

02/22/17 – Please note; no recommended amendments to the 2014 edition were developed beyond 02/24/2016. All proposed and accepted changes to the 2014 edition beyond this date were incorporated directly into the 2017 edition of the Specs and Plans. Redline markups for the 2014 Standard Plans listed at the bottom of this table can be found one view back. Clean copies of the 2014 Standard Plans listed at the bottom of this table can be found in the 2017 edition.

This table lists recommended amendments to the 2014 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/Standard_Plans_&_Specs/Amendments/index.htm

Revision Date	Section/Plan	Current Title	Text
09/30/14*	1-05.3(5)	Early Submittals Editor’s Note: Corrects list of required submittals to be submitted to the Engineer before the preconstruction conference.	Delete items 2. and 3. from the first list in this Section and replace with the following: <ol style="list-style-type: none"> 2. Initial Submittal Control Document; see Section 1-05.3(4) 3. List of waste, recycle and disposal sites; see Section 1-07.3 4. Signed “Transfer of Coverage for Construction Stormwater General Permit” form, when applicable (see Section 1-07.15). 5. Social Equity Plan (including Apprenticeship Utilization Plan), as applicable; see Section 1-07.11(2)A.
09/30/14*	1-05.13(2)	Reserved Editor’s Note: Change needed to reflect new Construction Contracts Teaming 360 Review Form and the Deficient Contractor Performance Evaluation Program Form which are located in the Appendix of the Project Manual	Delete this Title and Section and replace with the following: 1-05.13(2) PERFORMANCE The full Construction Contracts Teaming 360 Review Form and the Deficient Contractor Performance Evaluation Program and Form are located in the Appendix of the Project Manual. <ol style="list-style-type: none"> 1. The 360 Review A Teaming 360 Review process and form is required for all projects with an engineer’s estimate of \$1,000,000 or more. This form and process will be utilized by the City for other projects if the City has determined that it may prove beneficial to the City and Contractor. The 360 Review is intended to: <ol style="list-style-type: none"> a. Support collaborative communications on City construction projects; and b. Share information at preconstruction, project midpoint, and project physical completion to team and facilitate a quality construction experience for both the Owner and the Contractor. The 360 Review is provided for communication and collaboration, not for determinations of responsibility, debarment or performance. If a Contractor’s performance is so significantly below standards as to be deficient, follow Subsection 2 below. 2. Contractor Deficient Performance Evaluation If the administering department determines that the Contractor’s performance during the construction of the project is so significantly below City standards as to be deficient, the department will follow the Deficient Contractor Performance Evaluation Program and Form. If the deficiency is regarding the Contractor’s compliance with social equity requirements during the project, the evaluation will be provided by the City Purchasing and Contracting Services on a separate Deficient Contractor’s Performance Evaluation Form. The Contractor’s Deficient Performance Evaluation Program is intended to: <ol style="list-style-type: none"> a. Provide the City with a rational basis when determining Bidder responsibility in awarding future Work; and b. Provide a history and an assessment of a Contractor’s performance on prior City Contracts for use in debarment proceedings as authorized by SMC 20.70.050.
09/30/14*	1-07.17(1)	Utilities and Similar Facilities;	At the end of the ninth paragraph, replace Section 1-05.3(5) with Section 1-05.3(6).

Revision Date	Section/Plan	Current Title	Text
		General Editor's Note: Corrects reference.	
09/30/14*	1-08.1(2)A	Preconstruction Conference Editor's Note: Corrects submittal requirements.	Add item 8. and make the current item 8. be item 9. 8. To start the 360 Review process for projects as applicable; see 1-05.13(2); and Delete everything after the new item 9 and replace with: See section 1-05.3(5) for submittals due at the preconstruction conference.
09/30/14*	1-09.6(3)	Force Account; Materials Editor's Note: Clarifies terms to make Section more consistent.	In the second sentence, replace " Materials" with "direct material costs"
09/30/14*	1-09.9(4)A	Request for Contract Completion Date Editor's Note: Supports correction to Section 1-05.3(5)	Under 1. add g. and make the current g. the new h. g. The 360 Review is completed for all applicable projects; and
09/30/14*	1-10.3(1)C	Traffic Control Peace Officers Editor's Note: removes superfluous language.	In the sixth and final paragraph of this Section, delete everything after "showing the hours actually worked..." and place a period after the word "worked".
*			The above changes to Division 1 were issued internally to City Departments by the Department of Finance and Administration on August 15, 2014.
2/24/16	2-04.3(1)A	Stockpiling and Reuse of Excavated Materials Editor's Note: This change is needed to correct an error associated with incorrectly referencing the SMC. (replaces previous amendment dated 9/30/14)	Delete the third sentence of the second paragraph and replace with the following: Within Seattle City limits, stockpile height shall not exceed 10 feet, in accordance with current City of Seattle Grading Code.
2/24/16	2-07.3(3)	Support and Safety Systems Editor's Note: corrects reference	Delete the first sentence of the first paragraph and replace with the following: In addition to worker safety requirements specified in Section 2-07.3(2) Safety Systems, where trench or structural excavations are to be laterally supported as required in the Contract at locations indicated on the Drawings, the lateral support system shall be as defined in WAC 296-155-650. Trench boxes do not meet the requirements of a support system. Delete the third paragraph and replace with the following: The Contractor shall submit Shop Drawings (Section 1-05.3) and design calculations (Section 1-05.3(12)) of the proposed support system including loading calculations, structural member and system calculations, and sufficient details of installation, maintenance, and removal concurrent with excavation, installation, removal, and backfilling. Calculations shall also address adjacent structures and/or underground installations and construction related loads imposed on the support and safety system.

