

02/19/20 – Note; no recommended amendments to the 2017 edition were developed beyond 04/22/2019. All proposed and accepted changes to the 2017 edition beyond this date were incorporated directly into the 2020 edition of the Specs and Plans. Clean copies of the 2017 Standard Plans listed at the bottom of this table can be found in the 2020 edition.

This table lists recommended amendments to the 2017 edition of the City of Seattle Standard Specifications and Plans for Road, Bridge and Municipal Construction.

For City Contracts, the amendments presented below are only binding if they are inserted in to a Project Manual (pre advertisement, via the addendum process or through a change order).

For SDOT issued Street Use Permits, the amendments will be adopted per the discretion of SDOT and referenced in the applicable Street Use Permits.

Amendments posted for the first time are highlighted in yellow in the “Revision Date” column.

SP = Standard Plan

Note Standard Plan amendments are posted as redlined PDF’s, clean PDF’s and CAD files on the City of Seattle’s Standards website under the amendment tab and are also listed below in this table.

<http://www.seattle.gov/util/Engineering/StandardSpecsPlans/Amendments/index.htm>

Revision Date	Section / Plan	Current Title	Text / Editor’s Note
8/15/18	1-01.3	Definitions	<p><b>Add the following definitions:</b></p> <p><b>ACCEPTABLE WORK SITE</b> A Work Site that is appropriate, productive, safe, free from bullying, hazing or harassment. An Acceptable Work Site is free from behaviors that may impair production or undermine the integrity of the work conditions including but not limited to job performance, safety, productivity, or efficiency of workers.</p> <p><b>CITY</b> The City of Seattle.</p> <p><b>OPEN-SHOP APPRENTICE</b> An employee of an Open-Shop Contractor that meets the criteria established under Article XI, Section 2 of the CWA.</p> <p><b>PRE-APPRENTICE TRAINING PROGRAM</b> An education-based program, recognized by the State of Washington Apprenticeship and Training Council and endorsed by one or more registered apprenticeship sponsors, with a focus on educating and training students to meet or exceed minimum qualifications for entry into an Apprentice Training Program.</p> <p><b>WORK SITE</b> The Project Site and any field or company offices used for the project, or other locations used in conjunction with the project where Work is performed.</p> <p><b>Delete the definition for Priority Hire and replace it with the following:</b></p> <p><b>PRIORITY HIRE</b> The Priority Hire ordinance (SMC Ch. 20.37) prioritizes workers living in economically distressed ZIP codes and preferred entry candidates for hire on Covered Projects and sets aspirational goals for hiring women and people of color.</p>
8/15/18	1-02.2	Supplemental Bidder Responsibility Criteria Form (SBRC)	<p><b>Delete the first paragraph under item 1. and replace it with the following:</b></p> <p>The Bidder must document on the SBRC that the Bidder and the Bidder’s personnel or Subcontractors have completed projects of a similar size and scope as this project.</p>

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8/15/18	1-02.14	Disqualifications of Bidders	<p><b>Delete the contents of this Section and replace with the following:</b></p> <p>A Bidder will be deemed not responsible and its Bid rejected if:</p> <ol style="list-style-type: none"> <li>1. The Bidder does not meet the mandatory responsibility criteria in RCW 39.04.350(1) as amended and as specified in Section 1-02.1;</li> <li>2. The Bidder (apparent low Bidder only) does not meet the Supplemental Bidder Responsibility Criteria as specified in Sections 1-02.1 and 1-02.2, did not provide the completed and signed SBRC or required documentation to evaluate the Bidder qualifications, or fails to disclose or submits false or misleading information on the SBRC or in the attached documentation;</li> <li>3. Evidence of collusion exists with any other Bidder or potential Bidder; or</li> <li>4. The Bidder failed to attend a mandatory pre-bid conference, if applicable.</li> </ol> <p>A Bidder may be deemed not responsible and its Bid rejected if:</p> <ol style="list-style-type: none"> <li>a. More than 1 Bid is submitted for the same project from a Bidder under the same or different names;</li> <li>b. An unsatisfactory performance record exists as shown by past or current Work for the Owner, or for others, as judged from the standpoint of the conduct of the Work, environmental or safety compliance records, workmanship, progress, social equity, Community Workforce Agreement, or equal employment opportunity practices; or termination for cause;</li> <li>c. The Bidder has failed to settle bills for labor or Materials on past or current contracts;</li> <li>d. The Bidder has failed to complete a public contract;</li> <li>e. The Bidder has been convicted of a crime arising from a previous public contract;</li> <li>f. The Bidder is unable, financially, or otherwise, to perform the Work; or</li> <li>g. For any other reason deemed proper by the Owner.</li> </ol> <p>The Owner will notify the Bidder by email or other writing if the Bidder is determined to be not responsible under this Section.</p>
8/15/18	1-03.1(4)	Pre Award Information and Rights of the Owner	<p><b>Insert the following item after item 4:</b></p> <p>5. A Social Equity Plan</p>
8/15/18	1-03.3	Required Documents to Establish the Execution Date	<p><b>Delete the contents of this Section and replace with the following:</b></p> <p>Within 10 Business Days of issuing the Notice of Intent to Award, unless extended by mutual agreement, the apparent low Bidder must submit to CPCS: proof of insurance, fully executed original Payment and Performance Bond, Retainage Bond if applicable, and the original signed Agreement Form. The apparent low Bidder must also submit the Social Equity Plan as specified in Section 1-03.3(4).</p>
8/15/18	1-03.3(4)	Social Equity Plan (NEW)	<p><b>Add the following new Section:</b></p> <p><b>1-03.3(4) SOCIAL EQUITY PLAN (New Section)</b></p> <p>The apparent low Bidder must submit to CPCS a completed Social Equity Plan within 3 Business Days of the Owner's issuance of the Notice of Intent to Award. A completed plan must include all sections applicable to the project including the Inclusion Plan Supplement, Apprenticeship, and Workforce Projections when required. The Social Equity Plan must indicate the firms and scopes with estimated dollars for all WMBE subcontractors, and must, if applicable, list all apprentice trade assignments and estimated hours. See Section 1-07.11. The apparent low Bidder should contact CPCS for help preparing the Plan to ensure completeness. The Social Equity Plan must be approved by CPCS prior to the Execution Date.</p>
8/15/18	1-04.3	Changes	<p><b>Delete the second paragraph after the list in this Section and replace it with the following:</b></p> <p>Changes in the Work will be incorporated into the Contract by Change Order. The exception is that a Change Order is not required for changes noted on field stakes or variations from estimated quantities that are less than 25 percent of the original Bid quantity. Changes noted on field stakes or variations from estimated quantities that are less than 25 percent of the original Bid quantity will be paid at the Bid Item prices that apply. The Contractor must respond immediately to changes shown on field stakes and proceed with the Work without waiting for further notice.</p>
10/09/17	1-05.3(5)	Early Submittals	<p><b>Delete item 5 from the numbered list in this Section.</b></p>

