

July 2014
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Yellow Highlight = Revision Green Highlight = New			
Section	Standard Plan	Revision Date	Notes
	Preface	7/1/14	
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1	STANDARD SPECIFICATIONS	7/1/14	

PLEASE NOTE: All 2014 details have been updated to reflect revised approval signature and date.

Section	Standard Plan	Revision Date	City of Redmond Standard Plan	WSDOT Standard Plan	Notes
2	CONSTRUCTION ALONG/ACROSS CITY RIGHT-OF-WAY				
	Typical Trench Detail	6/1/13	201		
	Asphalt Overlay For Roadway Trench Repair	3/1/11	202		
3	ROADWAY CONSTRUCTION				
	Typical Roadway Section	3/1/12	301		
	Pavement Paving Details	3/1/10	302		
	Pavement Repair Details	3/1/12	302A		
	Curb & Sidewalk Joints	3/1/11	303		
	Downtown Pedestrian Sidewalk	3/1/11	303B		
	Downtown Pedestrian Sidewalk with Ceramic Permeable Paver Band	6/1/13	303C		
	Directional Paver Detail	6/1/13	303D		
	Typical Curb and Gutter Details	3/1/12	304		
	Extruded and Barrier Curb Section	3/1/10	304A		
	Asphalt Thickened Edge	3/1/10	304B		
	Type "1" Driveway	3/1/12	305		
	Type "1A" Driveway with Adjacent Landscape Area	3/1/12	305A		
	Type "2" Driveway	3/1/12	306		
	Parallel Curb Ramp	7/1/14	307	F-40.12-01	New-Modified WSDOT Detail
	Combination Curb Ramp	7/1/14	308	F-40.14-01	New-Modified WSDOT Detail

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3					
continued					
	Perpendicular Curb Ramp	7/1/14	309	F-40.15-01	New-Modified WSDOT Detail
	Single Direction Curb Ramp	7/1/14	310	F-40.16-01	New-Modified WSDOT Detail
	Crosswalk Markings & Signs	6/1/13	311		
	Signalized Crosswalk and Stop Bar	3/1/12	311A		
	Crosswalk & Stop Bar, Downtown & Overlake	3/1/12	311B		
	Channelization Line Types	6/1/13	312		
	Back of Sidewalk Bicycle Parking	3/1/11	317		
	On Street Bicycle Parking	3/1/11	318		
	Bicycle Lanes	3/1/12	319		
	Bicycle Lane Channelization	7/1/14	319A		Added sharrow location & note
	Bicycle Lane Treatment at Drop Right Lane Turn	3/1/11	319B		
	Bicycle Lanes at Intersection	3/1/11	319C		
	Sharrow Lanes	3/1/11	320		
	Bicycle Detector Pavement Marking	3/1/12	320A		
	Typical Pedestrian Railing	6/1/13	321		
4	TRAFFIC / TRANSPORTATION				
	Sight Distance Triangle	3/1/10	408		
	Standard Intersection Head Numbers & Phasing	3/1/10	409		
	Speed Hump (1 of 2)	3/1/10	415		
	Speed Hump (2 of 2)	3/1/10	416		
	Bump Legend	3/1/11	416A		
	Mast Arm Street Name Signs	3/1/12	417		
	Advanced Warning Sign/Flasher	3/1/11	418		
	Lane-Use Pavement Markings	3/1/11	419		
	Luminaire Pole (Concrete Square)	3/1/11	420		
	Typical Luminaire Locations	3/1/12	420A		
	Uniform Luminaire Wiring	3/1/12	421		
	Patterned Concrete Speed Hump	3/1/10	422		

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4 continued	TRAFFIC / TRANSPORTATION				
	Patterned Concrete Crosswalk	3/1/10	423		
	"J" Series Light Standard	3/1/10	425		
	Sign & Post Street Name Sign	3/1/11	426A		
	Street Light Pole Mounting Sign	3/1/11	426B		
	Sign & Post In Concrete/Asphalt	3/1/11	426C		
	Sign & Post In Ground	3/1/11	426D		
	Speed Table (1 of 2)	3/1/11	427		
	Speed Table (2 of 2)	3/1/11	428		
	Bullet-nose & C-Curb Detail	3/1/10	429		
	Concrete Octagonal Pole	3/1/11	430		
	Pedestrian Scale Pole	3/1/10	430B		
	Type 3 Barricade	3/1/11	431		
	Pedestrian Push Button Orientation	3/1/11	453		
	Approved Bicycle Racks	3/1/11	454		
	Loop Detector Spacing	3/1/12	454A		
	Loop Detector Sawcut	3/1/12	455		
	Sawcut and Conduit Under Curb	3/1/12	456		
	Loop Detector Splice and Wiring Label	3/1/11	457		
	Loop Terminal Strip	3/1/11	458		
	Cabinet Foundation	3/1/11	459A		
	Service Cabinet Foundation	3/1/10	459C		
	Controller and Service Cabinet Footprint	6/1/13	460		
	Service Cabinet	6/1/13	461		
	Interconnect Junction Box	3/1/12	462		
	Junction Box on Grade or Landscaped Areas	3/1/12	464		
	CCTV Camera Mounting	3/1/10	465		
	CCTV Video Cable Connection	3/1/10	465A		
	Trench Restoration for 1 or 2 Conduits	3/1/11	466		
	Junction Box Details (1 of 2)	3/1/11	467A		
	Junction Box Details (2 of 2)	3/1/11	467B		

