



**PUBLIC WORKS DEPARTMENT**

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**Public Works Design Standard Details**

Detail No.	Detail Name	Original Date	Rev Date(s)	Description
<b>Water Standard Details</b>				
W1	Standard Water Meter Box	6/17/2005	(Rev 1) 12/7/2006	Rev 1 - Specified solid ductile iron lids in traffic areas and ductile iron flip reader lids in non-traffic areas
W2	Water Main Trench Section	6/17/2005	-	
W3	Typical Utility Crossing	6/17/2005	-	
W4	Concrete Thrust Block	6/17/2005	-	
W5	Vertical Anchor Block	6/17/2005	-	
W6	Wet Tap Connection	6/17/2005	-	
W7	Cut In Connection	6/17/2005	-	

Detail No.	Detail Name	Original Date	Rev Date(s)	Description
W8	Fire Hydrant Installation	6/17/2005	-	
W9	Water System Vault	6/17/2005	-	
W10	1" And Smaller Water Service	6/17/2005	(Rev 1) 11/5/2009	Revised Note 3. "Individual pressure reducing valve (Washington State Department of Health Approved) is required." Added additional corp stop.
W11	1-1/2" And 2" Water Service	6/17/2005	(Rev 1) 8/27/2009	Added Note 6. "Individual pressure reducing valve (Washington State Department of Health Approved) is required."
W12	Meter Assembly 3" Through 6"	6/17/2005	(Rev 1) 8/27/2009	Revised Note 2. "Neptune touch-read meter to be obtained from the City of Bonney Lake and installed by the developer."
W13	2" Blow-Off Assembly	6/17/2005	-	
W14	Air And Vacuum Release Assembly	6/17/2005	-	
W15	Water Sampling Station	6/17/2005	-	
W16	Valve Box	6/17/2005	(Rev 1) 10/1/2009	Revised Note 1. "Each valve shall be provided with the following Olympic Foundry Valve Box parts or approved equals; Lid part no. 13-5010, Top part no. 13-5020, & Base part no. 13-5021." Revised Note 3. "As required by the City, a white 4"x4" concrete marker post shall be installed with the valve box in unimproved areas."
W17	Double-Check Detector With Fire Connection	6/17/2005	-	
W18	Pressure Reducing Station	6/17/2005	(Rev 1) 7/26/2005 (Rev 2) 12/25/2006	Rev 1 - Page 2. Added PRV Piping Note Rev 2 - Page 2. Added offline PRV station configuration
W19	Water Valve Stem Extension	6/17/2005	-	
W20	Reduced Pressure Backflow Device	6/17/2005	-	
W21	Individual Double Check Detector Assembly	6/17/2005	-	
W22	Fire Sprinkler Line With Domestic Service	6/17/2005	-	

Detail No.	Detail Name	Original Date	Rev Date(s)	Description
<b>Sanitary Sewer Standard Details</b>				
SS1	Typical Precast Manhole	6/17/2005	(Rev 1) 12/7/2007	Rev 1 - Page 1. Ladder reference to SS6
SS2	Outside Drop Manhole	6/17/2005	-	
SS3	Inside Drop Manhole	6/17/2005	-	
SS4	Manhole Cover	6/17/2005	(Rev 1) 7/14/2006	Rev 1 - Changed pickhole configuration
SS5	Manhole Frame Collar	6/17/2005	-	
SS6	Polypropylene Ladder And Manhole Steps	6/17/2005	-	
SS7	Sanitary Sewer Trench Section	6/17/2005	-	
SS8	Pressure Line And Force Main Trench Section	6/17/2005	-	
SS9	Sewer Main Tap	6/17/2005	-	
SS10	Side Sewer Detail	6/17/2005	-	
SS11	Standing Side Sewer	6/17/2005	-	
SS12	Private Side Sewer Installation	6/17/2005	-	
SS13	Small Diameter Force Main Connection	6/17/2005	-	
SS14	Grease Interceptor	6/17/2005	(Rev 1) 3/17/2007 (Rev 2) 8/24/2009	Rev 1 - Added surface clean-out to interceptor inlet Rev 2 - Added clean out and sample port to grease interceptor (outlet) detail drawing
SS15	2 Pump SS Lift Station Schematic	10/31/2007	-	Created new 2 pump SS lift station schematic detail

Detail No.	Detail Name	Original Date	Rev Date(s)	Description
SS16	3 Pump SS Lift Station Schematic	10/31/2007	-	Created new 3 pump SS lift station schematic detail
SS17	Schematic Legend and Abbreviations	10/31/2007	-	Created new schematic legend and abbreviations detail
SS18	Conceptual Lift Station Site Plan	10/22/2007	-	Created new conceptual lift station site plan detail
SS19	Conceptual Lift Station Building Floor Plan	10/22/2007	-	Created new conceptual lift station building floor plan detail
SS20	Pig Launch	10/22/2007	-	Created new pig launch detail
<b>Street Standard Details</b>				
S1	Major Arterial	6/17/2005	(Rev 1) 7/14/2006	Rev 1 - Changed sidewalk width to 10' min
S2	Minor Arterial	6/17/2005	(Rev 1) 7/14/2006	Rev 1 - Added 5' bike lane and changed to 70' r-o-w
S3	Collector Street	6/17/2005	(Rev 1) 7/14/2006	Rev 1 - Added 5' bike lane
S4	Local Access Street Section	6/17/2005	-	
S5	Cul-De-Sac	6/17/2005	-	
S6	Trench Pavement Restoration	6/17/2005	(Rev 1) 7/14/2006	Rev 1 - Added Note 4. Minimum pavement removal will be to centerline
S7	Poured In Place Monument	6/17/2005	-	
S8	Cement Concrete Sidewalk	6/17/2005	(Rev 1) 9/28/2006 (Rev 2) 5/11/2009	Rev 1 - Removed leader and expansion joints at 15' o.c. note Rev 2 - Clarified the crushed surfacing top course dimension as 4" in the sidewalk cross-section detail drawings
S9	Cement Concrete Driveway	6/17/2005	(Rev 1) 5/8/2006 (Rev 2) 3/7/2009	Rev 1 - Modified format for clarity Rev 2 - Revised the maximum approach slope from 2% to 8%
S10	Concrete Curb And Gutter	6/17/2005	-	