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8/15/18	1-05.5	Construction Stakes	<p><b>Delete the first 7 paragraphs in this Section and replace with the following:</b></p> <p>All Work constituting the practice of engineering or land surveying requires NAVD88 as the vertical datum, and NAD83 (1991) as the horizontal datum (see Standard Plan 001).</p> <p>Before the Engineer will provide survey control points, the Contractor must first provide a Project Site that has been prepared for safe and orderly installation of such control points as determined by the Engineer.</p> <p>The Engineer will furnish primary survey control points for Work areas at the Project Site as follows:</p> <ol style="list-style-type: none"> <li>2 intervisible horizontal control points for each continuous street between consecutive intersections, and no less than 2 points per 1320 linear feet measured along the centerline of street. T intersections branching off a street with no Work on that branching street will have 1 control point at the T intersection. T intersections branching off a street with Work on that branching street will have horizontal control points per the first sentence of this item 1.</li> <li>Two vertical control points for each continuous street between intersections within the Project Site. A minimum of 2 points per 1320 feet will be provided.</li> </ol> <p>The Standard Specifications also address additional survey controls provided by the Engineer for specific constructions. See Section 2-09.3(2) and, unless the Contract specifies otherwise, where the Engineer may provide additional staking, Sections 2-04.1(1), 2-09.1, 2-10.3(6), 2-13.3(1)A, 4-04.3(5), 5-04.3(4)C1, 7-18.3(1)A, 8-11.3(3), 8-15.3(1), 8-15.3(5), 8-16.1, and 8-18.3(1).</p> <p>The Contractor must use the Owner-furnished survey control points for all necessary calculation and survey for the Contractor to complete the Work, and assumes full responsibility for detailed dimensions, elevations, lines, grades, excavation slopes, and as may be required of the Work measured from these Engineer furnished survey control points.</p> <p>Survey control points provided by the Engineer for the Contractor must be preserved and not be disturbed. Should any discrepancy in survey control points provided by the Engineer be identified by the Contractor, then upon discovery, the Contractor must immediately notify the Engineer of such discrepancy including providing timely follow-up with written notice. In the absence of such immediate notification and follow-up written notice, the Contractor is responsible and liable for any error in alignment or grade at no separate or additional cost to the Owner.</p> <p>Any claim by the Contractor for extra payment or delay due to error in the Engineer provided survey control points is not allowed unless the original Engineer provided survey control points still exist undisturbed. For straight line and straight grade, the Contractor must provide at least 3 consecutive points to determine variation from a straight line or grade.</p>
10/09/17	1-07.1(2)	Safety Rules and Standards	<p><b>Delete the first and second paragraph after item 3 and replace it with the following:</b></p> <p>These requirements apply continuously and are not limited to normal working hours. The Engineer's review of the Contractor's performance may include review of, but does not determine the adequacy of, the Contractor's safety measures on the Work Site.</p> <p>The Contractor must establish, maintain, and supervise a safe and healthy working environment, an Acceptable Work Site, an accident prevention program, and training programs to improve the skill and competency of all employees with respect to occupational safety and health.</p>
8/15/18	1-07.9(1)D	Overtime	<p><b>Supplement this Section with the following:</b></p> <p>Overtime rates must be paid for all hours worked more than 40 hours per week. This Section provides a minimum public works overtime standard, and does not supersede prevailing overtime wage rates established under RCW 39.12.</p>
8/15/18	1-07.11(3)	Women and Minority Businesses and Non-Discrimination Requirements	<p><b>Delete the first paragraph in this Section and replace it with the following:</b></p> <p>The Owner will not enter into contracts with Contractors who do not agree to use Affirmative Efforts to employ or contract with women and minority group members as required under SMC 20.42, who do not agree to ensure an Acceptable Work Site, or who violate any provisions of SMC 20.42, or those requirements set forth below.</p>