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09/30/14	2-10.2(2)A	Borrow Sites Editor's Note: Corrects Code references.	Delete the second and third paragraphs of this section and replace with the following: Borrow sites located within the City limits of Seattle shall be in accordance with the Seattle Municipal Code, Chapter 22.170 and shall require a grading permit issued to the property owner by the Director of Planning and Development. Borrow sites located outside the City limits of Seattle but within unincorporated King County, shall be subject to the rules and regulations set forth in the King County Code, Title 16 Building and Construction Standard. Borrow sites may also be subject to rules and regulations of a local governmental authority if located within its' jurisdiction.																																																														
09/30/14	5-05.3(1)	Concrete Mix Design Editor's Note: Expands the use of Pozzolans from 25 to 30 %.	Delete items 4., 7. and 9. and replace with the following: 4. Roadway Cement Concrete, W/30% pozzolans; "W/30% pozzolans" indicates that this minimal cement content is desired and the use of pozzolans is required. "W/30% pozzolans" and "Roadway" are included in the Bid item description. 7. Non-Roadway Cement Concrete, High Strength W/30% pozzolans; "High Strength" indicates a high- strength non-roadway cement concrete. "W/30% pozzolans" indicates that this minimal cement content is desired and the use of pozzolans is required. "High Strength", "Non-Roadway" & "W/30% pozzolans" are included in the reference. 9. Non-Roadway Cement Concrete, W/30% pozzolans; "W/30% pozzolans" indicates that this minimal cement content is desired and the use of pozzolans is required. "Non-Roadway" & "W/30% pozzolans" are included in the reference.																																																														
09/30/14	5-05.3(1) TABLE 1	Concrete Mix Design Table 1 Editor's Note: Expands the use of Pozzolans from 25 to 30 %. Also see changes for Section 9-01.2(4) and 9-23.13.	Replace Table 1 with the following (footnotes for the table are unchanged): <table><tr><th colspan="7">TABLE 1</th></tr><tr><th rowspan="2">Cement concrete mix class</th><th colspan="2">Design Strength Parameters</th><th colspan="2">Cementitious Material</th><th colspan="2">Pozzolans</th></tr><tr><th>Minimum flexural strength (psi)</th><th>Minimum compressive strength (psi)</th><th>Minimum (lbs/CY)</th><th>Maximum (lbs/CY)</th><th>Minimum % of Cementitious Material</th><th>Maximum % of Cementitious Material</th></tr><tr><td>Roadway Cement Concrete, Variable Mixes</td><td>570 at 28-Days¹ and 650 at 42-Days</td><td>3600 at 28 Days⁵</td><td>505</td><td>675⁴</td><td>None</td><td>10-Microsilica 30-Fly Ash 30-GGBFS 30-Combined³</td></tr><tr><td>Roadway Cement Concrete, HES</td><td>650 at 14-Days</td><td>3600 at 28 Days⁵</td><td>564</td><td>675⁴</td><td>None</td><td>10-Microsilica 30-Fly Ash 30-GGBFS 30-Combined³</td></tr><tr><td>Roadway Cement Concrete</td><td>570 at 28-Days¹ and 650 at 42-Days</td><td>3600 at 28 Days</td><td>505</td><td>587</td><td>None</td><td>10-Microsilica 30-Fly Ash 30-GGBFS 30-Combined³</td></tr><tr><td>Roadway Cement Concrete, W/30% pozzolans</td><td>570 at 28-Days¹ and 650 at 42-Days</td><td>3600 at 28 Days</td><td>505</td><td>587</td><td>30-Combined³</td><td>10-Microsilica 30-Fly Ash 30-GGBFS 30-Combined³</td></tr><tr><td colspan="7">Non-Roadway features are alleys, driveways, sidewalks, curb ramps, curbs, curb and gutters. Mix requirements below are referenced from Specification Sections addressing those features.</td></tr><tr><td>Non-Roadway Cement</td><td>N/A</td><td>3000 at 28 Days⁵</td><td>564</td><td>675⁴</td><td>None</td><td>10-Microsilica 30-Fly Ash</td></tr></table>	TABLE 1							Cement concrete mix class	Design Strength Parameters		Cementitious Material		Pozzolans		Minimum flexural strength (psi)	Minimum compressive strength (psi)	Minimum (lbs/CY)	Maximum (lbs/CY)	Minimum % of Cementitious Material	Maximum % of Cementitious Material	Roadway Cement Concrete, Variable Mixes	570 at 28-Days ¹ and 650 at 42-Days	3600 at 28 Days ⁵	505	675 ⁴	None	10-Microsilica 30-Fly Ash 30-GGBFS 30-Combined ³	Roadway Cement Concrete, HES	650 at 14-Days	3600 at 28 Days ⁵	564	675 ⁴	None	10-Microsilica 30-Fly Ash 30-GGBFS 30-Combined ³	Roadway Cement Concrete	570 at 28-Days ¹ and 650 at 42-Days	3600 at 28 Days	505	587	None	10-Microsilica 30-Fly Ash 30-GGBFS 30-Combined ³	Roadway Cement Concrete, W/30% pozzolans	570 at 28-Days ¹ and 650 at 42-Days	3600 at 28 Days	505	587	30-Combined ³	10-Microsilica 30-Fly Ash 30-GGBFS 30-Combined ³	Non-Roadway features are alleys, driveways, sidewalks, curb ramps, curbs, curb and gutters. Mix requirements below are referenced from Specification Sections addressing those features.							Non-Roadway Cement	N/A	3000 at 28 Days ⁵	564	675 ⁴	None	10-Microsilica 30-Fly Ash
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				Concrete, HES, High Strength							30-GGBFS 30-Combined ³																						
				Non-Roadway Cement Concrete, High Strength	N/A	3000 at 28 Days	463 ²	564	None		10-Microsilica 30-Fly Ash 30-GGBFS 30-Combined ³																						
				Non-Roadway Cement Concrete, W/30% pozzolans, High Strength	N/A	3000 at 28 Days	463 ²	564	30-Combined ³		10-Microsilica 30-Fly Ash 30-GGBFS 30-Combined ³																						
				Non-Roadway Cement Concrete	N/A	2500 at 28 Days	463 ²	505	None		10-Microsilica 30-Fly Ash 30-GGBFS 30-Combined ³																						
				Non-Roadway Cement Concrete, W/30% pozzolans	N/A	2500 at 28 Days	463 ²	505	30-Combined ³		10-Microsilica 30-Fly Ash 30-GGBFS 30-Combined ³																						
09/30/14	5-05.5	Payment Editor’s Note: Expands the use of Pozzolans from 25 to 30 %.	Replace items 4. and 8. with the following: 4. ”Roadway Cement Concrete, W/30% pozzolans, (thickness)” , per square yard. 8. ”Roadway Cement Concrete Base, W/30% pozzolans, (thickness)” , per square yard.																														
09/30/14	5-05.5(1)A	Thickness Deficiency Adjustment Editor’s Note: Corrects numbers in the “Average Thickness Deficiency (in) by Core ”column.	Replace table with the following: <table><tr><th>Average Thickness Deficiency (in) by Echo</th><th>Average Thickness Deficiency (in) by Core</th><th>Deficiency Adjustment (per square yard)</th></tr><tr><td><=0.10+(.03xD)</td><td><=0.10</td><td>-0.02</td></tr><tr><td>>0.10+(.03xD) & <=0.20+(.03xD)</td><td>>0.10 & <=0.20</td><td>-0.04</td></tr><tr><td>>0.20+(.03xD) & <=0.30+(.03xD)</td><td>>0.20 & <=0.30</td><td>-0.09</td></tr><tr><td>>0.30+(.03xD) & <=0.40+(.03xD)</td><td>>0.30 & <=0.40</td><td>-0.16</td></tr><tr><td>>0.40+(.03xD) & <=0.50+(.03xD)</td><td>>0.40 & <=0.50</td><td>-0.25</td></tr><tr><td>>0.50+(.03xD) & <=0.60+(.03xD)</td><td>>0.50 & <=0.60</td><td>-0.36</td></tr></table> D = specified thickness (in)										Average Thickness Deficiency (in) by Echo	Average Thickness Deficiency (in) by Core	Deficiency Adjustment (per square yard)	<=0.10+(.03xD)	<=0.10	-0.02	>0.10+(.03xD) & <=0.20+(.03xD)	>0.10 & <=0.20	-0.04	>0.20+(.03xD) & <=0.30+(.03xD)	>0.20 & <=0.30	-0.09	>0.30+(.03xD) & <=0.40+(.03xD)	>0.30 & <=0.40	-0.16	>0.40+(.03xD) & <=0.50+(.03xD)	>0.40 & <=0.50	-0.25	>0.50+(.03xD) & <=0.60+(.03xD)	>0.50 & <=0.60	-0.36
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09/30/14	5-05.5(1)B	Thickness Deficiency Rejection Editor’s Note: Corrects dimension that identifies deficiency.	Replace the first sentence in this Section with the following: When a thickness deficiency greater than 0.6 – inch is encountered, the Engineer will determine from supplemental thickness measurements the limits of the secondary unit.																														

