2014 Water Engineering	2015 Water Engineering	Revision
Standards	Standards	
Throughout document	Throughout document	Change 2014 to 2015
W1-02, page W1-1	W1-02, page W1-1	Replace "Central Business District
		(CBD)" with "Downtown (DNTN)"
2-04.3, page W2-5	2-04.3, page W2-5	W2-04.3 Water General Plan Notes,
		below note 19, Add "(See W5-29
		Abandoning Facilities for other facility
		abandonment)", In the second
		paragraph following "Ford Service
		Saddle FC101," Add "CC threaded
		saddle and a CC thread brass plug,"
W3-01.2, page W3-1	W3-01.2, page W3-1	Replace - "1992 Water
		Comprehensive Plan with "Water
		System Plan"; Replace - Single Family
		-"90" with "84"; Replace - Multi-
		family - "79" with "75"; Replace -
		Commercial - "20 Gallons per Day per
		250 Square Feet of Floor Area" with
		"32 GPCD"; Replace - "2.85" people
		per single family unit with "2.80";
		Replace "1.85" people per multi-
		family unit with "1.90"; Replace -
		Average Day Demand (ADD) x "2.25"
		with "2.00"; Replace Maximum Day
W12 04 2 W12 4		Demand (MDD) x "1.80" with "3.00"
W3-01.2 page W3-1	W3-01.2 page W3-1	Replace - A. Water velocity in mains -
		velocities shall not exceed 10 feet per
		second during highest demand "and"
		fireflow with "including"; Replace - B. Distribution System Pressures
		(Measured at "Building Elevation")
		with "ground elevation at the
		customers meter"
W3-01.3 page W3-2	W3-01.3 page W3-2	Add New Paragraph at end of section
w 5-01.5 page w 5-2	W 5-01.5 page W 5-2	B "During fire suppression events,
		the water system must be able to
		provide 20-psi minimum pressure at
		ground level at all points throughout
		the distribution system. The water
		system must be able to provide this
		minimum pressure under fire-flow
		conditions plus the MDD rate when all
		equalizing and fire flow storage is

Summary of 2015 Update to Water Engineering Standards

2014 Water Engineering Standards	2015 Water Engineering Standards	Revision
Standards	Standards	depleted (WAC 246-290-230(6))."
W3-01.4 page W3-2	W3-01.4 page W3-2	Delete - "landscape's design/plans and a" from the last sentence.
W3-03, page W3-4	W3-03, page W3-4	Replace "Central Business District (CBD)" with "Downtown (DNTN)"
W3-12.6, page W3-16	NA	Delete Form "WATER EFFICIENT LANDSCAPE DESIGN CERTIFICATION"
W3-13.1, B page W3-20	W3-13.1, B page W3-20	"Delete from B.""1. Irrigation system shall be designed by a State-registered landscape architect, State licensed professional engineer, or Irrigation Association certified irrigation designer (IACID).""
W3-13.1, C and D, page W3- 20	W3-13.1, C and D, page W3-19	 "Delete sections "C. Copies of the landscapes and irrigation systems designs/plans, together with a "Water Efficient Irrigation System Design Certification", must be submitted to, and approved by, the Utility prior to construction of the irrigation system. D. Installed irrigation systems must successfully pass an irrigation system audit verifying a minimum average distribution uniformity of 0.625, and an "Irrigation System Design Certification", must be submitted to, and approved by, the Utility prior to construction of the irrigation System Design Certification", must be submitted to, and approved by, the Utility prior to construction of the irrigation system. 1. Audit shall be by an Irrigation Association certified landscape irrigation auditor (IACLIA)." Replace with "C. Copies of the "Water Efficient Irrigation System Design Certification", Irrigation Water Budget Form, and Total Estimated Water Use Form must be submitted to, and approved by, the Utility prior to construction of the irrigation system. D. An "Irrigation System