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8/15/18	1-07.11(3)A	Affirmative Efforts	<p><b>Delete item 2.b. in this Section and replace it with the following:</b></p> <p>b. If applicable, the Contractor must submit a Social Equity Plan as Specified in Section 1-03.3(4).</p>
8/15/18	1-07.11(4)	Employment Non-discrimination Requirements	<p><b>Delete the first paragraph in this Section and replace it with the following:</b></p> <p>The Contractor must not inquire, collect, or otherwise condition employment based on immigration status. Unless otherwise provided in the Contract, no background checks will be performed as part of the employment process. The City has strict policies regarding the use of background checks, criminal checks, and immigrant status for contract workers. The policies are incorporated into the Contract and are available for viewing on-line at <a href="http://www.seattle.gov/city-purchasing-and-contracting/social-equity/background-checks">http://www.seattle.gov/city-purchasing-and-contracting/social-equity/background-checks</a>.</p> <p><b>Delete the third paragraph in this Section and replace it with the following:</b></p> <p>The Owner may monitor or audit the Contractor's non-discrimination policies and practices, including Affirmative Efforts to employ women or minority employees and Acceptable Work Sites. Monitoring may include proactive observations at the Work Site, interviews of individuals familiar with the Work Site, data that may evidence disparities, investigation of complaints by an individual familiar with the Work Site, or other evidence. The Owner may find unacceptable behavior and may pursue all appropriate contractual remedies.</p> <p><b>Delete the final paragraph in this Section and replace it with the following:</b></p> <p>The Contractor must ensure that all employees, particularly supervisors, are aware of, and comply with their obligation to maintain a working environment free from discriminatory conduct, including, but not limited to, harassment and intimidation of minorities and women, or WMBE businesses. The Contractor must display at each Work Site location, including the Project Site office, the appropriate materials supplied by the Owner regarding Acceptable Work Sites.</p>
8/15/18	1-07.11(6)C	Apprentice Utilization Plan	<p><b>Delete the contents of this Section and replace it with the following:</b></p> <p>As specified in Section 1-03.3(4), the Contractor must submit to CPCS, as part of the Social Equity Plan, a comprehensive plan outlining how the apprentice utilization requirements will be met on the total Contract labor hours. The plan must be submitted on a form provided by the Owner or by accessing <a href="http://www.seattle.gov/city-purchasing-and-contracting/social-equity/apprenticeships">http://www.seattle.gov/city-purchasing-and-contracting/social-equity/apprenticeships</a>. An approved plan is required prior to the Execution Date.</p> <p>CPCS may provide assistance in directing the Contractor to available resources for hiring apprentices. The Contractor, the Engineer, and CPCS must meet to discuss and change the plan as appropriate.</p>
10/09/17	1-07.11(7)	Violations	<p><b>Supplement this Section with the following:</b></p> <p>The Contractor must immediately report any violation of the requirements of this Section to CPCS.</p>
8/15/18	1-07.16(1)	Private and Public Property	<p><b>Delete the first sentence of the second paragraph in this Section and replace with the following:</b></p> <p>The Contractor must, at no additional cost to the Owner, restrict access and provide and install safeguards acceptable to the Engineer to protect employees and public and private property, including curb, gutters, and sidewalks.</p>