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4 continued	TRAFFIC / TRANSPORTATION				
	Fiber Splice and Storage (1 of 3)	3/1/11	468A		
	Fiber Splice and Storage (2 of 3)	3/1/11	468B		
	Fiber Splice and Storage (3 of 3)	3/1/11	468C		
	Roadway Luminaire and Pole	3/1/11	470		
	Pedestrian Luminaire and Pole	3/1/11	471		
	Tree Grate With Frame	3/1/11	473		
	Pedestrian Luminaire Location and Pavement Scoring	3/1/11	474		
	Rumble Strip and 25 MPH Legend	3/1/11	476		
	Traffic Circle Dimensions	3/1/11	477		
	Traffic Circle Details	3/1/11	478		
	Raised Crosswalk	3/1/11	479		
	Raised School Crosswalk Signing	6/1/13	480		
	Raised Crosswalk Signing	6/1/13	481		
	Speed Cushion (1 of 2)	3/1/11	482		
	Speed Cushion (2 of 2)	3/1/10	483		
	Fire Lane Sign	3/1/11	499		
5	CLEARING, GRADING AND TEMPORARY EROSION CONTROL				
	Filter Fabric Fence	3/1/12	502		
	Stabilized Construction Entrance	3/1/12	503		
	Paved Construction Exit	3/1/11	503A		
	Temporary Swale	3/1/12	504		
	Earth Dike	3/1/11	505		
	Perimeter Dike/Swale	3/1/11	506		
	Storm Drain Inlet Protection	6/30/07		I-40.20-00	
	High Visibility Fence	8/11/09		I-10.10-01	
6	STORMWATER				
	Concrete Inlet	6/1/06		B-25.60-00	
	Catch Basin - Type 1	6/1/06		B-5.20-00	
	Catch Basin - Type 1L	6/1/06		B-5.40-00	
	Catch Basin - Type 2	6/1/06		B-10.20-00	

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6 continued	STORMWATER				
	Typ. Orientation of Type 2 Catch Basin in City Street	3/1/11	609A		
	Typical Catch Basin Placement	3/1/11	609B		
	Flow Control Structure	7/1/14	610		Replaced valve with shear gate. Added notes 9 & 10.
	Solid Metal Cover for Catch Basin	11/21/06		B-30.20-01	
	Miscellaneous Details for Drainage Structures	9/20/07		B-30.90-01	
	Manhole Type 3	6/1/06		B-15.60-00	
	Stormwater Valve	3/1/12	611		
	Valve Box Extension	3/1/12	612		
	Stormwater Shear Gate	7/1/14	613		New
	Stormwater Manhole/Catch Basin Adjustment Detail	3/1/12	615		
	Detention Vault Access Manhole Lid Over Low Point	7/1/14	616		Changed valve gate to shear gate.
	Alternate Vault Access	7/1/14	617		Removed rail sockets, added ladder.
	Thru-Curb Inlet Frame Installation	3/1/11	618		
	Combination Inlet	6/8/06		B-25.20-00	
	Rectangular Vaned Grate	6/1/06		B-30.30-00	
	Rectangular Herringbone Grate	6/1/06		B-30.50-00	
	Headwall & Rip Rap	3/1/11	620		
	Lot Drain Trench	3/1/12	621		
	Stenciling Detail	3/1/11	622		
	Sidewalk Underdrain System	6/1/13	630		
	Catch Basin Frame and Grate Replacement	3/1/12	631		
	Rectangular Frame (Reversible)	6/8/06		B-30.10-00	
	Soil Amendment and Depth	3/1/11	632		
	Permeable Pavement Section	3/1/12	643		
	Pervious Concrete Sidewalk	3/1/12	646		
	Permeable Pavement on Slopes	3/1/12	647		
	Roof Rain Harvesting	3/1/12	650		

