5-15, 5-17	W5-15, 5-17	Replace sterilize with disinfect (7 places)
Std Details W-2, W-3	Std Details W-2, W-3	W-2 note 9, W-3 note 3; Replace “mega lug fittings” with “joint restraint see approved materials list”
Std Detail W-6	Std Detail W-6	Redraw trench detail for all 3 utilities to standardize trench measurements. (too many changes to specifically list)
Std Detail W-16	Std Detail W-16	Replace C-28-44 (flare by thread) with C-84-44 (pack by thread); add “(see note 5) after “201-C, Crispin UL10”
Std Detail W-17	Std Detail W-17	<p>Replace upper left of Plan detail text; “2” strainer, threaded Muessco No. 11-BC with brass or stainless steel perforated screen (1/16" dia., 144 holes per sq. in.) and 1" bronze ball valve”; with, “4” X43H strainer w/ 1-1/4" bronze ball valve (drain)”.</p> <p>Remove text and leader upper left of detail; “2” diam. Nipple, (length 4” min)”.</p> <p>Replace lower left of Plan detail text “6” strainer, fl. Cla-val x 42H strainer w/ 1 1/4" bronze ball valve”; with “6” strainer, fl. Cla-val X43H strainer w/ 1 1/4" bronze ball valve”.</p> <p>Modify Plan detail to show 4” strainer, and remove</p>

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		threaded nipple.
Std Detail W-18	Std Detail W-18	<p>Leader in vault text, replace “2” strainer” “4” strainer” Delete leader and text “2” diam. nipple, (length 4” min)”</p> <p>Leader top left corner add after “4” blind flange with 2” tap, add “, add “2” diam. nipple, (length 4” min)”.</p> <p>Delete “Note” DI piping to be class 52”</p> <p>Add note 5. “D.I. piping to be class 52”</p> <p>Revise line work.</p>
Std Detail W-34	Std Detail W-34	Modify Material List #18; Replace “CD12PSTUP” with “CCXMIP Corp Stop”
Std Details W-39, W-40	Std Details W-39, W-40	Replace "not more than 50ft" with "not more than 100ft", and replace "marshall" with "marshal".
Std Detail W-49		Delete Detail W-49
Std Detail W-50	Std Detail W-50	Modify PIV location
Std Detail W-54	Std Detail W-54	Change clearances around fire hydrants to 3'. Clean up detail linework.