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4/22/19	1-07.28	Notifications Relative to Contractor's Activities	<p><b>Delete item 17 in this Section and replace it with the following:</b></p> <p>17. Survey Monumentation: When proposed construction, changes to proposed construction, or other activity requires removal or destruction of a survey monument, at least 2 Working Days prior to this work, the Contractor must provide the Engineer with a copy the Department of Natural Resources (DNR) permit authorizing the removal or destruction of the survey monument per WAC 332-120. Removal or destruction is defined to mean the physical disturbance or covering of a survey monument such that the survey point is no longer visible or readily accessible. Before Physical Completion, the Contractor must provide the Engineer a copy of the DNR final report form with evidence that each survey monument has been replaced or restored to its pre-construction position. For permitting information see <a href="http://www.dnr.wa.gov/publications/eng_plso_remove_destroy_monument.zip">http://www.dnr.wa.gov/publications/eng_plso_remove_destroy_monument.zip</a> or call DNR at (360) 902-1230. At the time the permits are provided to the Engineer, the Contractor must forward a copy of this initial DNR permit with authorizing signatures and final report form to the Land Survey Manager, Seattle Public Utilities, physical address: Seattle Municipal Tower, 700 Fifth Avenue, or mailing address: PO Box 34018, Seattle, WA 98124-4018.</p>
8/15/18	1-09.7	Payments for Mobilization	<p><b>Delete items 1-3 and replace with the following:</b></p> <ol style="list-style-type: none"> <li>When 5 percent of the Contract Price (with exclusions applied) is earned from the original Contract Bid Items, the lower of either 50 percent of the amount Bid for mobilization or 5 percent of the Contract Price (with exclusions applied) will be paid.</li> <li>When 10 percent of the Contract Price (with exclusions applied) is earned from the original Contract Bid Items, the lower of either 100 percent of the amount Bid for mobilization or 10 percent of the Contract Price (with exclusions applied) will be paid.</li> <li>Any remaining costs for the mobilization Bid Item will be paid following the project's Physical Completion Date.</li> </ol>
4/22/19	1-09.9(3)	Owner's Right to Withhold and Disburse Certain Amounts	<p><b>Insert the following new item 7.d. into the list in this Section:</b></p> <ol style="list-style-type: none"> <li>Failure of the Contractor to submit approved Washington State Department of Natural Resources permits prior to the destroying or removing of survey monuments, or failure to submit completion reports after destroying or removing survey monuments as specified in Section 1-07.28, item 17.</li> </ol>
8/15/18	1-09.11(7)	Subcontractor Claims against Bonds	<p><b>Delete the last paragraph in this Section and replace it with the following:</b></p> <p>To obtain a copy of a bond or notify the Owner of a lien or claim against the Contractor's Payment and Performance Bond or the Retainage Bond, send the request or notification to the CPCS Director at the CPCS mailing address, see Section <a href="#">1-02.9(1)</a>.</p>
4/22/19	1-10.2(5)C	General Traffic Control Restrictions	<p><b>Delete item 3 in the list in this Section and replace it with the following:</b></p> <ol style="list-style-type: none"> <li>Holiday Construction Moratorium (City of Seattle Only): <ol style="list-style-type: none"> <li>No construction activities will be allowed on any portion of a project that lies within the Central Business District or the Pioneer Square area from Thanksgiving Day through New Year's Day inclusive. The Central Business District is that area within the boundaries of Interstate 5 on the east, Seneca Street on the south, First Avenue on the west, Virginia Street and Denny Way (east of Fairview Avenue) on the north. The Pioneer Square Area is that area within the boundaries of Alaskan Way on the west, Second Avenue and Second Avenue South on the east, Columbia Street on the north and King Street on the south.</li> <li>No construction activities will be allowed on any portion of a project that lies within the Chinatown-International District during the period beginning three weeks before Lunar New Year holiday and ending three weeks after Lunar New Year holiday. The exact date of the Lunar New Year holiday changes each year. See the SDOT Street Use Construction web page for additional information: <a href="http://www.seattle.gov/transportation/permits-and-services/permits/construction-use-in-the-right-of-way">http://www.seattle.gov/transportation/permits-and-services/permits/construction-use-in-the-right-of-way</a> The Chinatown-International District boundary, for the purposes of the Holiday Construction Moratorium, is the area delineated by the International Special Review District boundary defined on Map A in SMC 23.66.302.</li> </ol> </li> </ol>
8/15/18	2-04.1(2)	Classification	<p><b>Delete the last sentence in this Section and replace it with the following:</b></p> <p>Where widening of roadway cuts and ditches and excavations of 3 feet or less below the designated subgrade are directed by the Engineer, they will be considered common excavation.</p>

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8/15/18	2-07.3(2)	Safety Systems	<p><b>Delete the second paragraph in this Section and replace it with the following:</b></p> <p>The safety system must provide safe working conditions in the excavation. The Contractor may use a shield system for trenches. All Work outside of the neat line limits required to restore conditions that were disturbed by the Contractor's operations, including: handling and disposal of excavated material; additional backfill beyond neat line limits; or additional surface restoration beyond limits specified in the Contract; as well as repair of damage to adjacent structure, improvement, or underground installation, will be at the Contractor's sole expense and at no additional or separate cost to the Owner. Neat line limits for trenches are shown on Standard Plans 284 and 350. For structural excavation neat line limits see Section 2-04.4.</p>
8/15/18	2-08.3(1)	General Requirements for Dewatering	<p><b>Delete the second paragraph in this Section and replace it with the following:</b></p> <p>The Contractor must submit the method and installation of the dewatering system to the Engineer at least 10 Working Days before dewatering starts. This submittal must be designed and stamped by a licensed Hydrogeologist or Professional Engineer, as specified in Section 1-05.3(12). The submittal must indicate the number and types of equipment and pipelines to be used, dewatering capacity, dewatering pits and locations, water discharge locations, an estimate of advance time to dewater the excavation before work in the excavation when necessary, and any other information necessary to verify acceptable control and performance.</p>
8/15/18	2-09.5	Payment	<p><b>Delete the last paragraph in this Section and replace it with the following:</b></p> <p>Where specified in the Contract, or where directed by the Engineer, Mineral Aggregate backfill used instead of native material will be paid as "Mineral Aggregate, (Type)" as specified in Section 4-01.</p>
10/09/17	4-01.5	Payment	<p><b>Delete the first 2 paragraphs under Item 3, and replace them with the following:</b></p> <p>Unless included in other Bid Items for payment, the Bid Item price for "Mineral Aggregate, (Type)" for backfill of walls and utility trenches includes all costs for the work required by the cubic yard in place as determined by the neat lines shown on the Drawings or Standard Plans less the volume of pipes and Structures greater than 6 inches outside diameter or other minor Structures greater than 1 cubic yard.</p> <p>Unless included in other Bid Items for payment, the Bid Item price for "Mineral Aggregate, (Type)" backfill of foundations and drains, except behind a wall, includes all costs for the work required by the cubic yard in place as determined by the neat lines shown on the Drawings or the Standard Plans. Payment for minor and local quantities of backfill for drains surrounding weep holes of 1 cubic yard or less will be included in the Bid Item price for concrete in place per Section 6-02.5 and no separate or additional payment will be made.</p>
8/15/18	5-05.3(20)	Patterned and Colored Cement Concrete Treatment	<p><b>Delete the second to last Paragraph in this Section and replace it with the following:</b></p> <p>Construct as many test panels as necessary to produce sample panels that meet the approval of the Engineer. The permanent work must be consistent with the appearance of the approved test panels. The test panels must not be incorporated into the Work and must be disposed of under the Contract.</p>
8/15/18	5-05.3(21)	Exposed Aggregate Cement Concrete Treatment	<p><b>Delete the second to last Paragraph in this Section and replace it with the following:</b></p> <p>Construct as many test panels as necessary to produce sample panels that meet the approval of the Engineer. The permanent work must be consistent with the appearance of the approved test panels. The test panels must not be incorporated into the Work and must be disposed of under the Contract.</p>
8/15/18	7-05.3(1)K	Maintenance Hole Pipe Connections	<p><b>Supplement this Section with the following:</b></p> <p>Vitrified clay pipe connecting to the maintenance hole must have a second flexible joint connected to the first flexible joint entering or leaving the maintenance hole, as shown in Standard Plan 215. The second flexible joint must be a maximum of 24 inches from the first joint, and must be placed firmly on compacted bedding.</p>