Detail No.	Detail Name	Original Date	Rev Date(s)	Description
S11	Road Approach	6/17/2005	(Rev 1) 2/14/2006 (Rev 2) 6/17/2007	Rev 1 - Page 1. Added expansion joint at r-o-w line; Page 3. Changed Note 10. culvert ends to a 3:1 taper Rev 2 - Page 2. Created new double road approach page
S12	Hammerhead Turnaround	6/17/2005	-	
S13	Barricade	6/17/2005	-	
S14	Street Sign Installation	6/17/2005	(Rev 1) 9/14/2005 (Rev 2) 2/14/2006 (Rev 3) 9/28/2006 (Rev 4) 5/5/2007 (Rev 5) 3/7/2009 (Rev 6) 1/27/2010	Rev 1 - Page 2. Added street sign logo and 6" street number prefix; Rev 2 - Page 2. Changed street number prefix to 3"; Rev 3 - Page 2. Modified street sign logo and font and changed sign sheeting type 4; Page 1. Removed sleeve from post assembly, modified format for clarity, and added notes 3 and 4; Page 3. Moved sign location to back of sidewalk; Rev 4 - Page 1. Specified 12" blade holder Rev 5 - Page 1. Revised Note 1. "All sign assemblies shall use a telespar post and solid tubular anchor or approved equal." Rev 6 - Page 3. Added speed limit sign dimensions
S15	King Luminaire	6/17/2005	-	
S16	26ET-12 Pole With Tenon	6/17/2005	-	
S17	VEWX-7.5 Pole	7/14/2006	-	Added new VEWX-7.5 (6P3I) street light pole detail
S18	SR 410 Street Section	7/7/2007	-	Created new SR 410 Street Section Detail
S19	SR 410 Street Light	11/13/2007	-	Created new SR 410 Street Light Detail
S20	Permit Parking Sign	11/7/2006	-	Created new Permit Parking Sign Detail
S21	Eastown Public Road Street Section	10/31/2007	-	Created new Eastown Public Road Street Section Detail
S22	Downtown 184 <sup>th</sup> Street Section	10/31/2007	-	Created new Downtown 184 <sup>th</sup> Street Section Detail

Detail No.	Detail Name	Original Date	Rev Date(s)	Description
S23	Eastown Private Road Section 51' ROW	10/31/2007	-	Created new Eastown Private Road Section 51' ROW Detail
S24	Eastown Private Road Section 41' ROW	10/31/2007	-	Created new Eastown Private Road Section 41' ROW Detail
S25	No Parking Sign	2/5/2008	-	Created new No Parking Sign Detail
S26	Tree Grate	8/3/2009	-	Created new Tree Grate Detail
S27	SR 410 Scroll Arm	6/7/2008	-	Created new SR 410 Scroll Arm Detail
S28	Welcome Sign	8/15/2008	-	Created new Welcome Sign Detail
S29	Pothole Restoration	1/27/2010	-	Created new Pothole Restoration Detail
<b>Storm Drainage Standard Details</b>				
SD1	Typical Storm Drain Pipe Trench Section	6/17/2005	-	
SD2	Catch Basin Type 1	6/17/2005	-	
SD3	Catch Basin Type 2	6/17/2005	-	
SD4	Flow Restrictor Catch Basin Type 2	6/17/2005	-	
SD5	Polypropylene Ladder And Steps	6/17/2005	-	
SD6	Catch Basin Type 2 Frame And Collar	6/17/2005	-	
SD7	Solid Round Cover	6/17/2005	(Rev 1) 7/14/2006	Rev 1 - Changed pickhole configuration
SD8	Trash Rack	6/17/2005	(Rev 1) 7/26/2007	Rev 1 - Changed rack material from aluminum to galvanized steel

Detail No.	Detail Name	Original Date	Rev Date(s)	Description
SD9	Roof Drain Collection System Connection	6/17/2005	-	
SD10	Pond Sign	6/17/2005	(Rev 1) 7/4/2006 (Rev 2) 11/6/2006	Rev 1 - Page 1. Changed Note 2 to Bonney Lake Rev 2 - Page 1. Added please to sign layout; Page 2. Changed sign support to a single post (galvanized 2"x 2") with tubular anchor
<b>Miscellaneous Standard Details</b>				
M1	Swing Gate & Fence	6/17/2005	(Rev 1) 7/14/2006	Rev 1 - Page 1. Changed Chain Link Fence to type 1; Page 2. Changed Gate to Type 1
M2	T.E.S.C. Catch Basin Insert	6/17/2005	-	
M3	Mailbox Location	6/17/2005	-	
M4	Removable Bollard	6/17/2005	-	
M5	Approval Block	6/17/2005	(Rev 1) 7/7/2007 (Rev 2) 6/2/2010	Rev 1 - Added Public Development Approval Block Rev 2 - Added Development Review Engineer
M6	Existing City Road Section	6/17/2005	-	
M7	Construction Project Information Sign	3/16/2009	-	Created new Construction Project Information Sign Detail