

Summary of 2016 Update to Water Engineering Standards

2015 Water Engineering Standards	2016 Water Engineering Standards	Revision
Throughout document	Throughout document	Change 2015 to 2016
New Section,	W3-06(K.) (Section W5-37 was relocated)	Add new section (K) “If the minimum vertical distance between utility pipes is less than 6-inches and such installation is approved by the City, a pad shall be placed between the pipes. The pad shall be O.D. x O.D. x 2.5 inches thick minimum or as required to protect the pipes. Above O.D. is equal to the outside diameter of the larger pipe. The pad shall be a polyethylene foam plank (Dow Plastics Ethafoamtm 220), or approved equal. Additional measures may be necessary to ensure system integrity and may be required as evaluated by the City on a case by case basis.”
W4-08	W4-08	Second paragraph third sentence; Replace “A307 grade A”; with “A193 Grade B8M”
W4-15	W4-15	Add to title “WITH VACUUM CHECK VALVE”. Add new last paragraph “Vacuum check valve shall be installed on top of the air vent on the Air/Vac or Air/Release valve to prevent air from re-entering the water main under any vacuum conditions.”
W4-16	W4-16	Paragraph 7 first sentence; Replace “Utility Vault”; with “Oldcastle Precast”
W5-03	W5-03	Paragraph 4 and fourth first and second sentence Insert after “soil nail”; insert “or other retaining wall reinforcement”
W5-08	W5-08	Second and last sentence, Insert after “air release”; insert “/vacuum check valve”
W5-14	W5-14	Paragraph 1, sentence 2; Replace “calendar” with “business”

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W5-37	Deleted Section - (Section moved to W3-06(K.))	Delete section; "If the minimum vertical distance between utility pipes is less than 6-inches and such installation is approved by the City, a pad shall be placed between the pipes. The pad shall be O.D. x O.D. x 2.5 inches thick minimum or as required to protect the pipes. Above O.D. is equal to the outside diameter of the larger pipe. The pad shall be a polyethylene foam plank (Dow Plastics Ethafoamtm 220), or approved equal. Additional measures may be necessary to ensure system integrity and may be required as evaluated by the City on a case by case basis."
W6-04	W6-04	Fourth paragraph, first sentence; Replace "225 psi"; with "200 psi".
W6-05.2	W6-05.2	Third paragraph, first sentence; Replace "W4-28"; with "W4-29"
W6-05.3	W6-05.3	Second paragraph, first sentence; Replace "W4-28" with "W4-29"
Appendix W4, A(W4-4)	Appendix W4, A(W4-4)	Page A(W4-4); Replace "AIR AND VACUUM RELEASE APCO No. 143-C, Val-Matic No. 201C , Crispin UL10"; with "AIR AND VACUUM RELEASE WITH VACUUM CHECK VALVES APCO No. 143-C with vacuum check valve, Val-Matic No. 201C with vacuum check valve, Crispin UL10 with vacuum check valve"
Std Details W-6	Std Details W-6	Notes 1; Replace "12"" with "18"" two places
Std Details W-16	Std Details W-16	Add note 5. "AIR & VACUUM RELEASE VALVES SHALL HAVE A MECHANISM TO PREVENT AIR FROM RE-ENTERING THE SYSTEM IN VACUUM CONDITIONS"
Std Details W-17, W-33, W-45, W-46B, W-47	Std Details W-17, W-33, W-45, W-46B, W-47	Replace "Utility Vault Co"; with "Oldcastle Precast"
Std Detail W-44	Std Detail W-44	Delete reference to galvanized lids from Standard Detail W-44