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8/15/18	7-05.3(1)L	Maintenance Hole Grade Adjustment	<p><b>Delete the second paragraph in this Section and replace it with the following:</b></p> <p>Final elevation and slope of the frame and cover must conform to the restored and adjacent street surface. No warping of grades instead of maintenance hole frame adjustment will be allowed. All joints in the brick or ring adjustment must be filled with mortar to a thickness of 1/4 inch minimum to 1/2 inch maximum, and the casting must be seated in mortar a thickness of 1/4 inch minimum to 1/2 inch maximum placed on the top brick course. Lay bricks in a running bond pattern. When the frame is circular, use radial bricks or concrete grade rings.</p>
8/15/18	7-05.3(3)	Junction Box	<p><b>Delete the contents of this Section and replace it with the following:</b></p> <p>Install junction boxes as shown on the Drawings. See Standard Plan 277 and Sections 9-12.8 and 9-04.3(3)B. Fill the bottom of the structure to match the invert of the lowest pipe and slope to drain.</p>
8/15/18	7-08.3(4)	Catch Basin Connections	<p><b>Delete the last sentence of the 5<sup>th</sup> paragraph in this Section and replace it with the following:</b></p> <p>Bedding for catch basin connection pipe must be as specified in Section 7-17.3(1) for the pipe material used.</p>
8/15/18	7-08.3(4)	Inlet Connections	<p><b>Delete the last sentence of the 5<sup>th</sup> paragraph in this Section and replace it with the following:</b></p> <p>Bedding for inlet connection pipe must be as specified in Section 7-17.3(1) for the pipe material used.</p>
8/15/18	7-11.3(1)C3	Sand Bedding at Trench Crossing	<p><b>Delete Item 2. from the list in this Section, and renumber Items 3. and 4. as Items 2. and 3., respectively.</b></p>
8/15/18	7-11.3(2)A	General	<p><b>Delete the contents of this Section and replace with the following:</b></p> <p>Pipe ends must be sealed from the time the pipe is manufactured until the time it is installed to prevent dirt, water, or debris from entering the pipe segments. Protect threaded pipe ends using couplings or other means until the pipe is installed.</p> <p>Inspect the pipe and fittings for defects upon delivery to the Project Site.</p> <p>All types of pipe must be handled in a manner that prevents damage to the pipe and pipe lining or coating. Use heavy canvas or nylon slings of suitable strength to lift and support materials. Chains or cables must not be used to lift and support materials. Pipe and fittings must not be dropped, skidded, or rolled against other pipe. Damaged pipe will be rejected, and the Contractor must immediately place all damaged pipe apart from the undamaged pipe and remove the damaged pipe from the Project Site within 24 hours.</p> <p>Stack pipe in a way that prevents damage to the pipe and prevents any movement of the pipe. Keep the bottom tiers of the stack off the ground on timbers, rails, or similar supports. Alternate pipe on succeeding tiers by bell and plain end. Place timbers 4" x 4" in size between tiers and place chocks at each end to prevent movement. Stack each size of pipe separately.</p> <p>Ductile iron and cast iron pipe, while suspended above grade, must be rung with a light hammer to detect cracks. Prevent dirt or other foreign material from entering the pipe or pipe joint during installation. When pipe installation is not in progress, close the open ends of the pipe in the trench with a water tight plug or other approved means to ensure cleanliness inside the pipe. Any pipe or fitting installed with dirt or foreign material in it must be removed, cleaned, and reinstalled.</p>
8/15/18	7-11.3(8)A	Wax Tape Coating	<p><b>Delete the first paragraph in this Section and replace it with the following:</b></p> <p>When specified in the Contract, wax tape coating must be field applied to Water Main including pipe, fittings, valves, couplings, bolts, flanges, shackle rods, or other appurtenances, see Section 9-30.1(4)F.</p>
10/09/17	7-11.3(9)A	Connections to Existing Water Mains	<p><b>Delete the first item 6. in this Section, and replace it with the following:</b></p> <p>6. Connections must be made within 14 Calendar Days after the Contractor receives written notice from the Engineer of acceptable bacteriological laboratory sampling results after flushing and disinfection of the pipes.</p>