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09/30/14	5-06.3(1)A	Mix Design Criteria Editor's Note: Expands the use of Pozzolans from 25 to 30 %.	Replace Item 7 with the following: 7. No more than 30 percent of portland cement in the mix, by weight, may be replaced by fly ash, ground granulated blast furnace slag, or a combination of both.
09/30/14	6-02.3(16)	Plans for Falsework and Formwork Editor's Note: Corrects existing numbering error for this section.	Delete the 2nd sentence of item 4. ""Plan approval can be done..." and items 5., 6., 7., and 8. Replace with the following in a separate paragraph directly after item 4.: Plan approval can be done by the Engineer for footings and walls 4-feet to 8-feet high (excluding pedestal height) provided: <ol style="list-style-type: none"> Concrete placement rate is 4-feet per hour or less. Facing is ¾-inch plywood with grade as specified per Section 6-02.3(17)J. Studs, with plywood face grain perpendicular, are 2x4's spaced at 12-inches. Walers with 3,000-pound safe working load ties spaced at 24-inches are 2-2x4's spaced at 24-inches.
2/24/16	7-11.3(15)	Electrolysis Monitoring System for Ductile Iron Pipe Editor's Note: Title change to remove DIP.	Replace this Section Title with the following: 7.11.3(15) ELECTROLYSIS MONITORING SYSTEM
2/24/16	7-11.3(15)B	Electrical Joints for Ductile Iron Pipe and Fittings Editor's Note: Title change to remove DIP.	Replace this Section Title with the following: 7-11.3(15)B ELECTRICAL JOINTS FOR PIPE AND FITTINGS
2/24/16	7-11.3(15)B1	General Editor's Note: removes the reference to DIP	Delete the first sentence of this Section and replace with the following: Where shown on the Drawings, each length of pipe in the Water Main, and each hydrant run, shall be electrically bonded together, and each mechanical joint shall be bonded to the pipe as shown on Standard Plan 362.
2/24/16	7-11.3(15)B2	Joint Bond Cable Connections for Ductile Iron Pipe Editor's Note: Title change to remove DIP.	Replace this Section Title with the following: 7-11.3(15)B2 JOINT BOND CABLE CONNECTIONS FOR PIPE
2/24/16	7-11.3(15)C1	General Editor's Note: Updates Standard Plan references.	Delete the first sentence of this Section and replace with the following: Electrolysis Test Stations shall be installed as indicated on Standard Plan 360 and 365.
2/24/16	7-11.3(15)C4	Test Wires Editor's note: Updates Standard Plan references.	Delete the first sentence of this Section and replace with the following: Wire location, connections to pipe, size, insulation color, and crimp-on wire connectors shall be as shown on the Standard Plan 363 and 365.