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7	WATER				
	Corporation Stop Service Connections	7/1/14	701A		Changed pea gravel to CSTC, service pipe only 2 inch
	Gate Valve Service Connections	7/1/14	701B		Changed pea gravel to CSTC
	3/4" to 2" Meter Setter Details	7/1/14	702		Changed sand to CSTC, add brass nipple, minor note changes
	Standard Meter Locations 3/4" to 2" Meters	7/1/14	703		Changed meter box on double, service pipe size, minor note changes
	Double Service Manifold	7/1/14	703A		Individual meter boxes, change brass manifold and brass pipe lengths, minor note changes
	Triple Service Manifold	7/1/14	703B		Individual meter boxes, change brass manifold and brass pipe lengths, minor note changes
	Meter Box Location within Planting Area	7/1/14	703C		NEW-Top half SD 716, number reused
	Residential Fire Sprinkler Details	7/1/14	704		Deleted double meter alternative
	Water Meter Plan View 3", 4", 6", Meter Details	3/1/12	705		
	Water Meter Sections 3", 4", 6" Meter Details	3/1/12	705A		
	Combination Air Release & Vacuum Valve Assembly	3/1/10	706		
	Blow-off Assembly	7/1/14	707		Changed pea gravel to CSTC
	6" & 8" PRV Station Plan	7/1/14	708		Added saddle to pressure gauges
	6" & 8" PRV Station Plan and Section	7/1/14	709A		Added saddle to pressure gauges, changed hatch on CSTC
	6" AND 8" PRV Station Section	7/1/14	709B		Changed hatch on CSTC
	6" & 8" PRV Station Misc. (Catch Basin) Details	3/1/10	710A		
	6" & 8" PRV Station Misc. (Ladder) Details	3/1/10	710B		
	Irrigation BackFlow Preventor (3/4"-2")	3/1/11	711		
	Fire Hydrant and Standpipe Location	3/1/10	712		
	Fire Hydrant Assembly	3/1/10	713		
	Fire Sprinkler System Back Flow Preventer	7/1/14	714		Edited title, backflow preventer in building, updated notes
	Fire Sprinkler System Back Flow Preventer	7/1/14	714A		NEW-Section drawing of 714
	Hydrant Location within Planting Area	7/1/14	716		Removed meter location and moved to 703C
	Valve Box Detail	3/1/12	718		
	Exempt Irrigation Meter Location Requirements	7/1/14	719		Minor drawing change
	5/8" X 3/4" and 1" Meter in Sidewalk	7/1/14	720		NEW

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7 continued	WATER				
	5/8" X 3/4" and 1" Double Meters in Sidewalk	7/1/14	721		NEW
	1-1/2" and 2" Meter in Sidewalk	7/1/14	722		NEW
8	SEWER				
	Side Sewer Cleanout Detail	3/1/11	810		
	Drop Connection Detail	3/1/10	820		
	Side Sewer	3/1/10	830		
	Side Sewer Marker	3/1/11	832		
	48" Standard Manhole	3/1/11	840		
	Intersection of Sewers at Manholes	3/1/10	842		
	Bollard Barrier	3/1/11	890		
9	MISCELLANEOUS				
	Mailbox Standard	3/1/10	901		
	Cluster Box Mailbox Standard	3/1/10	901A		
	Double Mailbox Standard	3/1/10	902		
	6' Wood Fence	3/1/11	904		
	Structural Soil for Street Trees	7/1/14	907		Formerly 907A. Removed tree grate and added mulch notes. Removed notes 4 & 5.
	Rock Wall	7/1/14	909		Removed notes 4 & 5
	Parks Bollard	3/1/12	911		
	Irrigation Control Panel	6/1/13	920		
	Double Check Valve	6/1/13	921		
	Irrigation Trench	6/1/13	922		
	Thrust Block	3/1/10	923		
	System Gate Valve	7/1/14	925		
	Control Valve	3/1/10	926		
	Quick Coupler	3/1/10	927		
	Rainbird 3500/500/6400 Series Swing Joint	3/1/10	928		
	Rainbird 1800 Series Swing Joint	7/1/14	929		Added pipe language
	Valve Box Installation	3/1/10	930		
99	DESIGN GUIDANCE				
	Sidewalk Ramp Layout	6/1/13	DG01		Formerly 99-310B
	Crosswalk Accessibility Design Standards	6/1/13	DG02		Formerly 99-310C
	Sight Distance Triangle	6/1/13	DG03		Formerly 99-408
	Standard Intersection Head Numbers & Phasing	6/1/13	DG04		Formerly 99-409
	Traffic Circle Dimensions	6/1/13	DG05		Formerly 99-477
	120' Hammerhead Alternate	7/1/14	DG06		NEW
	120' Hammerhead	7/1/14	DG07		NEW
	60' Y	7/1/14	DG08		NEW
	90' Cul-de-Sac	7/1/14	DG09		NEW
	Typical Rockery Details Post Const. Guides	6/1/13	DG10		Formerly 99-910

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2014 DELETED DETAILS					
3	ROADWAY CONSTRUCTION				
	Parallel Curb Ramp	7/1/14		F-40.12-01	Replaced with 307
	Combination Curb Ramp	7/1/14		F-40.14-01	Replaced with 308
	Perpendicular Curb Ramp	7/1/14		F-40.15-01	Replaced with 309
	Single Direction Curb Ramp	7/1/14		F-40.16-01	Replaced with 310
7	WATER				
	Quadruple Service Manifold	7/1/14	703C		Deleted – number reused
	Domestic and Fire Sprinkler Manifold	7/1/14	704A		Deleted
9	MISCELLANEOUS				
	Cast Iron Tree Grate	7/1/14	910		Deleted
	Structural Soil for Street Trees	7/1/14	907A		Changed to 907