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10/09/17	7-11.3(12)A	General (Flushing and Disinfection of Water Mains)	<p><b>Delete the 3<sup>rd</sup> paragraph in this Section and replace it with the following:</b></p> <p>Coordinate with the Engineer for the location of sampling taps. All bacteriological analysis will be performed by the SPU Water Quality Laboratory. Written notice of the results of sample analysis will be returned to the Contractor 2 Working Days after the sampling. Analysis of any sample indicating unacceptable results requires the remedy specified in Section 7-11.3(12)K. Analysis of samples indicating acceptable results requires the new Water Main be connected to existing Water Main within 14 Calendar Days of the Date of written notice from the Engineer to the Contractor. Failure to make the connection within this time frame requires additional disinfection, flushing, and additional sampling and testing for acceptable results. The Engineer may perform additional bacteriological sampling and testing at any time.</p>
8/15/18	7-11.3(13)	Concrete Thrust Blocking	<p><b>Supplement the second paragraph in this Section with the following:</b></p> <p>If ecology blocks are used for thrust blocking on tees, the Contractor must place metal spacers/shims between the ecology blocks and the body of the tee to transfer load to the body of the tee between the bells. Thrust blocking that transfers the load to the bells of the tee will be rejected.</p>
8/15/18	7-17.3(2)C3	Cut In Tee on Existing or New Pipe	<p><b>Delete item 3 and replace with the following:</b></p> <p>3. Corrugated metal tee to corrugated metal pipe: In corrugated steel and aluminum pipes, sawcut a hole to match a shop fabricated tee as shown on Standard Plan 279.</p> <p>The flange plate of the fabricated tee must be corrugated to match corrugation of the pipe to which it is attached. Insert a neoprene gasket or approved equal between the outside face of the existing pipe and the flange plate of the tee and connect with self-tapping stainless steel screws.</p> <p>Connect the incoming pipe and the tee using a flexible gasketed coupling with stainless steel shielding as specified in Section 9-05.18. Provide corrosion protection for the pipe section of the tee by isolating the aluminum from the steel by extending the gasket 1 inch beyond the edge of the stainless steel coupling.</p>
10/09/17	7-17.4	Measurement	<p><b>Delete the last paragraph of this Section and replace it with the following:</b></p> <p>Measurement for "Mineral Aggregate, (Type)" for trench backfill will be as specified in Section 4-01.5. Imported Mineral Aggregate used beyond these neat line limits will be at the Contractor's sole expense.</p>
10/09/17	7-17.5	Payment	<p><b>Delete Item 2. a. and replace it with the following:</b></p> <p>a. Trench excavation, installing and joining pipe, and backfill and compaction of suitable native Material backfill;</p> <p><b>Delete Item 2. d. and renumber the subsequent items.</b></p>
8/15/18	7-20.5	Payment	<p><b>Delete the third from last paragraph in this Section and replace it with the following:</b></p> <p>The costs for placement and removal of asphalt or cement concrete used to secure castings before paving are considered incidental to the Work and no separate payment will be made.</p>
8/15/18	8-03.3(9)	Flushing and Testing	<p><b>Delete Item 2. from the list in this Section and replace it with the following:</b></p> <p>2. All main supply lines must be purged of air and tested with a minimum static water pressure of 150 psi for 60 minutes without introduction of additional service or pumping pressure. Testing must be done with 1 pressure gauge installed on the line at a location specified by the Engineer. The Contractor must provide a back-up pressure gage on site during pressure testing. Lines which show loss of pressure exceeding 5 psi at the ends of test periods specified in the Contract will be rejected. The Contractor must correct rejected installations and must retest them for acceptance.</p>



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4/22/19	8-13.3(1)	Reference Points – General	<p><b>Delete the second paragraph in this Section and replace it with the following:</b></p> <p>The survey monument must be as shown on Standard Plan 020a and must be set by the land surveyor.</p>
4/22/19	8-13.5	Payment	<p><b>Delete item 4 in this Section and replace it with the following:</b></p> <p>4. “Relocate or Reset Monument and Monument Frame and Cover”, per each  The Bid Item Price for “Relocate or Reset Monument and Monument Frame and Cover” must include all costs for the work required to furnish and survey in the new monument, and to furnish and install a new frame and cover at a location to be determined by the Engineer. Costs for this Bid Item must also include filing a DNR “Remove or Destroy a Survey Monument Permit” per Chapter 332-120 WAC and providing a copy of this permit to the Engineer.</p>
8/15/18	8-14.5	Payment	<p><b>Supplement the paragraphs under item 6 with the following:</b></p> <p>Payment for detectable warning plate will be made separately as specified in this Section.</p>
8/15/18	8-15.3(5)A	Concrete Slab for Hydrant Wall Requirements	<p><b>Delete this Section in its entirety and replace it with the following</b></p> <p><b>8-15.3(5)A        RESERVED</b></p>
8/15/18	8-22.3(3)E	Installation	<p><b>Delete the last paragraph in this Section.</b></p>
8/15/18	8-22.4	Measurement	<p><b>Delete the last paragraph in this Section.</b></p>
8/15/18	8-22.5	Payment	<p><b>Delete payment item 8. and the last paragraph in this Section and replace with the following:</b></p> <p>Sharrows to be installed as shown on the Drawings will be measured and paid as “Pavement Marking, Thermoplastic, Legend/Symbol”, per each.</p>
4/22/19	9-03.16(1)B	Recycled Portland Cement Concrete Rubble	<p><b>Insert the following items after item 3:</b></p> <p>4. As a backfill or bedding material for cast iron, ductile iron, or steel Water Mains and their associated appurtenances.  5. As a backfill or bedding material for any other utility where it crosses within 3 feet, horizontally or vertically, of cast iron, ductile iron, or steel Water Mains and their associated appurtenances.</p>