2014 Water Engineering	2015 Water Engineering	Revision
Standards	Standards	
		and approved by the Utility prior to
		Utility final acceptance of the
		project.""
NA	W3-13.2, page W3-21	Add paragraph at end of section "F.
		Should any of the above requirements
		not be met an Irrigation System Audit
		Certification performed by a qualified
		landscape professional will be
		required by the city prior to acceptance
		of the project."
W3-13.2, page W3-22	W3-13.2, page W3-21	Replace section title - "Irrigation
		System Design and Performance
		Requirements Certifications" with
		"Irrigation System Design
		Certification"
W3-13.3, page W3-22	W3-13.2, page W3-21	Delete from first paragraph "Water
, , , , , , , , , , , , , , , , , , , ,	, 1 , 1 , 3 , 1 , 3 , 1	Efficient", "and "Irrigation System
		Audit Certification", and revise
		"pages" to be "page".
W3-13.3 page W3-23 (Form)	W3-13.3 page W3-22	Replace form title - "WATER
	(Form)	EFFICIENT IRRIGATION SYSTEM
	()	DESIGN CERTIFICATION" with
		"IRRIGATION SYSTEM DESIGN
		CERTIFICATION"
W3-13.3 page W3-23 (Form)	W3-13.3 page W3-22	Replace above signature block - "The
	(Form)	landscape irrigation system
		design/plans for the above stated
		project have been completed by the
		Washington State Registered
		Landscape Architect, Washington
		State Registered Professional
		Engineer, or Irrigation Association
		Certified Irrigation Designer stated
		above, and are in compliance with
		Bellevue City Code 24.02.210
		"Irrigation System Design and
		Performance Requirements" (Water
		Code). All data, calculations, and
		information required is attached, or
		shown on the face of the irrigation
		system plans." WITH "The landscape
		irrigation system for the above stated
		project has been installed in

2014 Water Engineering Standards	2015 Water Engineering Standards	Revision
		Code 24.02.210 "Irrigation System
		Design and Performance
		Requirements" (Water Code)."
W3-13.3 page W3-24 (Form)	NA	Delete form - "IRRIGATION
		SYSTEM AUDIT CERTIFICATION"
W5-18	W5-18	W5-18 Replace last paragraph, "The
		photographs shall be taken with a
		35mm camera, developed in 4" x 6"
		color prints, contained in albums,
		catalogued, and cross-referenced."
		With "The photographs shall be taken
		with a digital camera, 2MP (4"x6")
		color prints, contained in albums,
		catalogued, and cross-referenced
NA	W5-29.4	W5-29 add new section "W2-04.3
		Water General Plan Notes - Note 19"
Appendix W-4	Appendix W-4	Remove Mueller Fire Hydrants from
		approved materials list.
Appendix W-4	Appendix W-4	Add Waterous Pacer and East Jordan
		WaterMaster 5CD250 fire hydrants to
		the approved materials list.
Std Detail W-16	Std Detail W-16	Replace "coupling copper to male iron
		pipe-ford C-28-44, Mueller H15428z"
		with "coupling copper to male
		National Pipe Thread (NPT) - ford C-
		28-44, Mueller H15428z"
Std Detail, W-30	Std Detail, W-30	Note E. change "Ford C14-77", to
		"Ford C14-87"
Std Detail, W-33,	Std Detail, W-33,	Std Detail W33 material list 10. Delete
		"for 3" meter, 500 cubic feet for 4-6"
		meter".
Std Details, 34, 35, 42	Std Details, 34, 35, 42	Modify for more Generic Connections
Std Detail, W-37	NA	Delete Std Detail W-37
Std Detail, W-35	Std Detail, W-35	Std Detail W35 material list 3. Delete
		"for 3" meter, 500 cubic feet for 4-6"
		meter"
Std Details, W-39, W-40, W-	Std Details, W-39, W-40,	Change valve position to allow
49, W-50	W-49, W-50	removal of assembly without
		compromising ability of the Fire
		Department to charge the building fire
		system.
Std Detail, W-54	Std Detail, W-54	Delete "CBD" in note 1 Add "DNTN,
		AND BELL-RED"
Std Detail, W-55	Std Detail, W-55	Delete "FN", and replace with, "WV"