Revision Date	Section/Plan	Current Title	Text
2/24/16	7-11.3(15)E	Sacrificial Anode Bonded to Pipe Installation Details (New Section) Editor's Note: New Section.	Add New Section: 7-11.3(15)E SACRIFICIAL ANODE BONDED TO PIPE INSTALLATION DETAILS Sacrificial Anode bonded to pipe shall be installed as indicated on Standard Plan no. 364.
2/24/16	7-11.4	Measurement Editor's note: Adds new payment item for sacrificial anodes.	Supplement this Section with the following: Measurement for "Sacrificial Anode bonded to pipe" will be per each.
2/24/16	7-11.5	Payment Editor's note: Modifies the test station bid item, and adds new bid item for sacrificial anode bonded to pipe. When this is published in the 2017 book, this should be renumbered to item 9.	Delete item (1) from payment item 7. and replace with the following: (1) Cost of furnishing and installing water meter box, test box, terminal blocks, wires to pipes and zinc reference electrodes, zinc reference electrodes, removal and restoration of sidewalks; and Supplement this Section with the following: 10. "Sacrificial Anode bonded to pipe", per each. The Bid item price for "Sacrificial Anode bonded to pipe" shall include all costs for the work required as follows: (1) Costs of furnishing and installing sacrificial anode, wire connection to pipe or electrolysis test station, SC3 coke breeze backfill, conduit, native backfill, thermite weld, red "Caution" or "Danger" tape; and (2) All other materials, labor, and incidentals required to complete this construction.
2/24/16	7-14.1	Description Editor's Note: Changes alter the scope of work to be in accordance with new COS policy of not providing hydrants to contractors.	Delete the contents of this Section and replace it with the following: See Section 2-12 regarding hydrant use. These Specifications are to be used in conjunction with the AWWA Standard C502 for dry barrel hydrants for ordinary water works service. Section 7-14 describes work consisting of furnishing, installing, and setting the hydrant, hydrant tee, auxiliary valve, restraint system and shackles, gravel drain, concrete blocks, shear block, bleeder, hydrant connection, connection pipe, marker posts, retaining wall and rock facing, coating, painting, excavation, backfilling, furnishing and installing hydrant markers and quick connect adapters when required, flushing, hydrostatic pressure testing, disinfection, and other pertinent Work as specified in other Sections of this Specification.
2/24/16	7-14.2	Material Editor's Note: Changes alter the scope of work to be in accordance with new COS policy of not providing hydrants to contractors.	Delete the second paragraph from this Section.
2/24/16	7-14.3(1)	Setting Hydrants Editor's Note: Changes alter the scope of work to be in accordance with new COS policy of not providing hydrants to contractors.	Delete the eighth paragraph from this Section and replace with the following: The Contractor shall flush, test and disinfect hydrant assemblies according to Section 7-11.3. After all installation and testing is completed, the hydrants shall be painted in accordance with Section 7-14.3(11).
2/24/16	7-14.5	Payment Editor's Note: Changes alter the payment item to be in accordance	Delete payment item 1 and replace with the following: 1. "Hydrant, 6-Inch Connection (Type)", per each.

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		with new COS policy of not providing hydrants to contractors.	The Bid item price for "Hydrant, 6-Inch Connection (Type)" shall include all costs for the work required to furnish and install on new Water Main (or existing Water Main with existing tee) a complete Type 310 or Type 311 hydrant assembly including but not limited to hydrant, hydrant tee, auxiliary valve, valve box, restraint system and shackles, barrel extension, gravel drain, concrete blocks, shear block, bleeder, hydrant connection, connection pipe, marker posts, retaining wall and rock facing, coating, painting, excavation, backfilling and compaction, disposal, of material furnishing and installing hydrant markers and quick connect adapters when required, flushing, hydrostatic pressure testing, and disinfection.																
2/24/16	7-16.3(6)	New Section: Tee Connection to Steel Reinforced Polyethylene Editor's note: New section corresponds to the new standard plan 270, which allows for a previously unspecified material.	Add New Section: 7-16.3(6) TEE CONNECTION TO STEEL REINFORCED POLYETHYLENE Drainage pipes connected to steel reinforced polyethylene detention pipe shall be made only at a prefabricated tee at locations shown on the Drawings. Installation shall be in accordance to Section 7-17.3(2)C2 except for cut-in tees shall not be allowed.																
2/24/16	7-17.2(1)	General Editor's Note: Replaces the pipe materials table to include new material type	Delete the first table in this Section and replace with the following: <table><tr><th>Flexible Pipe Material</th><th>Rigid Pipe Material</th></tr><tr><td>Polyvinyl Chloride (PVC)</td><td>All Concrete</td></tr><tr><td>Acrylonitrile butadiene styrene (ABS)</td><td>Ductile Iron</td></tr><tr><td>Corrugated Metal</td><td>Vitrified Clay</td></tr><tr><td>Spiral Rib</td><td></td></tr><tr><td>Polyethylene (PE)</td><td></td></tr><tr><td>Polypropylene (PP)</td><td></td></tr><tr><td>Steel Reinforced Polyethylene</td><td></td></tr></table>	Flexible Pipe Material	Rigid Pipe Material	Polyvinyl Chloride (PVC)	All Concrete	Acrylonitrile butadiene styrene (ABS)	Ductile Iron	Corrugated Metal	Vitrified Clay	Spiral Rib		Polyethylene (PE)		Polypropylene (PP)		Steel Reinforced Polyethylene	
Flexible Pipe Material	Rigid Pipe Material																		
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Polypropylene (PP)																			
Steel Reinforced Polyethylene																			
2/24/16	7-17.3(2)F	Jointing – Break-out and Reconnect & Mismatched Wall Thickness Editor's Note: Changes to this section clarify and make more rigorous the requirements for couplings for pipe connections.	Delete this Section in its entirety and replace with the following: 7-17.3(2)F JOINTING – BREAK-OUT AND RECONNECT & MISMATCHED WALL THICKNESS Where it is necessary to break out or connect to an existing pipe, only new pipe having the same inside diameter shall be used in reconnecting the pipeline. Inverts, grade, and alignments are to match. Where joints must be made between pipes with a mismatched wall thickness, the Contractor shall measure the outside diameter of both pipes to the hundredth of an inch, and install a coupling manufactured to the actual dimensions for each pipe to be connected. A record of the measurement of the pipes and the coupling Manufacturer's model number installed shall be submitted to the Engineer in accordance with Section 1-05.3. Couplings shall be shielded, flexible gasketed coupling, adapter or coupling-adapter to make a watertight joint that maintains the internal pipe alignment. Couplings shall be manufactured by Indiana Seal, JointsCouplings, Romac, Smith-Blair, Fernco, Mission or approved equal.																
2/24/16	7-17.3(4)A	General Editor's Note: Edits clarify when infiltration testing is required, and when exfiltration testing is substituted for low pressure air testing.	Delete the first paragraph of this Section and replace with the following: Pipelines and appurtenances shall be cleaned, be television inspected and tested, after backfilling, by the low pressure air method. Infiltration testing is additionally required when the ground water elevation is in, or fluctuates through the pipe zone. Exfiltration testing shall be substituted for the low pressure air method, when the pipe or detention system is in, or near, as indicated in the Contract, Environmentally Critical Areas designated as geologically hazardous areas.																
2/24/16	7-17.3(4)B	Exfiltration Test Editor's Note: removes redundant and unclear language on when exfiltration testing is required.	Delete the last paragraph of this Section.																