Revision Date	Section / Plan	Current Title	Text / Editor's Note																														
8/15/18	9-05.2(5)	Concrete Pipe Joints and Testing	<p><b>Delete this Section and its Subsections and replace with the following:</b></p> <p><b>9-05.2(5) CONCRETE PIPE JOINTS AND TESTING</b></p> <p><b>9-05.2(5)A GENERAL</b></p> <p>All concrete pipe must be joined with rubber gaskets. The joints and gasket material must comply with the Specifications of ASTM C 443 and ASTM C 1619. Gasket Material must be protected as specified in Section 9-04.4(6).</p> <p>Both bell and spigot must be reinforced in all pipe 30 inches or larger in diameter per Section 8.2 of ASTM C 76.</p> <p><b>9-05.2(5)B TESTING CONCRETE PIPE JOINTS</b></p> <p>When a particular type of pipe joint design, joint material, and/or joining method has not previously been tested and approved by the Engineer, the proposed joint design must be tested in the presence of the Engineer as described in Section 9 of ASTM C 443 to qualify the design, joint material, and/or joining method for acceptance. As determined by the Engineer, additional testing may be required if subsequent field testing of installed pipe indicates difficulty in verifying acceptable joined pipe performance. The tests made under this Specification must be conducted at the Supplier and the Contractor must make available space and facilities to accommodate the testing in an efficient and workmanlike manner.</p>																														
8/15/18	9-05.4(2)	C900 PVC Pipe (New Section)	<p><b>Add the following new Section:</b></p> <p><b>9-05.4(2) C900 PVC PIPE (New Section)</b></p> <p>C900 PVC pipe must be manufactured from compounds conforming to cell classification 21454 as defined in AWWA C900-16. The integral bell joint system must meet the requirements of ASTM D-3139 and utilize an elastomeric seal meeting the specification defined in ASTM F-477. Unless noted otherwise, C900 pipe used for Sewer and drainage applications must be dimension ratio (DR) 18 and must be colored white.</p> <p>C900 PVC pipe as specified in this Section may only be used for Sewer and drainage applications and is not allowed for use in Water Mains.</p>																														
10/09/17	9-05.15	Cement Slurry Abandoning Pipe or Filling Annular Space Between 2 Pipes	<p><b>Delete the contents of this Section and replace it with the following:</b></p> <p>Materials must comply with the following standards:</p> <table><tr><th>Material</th><th>Standard</th></tr><tr><td>Portland Cement</td><td>Section 9-01</td></tr><tr><td>Fly Ash</td><td>Section 9-23.6</td></tr><tr><td>GGBFS</td><td>Section 9-23.7</td></tr><tr><td>Limestone</td><td>Section 9-23.10</td></tr><tr><td>Fine Aggregate</td><td>Section 9-03.1(2)</td></tr><tr><td>Chemical Admixtures</td><td>Section 9-23.4</td></tr><tr><td>Foaming Agent</td><td>ASTM C869</td></tr><tr><td>Water</td><td>Section 9-25.1</td></tr></table> <p>Material used to fill the annular space between an inner and outer pipe, or used to abandon pipe in place, must be a foamed cement slurry that is pumpable, flowable, and must completely fill the annular space between pipes or the interior space of the abandoned pipe without loss of volume. The foamed cement slurry must have the following properties:</p> <table><tr><th>Property</th><th>Requirement</th></tr><tr><td>Density – ASTM C138</td><td>65 pcf, min.</td></tr><tr><td>Slump – ASTM C143</td><td>8 inches, min.</td></tr><tr><td>Compressive Strength @ 24 hrs. – ASTM C4832</td><td>15 psi, min.</td></tr><tr><td>Compressive Strength @ 28 Days – ASTM C4832</td><td>150 psi, min.</td></tr><tr><td>Water-Cement Ratio</td><td>0.90 max.</td></tr></table> <p>In addition to the properties shown above, test cylinders made in accordance with ASTM C4832 from samples taken at the point of placement (after the pump, if used) must not show any loss of volume after the foamed cement slurry has achieved final set.</p>	Material	Standard	Portland Cement	Section 9-01	Fly Ash	Section 9-23.6	GGBFS	Section 9-23.7	Limestone	Section 9-23.10	Fine Aggregate	Section 9-03.1(2)	Chemical Admixtures	Section 9-23.4	Foaming Agent	ASTM C869	Water	Section 9-25.1	Property	Requirement	Density – ASTM C138	65 pcf, min.	Slump – ASTM C143	8 inches, min.	Compressive Strength @ 24 hrs. – ASTM C4832	15 psi, min.	Compressive Strength @ 28 Days – ASTM C4832	150 psi, min.	Water-Cement Ratio	0.90 max.
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8/15/18	9-07.5	Dowel Bars (For Cement Concrete Pavement)	<p><b>Delete the contents of this Section and replace it with the following:</b></p> <p>Epoxy-coated dowel bars must be round plain steel bars of the dimensions shown on Standard Plans 405b and 405c. Dowels must conform to AASHTO M31, Grade 60 or ASTM A615, Grade 60, and must be coated with ASTM A1078 Type 2 coating except that the bars may be cut to length after being coated. Cut ends must be coated in accordance with ASTM A1078 with a patching material that is compatible with the coating, inert in concrete and recommended by the coating manufacturer. The thickness of the cured powder coating must be 10 mils ± 2 mils. The Contractor must furnish a written certification that properly identifies the coating material, the number of each batch of coating material used, quantity represented, date of manufacture, name and address of manufacturer, and a statement that the supplied coating material meets the requirements of ASTM A1078 Type 2 coating.</p> <p>Patching material, compatible with the coating material and inert in concrete, and recommended by the manufacturer, must be supplied with each shipment for field repairs by the Contractor.</p>
10/09/17	9-08.1(2)J	Black Enamel	<p><b>Delete the contents of this Section and replace it with the following:</b></p> <p>The enamel must conform to Federal Specification MIL PRF 24635E Type II Class II.</p>
10/09/17	9-09.2	Grade Requirements	<p><b>Delete the last paragraph of this Section and replace it with the following:</b></p> <p>Sign posts must comply with Section 9-28.2.</p>
8/15/18	9-14.1(6)	General Turf Area Soil	<p><b>Delete the first paragraph in this Section and replace it with the following:</b></p> <p>General turf area soil is for general use and passive recreation lawn areas, where year-round maintenance and positive drainage are important. For sports fields or high-traffic lawn areas such as Seattle Center, the Contractor must use high performance turf mix, as specified in Section 9-14.1(7).</p>
10/09/17	9-28.2(1)	Parking Meter Post	<b>Delete this Section in its entirety.</b>
10/09/17	9-28.2(1)A	General (Parking Meter Post)	<b>Delete this Section in its entirety.</b>
10/09/17	9-28.2(1)B	Direct Burial Parking Meter Post	<b>Delete this Section in its entirety.</b>
10/09/17	9-28.2(1)C	Surface Mounted Parking Meter Posts	<b>Delete this Section in its entirety.</b>
10/09/17	9-29.2(2)	Prohibited Materials	<p><b>Delete the contents of this Section and replace it with the following:</b></p> <p>Traffic paint must not contain mercury, lead, chromium, toluene, chlorinated solvents, hydrolysable chlorine derivatives, polychlorinated biphenyls (PCBs), ethylene-based glycol ethers and their acetates, nor any other EPA hazardous waste material over the regulatory levels per CFR 40 Part 261.24.</p>
10/09/17	9-36.1	General (Detectable Warning)	<p><b>Delete the third paragraph of this Section and replace it with the following:</b></p> <p>See Standard Plan 422k for truncated domes detail.</p>

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8/15/18	SP 003o	Standard Symbols Private Utilities	Standard symbol added for gas mains < 1' in diameter.
8/15/18	SP 003P	Standard Symbols Water	New symbol added for concrete blocking, blocking symbol removed from other symbols for bends.
8/15/18	SP 030	Desirable Locations for Utilities	Corrected shalls to musts, corrected notes for Storm/Water separation from CL of street, should not be "either side of CL."
10/09/17	SP 040	Stabilized Construction Entrance	Modified to add note addressing stabilized construction entrances on Parks property
8/15/18	SP 215 (NEW)	Flexible Joint of VCP Connection to Maintenance Holes	New Standard Plan
8/15/18	SP 220	Rebuild Existing Brick Maintenance Hole	Deleted callout for grout skim coat.
8/15/18	SP 272b	PVC Shear Gate for Use in ROW Only	Note on Lift Handle detail revised.
8/15/18	SP 277	Type 277 Junction Box & Installation	Revised references for content and convention.
8/15/18	SP 279	Tee Installation Corrugated Metal Pipe	Revised to remove cut-in installation option and modify saddle installation requirements.
10/09/17	SP 285	Pipe Bedding Sewer/Storm Drains	Revised to update some Standard Specification references, and delete outdated references.
8/15/18	SP 290	Bridge Drain	Revised to remove incorrect Standard Specification reference.
10/09/17	SP 296	Curb Inlet Frame	Deleted
10/09/17	SP 297	Curb inlet Vaned Grate	Deleted
8/15/18	SP 300a	Connections to Existing Watermains	Revised note 9.
8/15/18	SP 300b	Connections to Existing Watermains	Revised to remove note 9 callout and add additional required sleeve.
10/09/17	SP 310a	Type 310 Hydrant Setting Detail	Revised to add 1' spool between hydrant and valve, and replace weep hole with bleeder valve.

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10/09/17	SP 310b	Type 310 Hydrant Setting Detail	Revised to add 1' spool between hydrant and valve, and replace weep hole with bleeder valve.
8/15/18	SP 311a	Type 311 Hydrant Setting Detail	Revised to replace weep hole with bleeder valve. Revised to delete Note 8
10/09/17	SP 311b	Type 311 Hydrant Setting Detail	Revised to replace weep hole with bleeder valve.
8/15/18	SP 331a	Watermain Thrust Blocking Horizontal Fittings	Revised to allow ecology block use for tees & more 11 deg bends, modify note.
10/09/17	SP 422a – i SP 422k	Curb Ramp	Various updates to curb ramp details, including changes to notes language, general note clarifications, and changes to payment limits and clear space delineations.
8/15/18	SP 510a	Vehicular Signal Mounting	Revised to add “Span Mounting” detail title
10/09/17	SP 550a	Handholes	Modified to change labeling from “TC” to “SDOT”
10/09/17	SP 550c	Polymer Concrete Handholes	Modified to change labeling from “TC” to “SDOT”
8/15/18	SP 580	Traffic Conduit Riser	Standard Plan significantly modified
10/09/17	SP 629	Direct Burial Meter Post Installation Detail	Delete this Standard Plan
8/15/18	SP 631	Pedestrian Way Finding Sign	Corrected the referenced Standard Spec Section

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