Revision Date	Section/Plan	Current Title	Text
2/24/16	7-17.3(4)C	Infiltration Test Editor's Note: Replaces acceptance criteria and updates failure resolution	Delete this Section in its entirety and replace it with the following: 7-17.3(4)C INFILTRATION TEST Acceptance may be based on no visible leakage when the Engineer observes the pipe directly or through CCTV after groundwater pumping has been discontinued for a minimum of 24 hours and the Engineer determines the ground water elevation is at a suitable head above the crown of the pipe to represent the expected operational conditions. When leakage is observed, the Contractor may select to measure the infiltration rate. Testing shall be from maintenance hole to maintenance hole. For vitrified clay pipe, infiltration testing and acceptance shall be per ASTM C1091. For concrete pipe, infiltration testing and acceptance shall be per ASTM C969.
2/24/16	7-17.3(4)D1	Test Time Editor's Note: Incorrect formulas in 2014 edition. All changes are to make exponents appear in super-script.	Delete the third, fourth, and fifth paragraphs of this Section and replace with the following: Calculate the required test time at a given allowable air loss as follows: $T = K \times (D^2 L / Q)$ Calculate air loss with a timed pressure drop as follows: $Q = K \times (D^2 L / T)$ Symbols: D = nominal size, inches, K = 0.371×10^{-3} for inch-pound units, L = length of line of one pipe size, ft, Q = air loss, ft ³ /min, and T = time for pressure to drop 1.0 psi, min.
2/24/16	7-17.5	Payment Editor's note: this change adds measuring the pipe OD to the SOW for payment of pipe.	Delete item g. in payment item 2. and replace with the following: g. pipe coupling, measuring outside diameters of pipes to be connected, and
2/24/16	7-21.3(2)A3	Payment Editor's note: this change modifies the minimum depth of scarification.	Delete item 1. and replace with the following: 1. Scarification. The Contractor shall scarify the surface of the subgrade to a minimum depth of 4 inches prior to placement of Bioretention Soil or Mineral Aggregate for discharge subbase gravel, if applicable.
2/24/16	8-01.3(1)	General Editor's Note: Corrects typos, adds clarification for infiltration BMPs.	Delete the second and third paragraph of this Section and replace with the following: If applicable, Stormwater Pollution Prevention Plan (SWPPP) requirements of a National Pollutant Discharge Elimination System (NPDES) construction permit, local jurisdiction, or both shall be addressed in the CSECP and the TDP. The Contractor's Work and Project Site conditions shall ensure elements are in place to protect water quality and to protect downstream resources. These elements shall cover aspects of general water quality protection strategies consisting of: limiting Project Site impacts, protecting the public drainage system and water bodies, preventing erosion and sedimentation, protecting the infiltration rate of soils, and managing activities and potential pollutant sources. Delete items 9) through 18) and replace with the following: 9) Protect storm drains and ditches(CSECP)

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			<ul style="list-style-type: none"> 10) Stabilize channels and outlets (CSECP) 11) Control pollutants (CSECP, TDP, SP & others as applicable) 12) Control dewatering (CSECP & TDP) 13) Maintain BMPs (ALL) 14) Inspect BMPs (ALL) 15) Execute Construction Stormwater Control Plan. (ALL) 16) Minimize open trenches (CSECP) 17) Phase the project (ALL; should also be shown in CPM Schedule, see Section 1-08.3) 18) Install permanent flow control and water quality facilities 19) Protect infiltrative stormwater BMPs (CSECP & TVSPP)
2/24/16	8-01.3(2)A	Construction Stormwater and Erosion Control Plan (CSECP) Editor's note: Changes update the Director's Rule and Stormwater Manual references, provides CSECP guidance for pervious cement sidewalks, and clarifies wash-water detention requirements. New item (17) would be more appropriately placed as item 7, re-number in 2017 Edition.	<p>Delete the first sentence of the third paragraph of this Section and replace with the following:</p> <p>The Contractor shall refer to SPU Director's Rule DWW-200, Volume 2 Construction Stormwater Control of the Stormwater Manual for guidance on the CSECP.</p> <p>Delete item 15) c. and replace it with the following:</p> <ul style="list-style-type: none"> c. prevent wash water from migrating to a storm drain or drainage structures, and <p>Insert the new item 17) as follows:</p> <ul style="list-style-type: none"> 17) When detention of collected stormwater is proposed in any location designated for vegetation or pervious cement concrete sidewalk on the Drawings, describe the proposed restoration of the underlying soils.
2/24/16	8-01.3(2)B	Tree, Vegetation and Soil Protection Plan (TVSPP) Editor's note: Changes add GSI-related requirements to the TVSPP and corrects related references. New item g & h would be more appropriately placed as items f & g, re-number in 2017 Edition, and change references in items 1 and 6 to correspond to the correct items.	<p>Insert the new items g. and h. as follows:</p> <ul style="list-style-type: none"> g. All areas marked as "Pervious Concrete Sidewalk" on the Drawings. h. All areas marked as "Rain Garden" or "Bioretention" on the Drawings. <p>Delete the first sentence of item 1. in the first numbered list in this Section and replace with the following:</p> <ul style="list-style-type: none"> 1. For a., b., c., and h. above: if the duration of construction operations at the affected location is less than or equal to 30 Calendar Days, a four (4)-foot– six (6)-inch high PVC pipe frame with orange safety fencing attached on all sides as shown in the Standard Plan 132b shall be used about the perimeter unless otherwise approved per the TVSPP. <p>Delete item 6. in the first numbered list in this Section, and replace it with the following:</p> <ul style="list-style-type: none"> 6. For g. above, following removal of any existing pavement, a four (4)-foot– six (6)-inch high PVC pipe frame with orange safety fencing attached on all sides as shown in the Standard Plan 132b shall be used about the perimeter unless otherwise approved per the TVSPP. 7. For all of the above; no storage of equipment or material shall be allowed within the areas marked on Drawings as "Do Not Disturb Area" or within the dripline (zone B) of a tree unless "specific protective measures" per the TVSPP approved by the Engineer are in place.
2/24/16	8-02.3(3)	Pesticides	Insert new item f. under Item 2 as follows:

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		Editor's Note: This change adds requirements to submit a SPU Chemical Use Request form and requirements for postings after pesticide applications.	<div>f. a SPU Chemical Use Request Form as provided by the Engineer. The form shall be submitted to the Engineer for approval by the pesticide review board, and must comply with the City of Seattle pesticide use policies.</div> <div>Insert new item d. under Item 3 as follows:</div> <div>d. Information on pesticide application shall be posted on site for 24 hours post application. Postings shall include the following information: Name of licensed applicator, pesticide used, time of application, method of application, and target vegetation.</div>								
2/24/16	8-02.5	Payment Editor's Note: changes the payment schedule for landscape establishment so that Owner retains a higher percentage of the LS payment until after the completion of the work.	Delete payment item 4 in this Section and replace with the following: 4. "Landscape Establishment, Minimum Bid (\$ _____)" , per lump sum. The Bid item price for "Landscape Establishment, Min. Bid (\$ _____)" shall include all costs for the work required to establish the landscape including all costs for the work required in Section 8-02.3(12) and Section 2-12. Should the Contractor determine that the cost for this work is greater than the Bid item lump sum minimum price listed in the Bid Form, the Contractor may bid a higher Bid item lump sum price by crossing out the Bid item lump sum minimum price and extension shown in the Bid Form, writing in a higher Bid item lump sum price and extension in the Bid Form, and initialing the change. Bids received on this Contract that contain a cost for landscape establishment of less than the Bid item lump sum minimum price shown in the Bid Form will be revised to reflect the Bid item lump sum minimum price allowed including the extension and shall govern as becoming a part of the Bid. Payment shall be made at the rate of 20 percent of the Bid item lump sum price for "Landscape Establishment, Min. Bid (\$ _____)" at the following periods: May 31, July 31, September 30. The final 40% shall be paid at the end of the landscape establishment period and after the necessary corrections and replacements have been made. The Contractor shall submit a statement on the 25th of May, 25th of July and the 25th of September including the schedule for work provided to maintain the plantings during that period.								
09/30/14	8-04.2	Materials Editor's Note: Expands the use of Pozzolans from 25 to 30 % for cement concrete curb, curb and gutter.	Replace the first two paragraphs of this Section with the following: Materials shall meet the requirements of the following Sections: <table><tr><td>Non-Roadway Cement Concrete</td><td>5-05</td></tr><tr><td>Non-Roadway Cement Concrete, W/30% pozzolans</td><td>5-05</td></tr><tr><td>Premolded Joint Filler</td><td>9-04.1</td></tr><tr><td>Reinforcing Steel</td><td>9-07</td></tr></table> The cement concrete shall meet the requirements of Section 5-05. Concrete mix for curb and gutter Type 410B and curb Type 410C shall be Non-Roadway Cement Concrete or Non-Roadway Cement Concrete W/30% pozzolans per section 5-05. Slump of the concrete mix shall not exceed 3-1/2 inches.	Non-Roadway Cement Concrete	5-05	Non-Roadway Cement Concrete, W/30% pozzolans	5-05	Premolded Joint Filler	9-04.1	Reinforcing Steel	9-07
Non-Roadway Cement Concrete	5-05										
Non-Roadway Cement Concrete, W/30% pozzolans	5-05										
Premolded Joint Filler	9-04.1										
Reinforcing Steel	9-07										
09/30/14	8-04.5	Payment Editor's Note: Expands the use of Pozzolans from 25 to 30 % for cement concrete curb, curb and gutter.	Replace items 4., 5., and 6. with the following: 4. "Curb, Cement Concrete, w/30% Pozzolans" per linear foot. 5. "Curb, Cement Concrete, Mountable, w/30% Pozzolans" per linear foot. 6. "Curb and Gutter, Cement Concrete, w/30% Pozzolans" per linear foot.								
09/30/14	8-07.2	Materials Editor's Note: Expands the use of Pozzolans from 25 to 30 % for precast traffic curb and block traffic curb.	Replace the first two paragraphs of this Section with the following: Materials shall meet the requirements of the following Sections: <table><tr><td>Non-Roadway Cement Concrete, High Strength</td><td>5-05</td></tr><tr><td>Non-Roadway Cement Concrete, High Strength, W/ 30% Pozzolans</td><td>5-05</td></tr></table>	Non-Roadway Cement Concrete, High Strength	5-05	Non-Roadway Cement Concrete, High Strength, W/ 30% Pozzolans	5-05				
Non-Roadway Cement Concrete, High Strength	5-05										
Non-Roadway Cement Concrete, High Strength, W/ 30% Pozzolans	5-05										

Revision Date	Section/Plan	Current Title	Text																		
				<table><tr><td>Grout</td><td>9-04.3(2)B</td></tr><tr><td>Precast & Block Traffic Curb, Water Repellent Compound, Sodium Metasilicate</td><td>9-18</td></tr><tr><td>Paint</td><td>9-29</td></tr></table>	Grout	9-04.3(2)B	Precast & Block Traffic Curb, Water Repellent Compound, Sodium Metasilicate	9-18	Paint	9-29											
Grout	9-04.3(2)B																				
Precast & Block Traffic Curb, Water Repellent Compound, Sodium Metasilicate	9-18																				
Paint	9-29																				
			Unless otherwise approved by the Engineer, Cement Concrete shall be Non-Roadway Cement Concrete, High Strength or Non-Roadway Cement Concrete, High Strength, W/ 30% Pozzolans meeting the requirements of Section 5-05.																		
09/30/14	8-14.2	Materials Editor's Note: Expands the use of Pozzolans from 25 to 30 % for cement concrete sidewalk.	Replace this Section with the following: Materials shall meet the requirements of the following Sections: <table><tr><td>Non-Roadway Cement Concrete</td><td>5-05</td></tr><tr><td>Non-Roadway Cement Concrete, W/30% pozzolans</td><td>5-05</td></tr><tr><td>Non-Roadway Cement Concrete, W/30% pozzolans, High Strength</td><td>5-05</td></tr><tr><td>Patterned Cement Concrete Treatment</td><td>5-05.3(29)</td></tr><tr><td>Colored Cement Concrete Treatment</td><td>5-05.3(29)</td></tr><tr><td>Exposed Aggregate Cement Concrete Treatment</td><td>5-05.3(30)</td></tr><tr><td>Premolded Joint Filler</td><td>9-04.1(1)</td></tr><tr><td>Detectable Warning</td><td>9-36</td></tr></table> Cement Concrete Sidewalk monolithic with handrail shall be Non-Roadway Cement Concrete, High Strength (see Section 8-18.2 and Standard Plan nos. 442, 443a and 443b). "Six Inch Sidewalk, Cement Concrete" shall be Non-Roadway Cement Concrete, High Strength. "Six Inch Sidewalk, Cement Concrete, W/30% pozzolans" shall be Non-Roadway Cement Concrete, W/30% pozzolans, High Strength. Except for "Six Inch Sidewalk", all new concrete sidewalk and curb ramp shall be with concrete Non-Roadway Cement Concrete or Non-Roadway Cement Concrete, W/30% pozzolans (when "W/30% pozzolans" is included in Bid item description), and the slump of all concrete mixes shall not exceed 3-1/2 inches. Patterned cement concrete is defined as additional work necessary to imprint cement concrete with a pattern, and is referenced by "Patterned" and "Running Bond Used Brick" or (other pattern) in the Bid item description. Colored cement concrete is defined as additional work necessary to color cement concrete with a color, and is referenced by "Colored" and a Federal Standard 595B "F (color code)" in the Bid item description.			Non-Roadway Cement Concrete	5-05	Non-Roadway Cement Concrete, W/30% pozzolans	5-05	Non-Roadway Cement Concrete, W/30% pozzolans, High Strength	5-05	Patterned Cement Concrete Treatment	5-05.3(29)	Colored Cement Concrete Treatment	5-05.3(29)	Exposed Aggregate Cement Concrete Treatment	5-05.3(30)	Premolded Joint Filler	9-04.1(1)	Detectable Warning	9-36
Non-Roadway Cement Concrete	5-05																				
Non-Roadway Cement Concrete, W/30% pozzolans	5-05																				
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Exposed Aggregate Cement Concrete Treatment	5-05.3(30)																				
Premolded Joint Filler	9-04.1(1)																				
Detectable Warning	9-36																				
09/30/14	8-14.5	Payment Editor's Note: Expands the use of Pozzolans from 25 to 30 % for cement concrete sidewalk.	Replace items 2., 4., 6., 8., 12. and 17. with the following: 2. "Sidewalk, Cement Concrete, W/30% pozzolans" , per square yard. The Bid item price for "Sidewalk, Cement Concrete" and "Sidewalk, Cement Concrete, W/30% pozzolans" shall include all costs for the work required to construct the sidewalk as specified including the earth work required to excavate Material from the top surface of the sidewalk to the sidewalk subgrade, subgrade preparation, and furnishing and installing all Materials. Payment for the volume of earth work involved in excavating Material above the top surface of the sidewalk will be made in accordance with Section 2-04.5. 4. "Sidewalk, Thickened Edge, W/30% pozzolans" , per linear foot. The Bid item price for "Sidewalk, Thickened Edge" and "Sidewalk, Thickened Edge, W/30% pozzolans" shall include all costs for the work required to construct the thickened edge where required. 6. "Curb Ramp, (No.), W/30% pozzolans" , per each.																		

Revision Date	Section/Plan	Current Title	Text
			<p>The Bid item price for “Curb Ramp, (No.)” and “Curb Ramp, (No.), W/30% pozzolans” shall include all costs for the work required to construct the curb ramp and siding(s) complete and in place, including detectable warning plate, sawcut, common excavation, sidewalk thickened edge, monolithic curb, side curb, and brushed or coursed textural surface finish as detailed on Standard Plan nos. 422a and 422b.</p> <p>Payment for the removal of existing concrete walk, curb, or curb and gutter shall be made separately in accordance with Section 2-02.</p> <p>Unless otherwise specified, no separate payment for new curb, new curb and gutter, or new side curb shall be made.</p> <p>8. ”Curb Ramp, Non-Standard, W/30% pozzolans”, per square yard.</p> <p>Payment for the removal of existing concrete walk, curb, or curb and gutter shall be made separately in accordance with Section 2-02.</p> <p>Payment for detectable warning plate shall be made separately in accordance with this Section.</p> <p>Unless otherwise specified, no payment for new curb, new curb and gutter, or side curb shall be made.</p> <p>12. “Bus Shelter Footing, W/30% pozzolans”, per square yard.</p> <p>The Bid item price for “Bus Shelter Footing” and “Bus Shelter Footing, W/30% pozzolans” shall include all costs for the work required to construct the bus shelter footing.</p> <p>17. “Six Inch Sidewalk, Cement Concrete, W/30% pozzolans”, per square yard.</p> <p>The Bid item price for “Six Inch Sidewalk, Cement Concrete” and “Six Inch Sidewalk, Cement Concrete, W/30% pozzolans” shall include all costs for the work required to construct the sidewalk as specified including the earth work required to excavate Material from the top surface of the sidewalk to the sidewalk subgrade, subgrade preparation, and furnishing and installing all Materials.</p> <p>Payment for the volume of earth work involved in excavating Material above the top surface of the sidewalk will be made in accordance with Section 2-04.</p> <p>All costs for reinforcing bars constructed around castings shall be included in the Bid item price for “Six Inch Sidewalk, Cement Concrete” and “Six Inch Sidewalk, Cement Concrete, W/30% pozzolans”.</p>
2/24/16	8-18.3(8)	<p>New Section: Bike Runnels</p> <p>Editor’s Note: This is a new section providing construction guidance and references to the Standard Plans for Bike Runnels.</p>	<p>Add New Section:</p> <p>8-18.3(8) Bike Runnels</p> <p>Where Type 440 stairway with bike runnels is called for in the Contract, the concrete bike runnels shall be constructed in accordance with the detail on Standard Plan no. 440c or 440d, as shown on the Drawings. The runnel shall be constructed along and outside the stairway, adjacent to the concrete walk or landing that joins flights of stairs connecting the runnel path, and shall be sloped for continuous flow to drain surface runoff.</p>
09/30/14	8-18.4	<p>Measurement</p> <p>Editor’s Note: Expands the use of Pozzolans from 25 to 30 % for cement concrete stairs, landings and steps.</p>	<p>Replace the 5th and 6th paragraphs with the following:</p> <p>Measurement for “Stairway, Cement Concrete, Type 440 w/30% Pozzolans” will be measured by the linear foot for the horizontal distance from a point 2 feet 2 inches from the back of the top tread to a point 2 feet 2 inches from the face of the bottom riser for the width indicated in the Contract.</p> <p>Measurement for “Steps, Cement Concrete w/30% Pozzolans” and “Stairway, Cement Concrete, Special w/30% Pozzolans, ” will be by the square foot of tread surface installed.</p>
2/24/16	8-18.4	<p>Measurement</p> <p>Editor’s Note: Adds measurement provisions for newly added bike runnel standard plans.</p>	<p>Delete the second paragraph of this Section and replace with the following:</p> <p>Excavation for stairways, landings, gutters, and bike runnels will be measured by the cubic yard of common excavation in accordance with Section 2-04.</p> <p>Supplement this Section with the following:</p> <p>Measurement for “Bike Runnel, Cement Concrete” will be by the linear foot for the horizontal distance from end to end of the runnel, including the stairway slope, landings, and concrete walk to the edge of the runnel lip or “walk bike” stamp.</p> <p>Measurement for “Bike Runnel, Cement Concrete w/25% Pozzolans” will be by the linear foot for the horizontal distance from end to end of the runnel, including the stairway slope, landings, and concrete walk to the edge of the runnel lip or “walk bike” stamp.</p>

Revision Date	Section/Plan	Current Title	Text								
09/30/14	8-18.5	Payment Editor’s Note: Expands the use of Pozzolans from 25 to 30 % for cement concrete stairs, landings and steps.	Replace items 6., 7., and 8. with the following: 6. “Stairway, Cement Concrete, Type 440 w/30% Pozzolans” , per linear foot. The Bid item price for “Stairway, Cement Concrete, Type 440 w/30% Pozzolans” shall include all costs for the work required to construct the concrete stairway to the width indicated. 7. “Stairway, Cement Concrete, Special w/30% Pozzolans” , per square foot. The Bid item price for “Stairway, Cement Concrete, Special w/30% Pozzolans” shall include all costs for the work required to construct a stairway in accordance with Standard Plans for Type 440 Stairway for a width other than indicated. 8. “Steps, Cement Concrete w/30% Pozzolans,” per square foot. The Bid item price for “Steps, Cement Concrete” shall include all costs for the work required to construct concrete.								
2/24/16	8-18.5	Payment Editor’s Note: Adds payment provisions for new bike runnel standard plans.	Delete item 9 in this Section and replace with the following: 9. “Bike Runnel, Cement Concrete” , per linear foot. The Bid item price for “Bike Runnel, Cement Concrete” shall include all costs for the work required to construct the concrete bike runnel, including “walk bike” stamp or painted text and anti-skate devices, as applicable. 10. “Bike Runnel, Cement Concrete w/25% Pozzolans” , per linear foot. The Bid item price for “Bike Runnel, Cement Concrete w/25% Pozzolans” shall include all costs for the work required to construct the concrete bike runnel, including “walk bike” stamp or painted text and anti-skate devices, as applicable. 11. Other payment information. Payment for excavation required for stairways, landings, and gutter sections will be paid as “Common Excavation” in accordance with Section 2-04. Payment for concrete landings and walkways will be made as “Sidewalk, Cement Concrete” in accordance with Section 8-14. Reinforcing steel shall be considered as incidental to the Bid item price for the appropriate Bid item.								
09/30/14	8-19.2	Materials Editor’s Note: Expands the use of Pozzolans from 25 to 30 % for cement concrete driveway and alley.	Replace this Section with the following: Materials shall meet the requirements of the following Sections: <table border="1"><tr><td>Non-Roadway Cement Concrete, HES, High Strength</td><td>5-05</td></tr><tr><td>Non-Roadway Cement Concrete, High Strength</td><td>5-05</td></tr><tr><td>Non-Roadway Cement Concrete, High Strength W/30% pozzolans</td><td>5-05</td></tr><tr><td>Premolded Joint Filler</td><td>9-04.1(1)</td></tr></table> The cement concrete mix class shall be: 1. Non-Roadway Cement Concrete, High Strength for “Driveway, Cement Concrete, (Thickness)”. 2. Non-Roadway Cement Concrete, HES, High Strength for “Driveway, Cement Concrete, HES, (Thickness)”. 3. Non-Roadway Cement Concrete, High Strength W/30% pozzolans for “Driveway, Cement Concrete (Thickness) w/30% Pozzolans”.	Non-Roadway Cement Concrete, HES, High Strength	5-05	Non-Roadway Cement Concrete, High Strength	5-05	Non-Roadway Cement Concrete, High Strength W/30% pozzolans	5-05	Premolded Joint Filler	9-04.1(1)
Non-Roadway Cement Concrete, HES, High Strength	5-05										
Non-Roadway Cement Concrete, High Strength	5-05										
Non-Roadway Cement Concrete, High Strength W/30% pozzolans	5-05										
Premolded Joint Filler	9-04.1(1)										
09/30/14	8-19.5	Payment Editor’s Note: Expands the use of Pozzolans from 25 to 30 % for cement concrete driveway and alley	Replace item 3. with the following: 3. “Driveway, Cement Concrete (Thickness) w/30% Pozzolans” per square yard. The Bid item prices for “Driveway, Cement Concrete...” shall include all costs for the work required to construct the driveway including excavation and subgrade preparation and the curb if monolithic.								

Revision Date	Section/Plan	Current Title	Text
			Payment for the removal of existing concrete walk, concrete driveway, curb, or curb and gutter shall be made separately in accordance with Section 2-02.
09/30/14	8-22.1(2)	Pavement Marking Designations Editor's Note: adds the use of methyl methacrylate (MMA). See also 8-22.4 and 8-22.5.	Add the following sentence before the table: Pavement markings using methyl methacrylate (MMA) material will be denoted with a suffix of "M".
09/30/14	8-22.4	Measurement Editor's Note: Use with amendments for 8-22.1(2) and 8-22.5	Add the following to the end of this Section: Measurement for "Pavement Marking, MMA (Width) Stripe" will be by the linear foot of stripe. No deduction will be made for the unmarked area when the marking includes a broken or skip pattern specified. Measurement for "Pavement Marking, MMA, Legend/Symbol" will be per each legend or symbol
09/30/14	8-22.5	Payment Editor's Note: Use with amendments for 8-22.1(2) and 8-22.4.	Add the following items: 7. "Pavement Marking, MMA, (Width) Stripe", per linear foot. 8. "Pavement Marking, MMA, Legend/Symbol" per each.
09/30/14	8-31.1(4)A	Signal Shop Drawings Editor's Note: Adds Emergency Vehicle Preemption Detector and corrects numbering.	Delete "item 5. Miscellaneous and item 6. Detector Loops" and replace with the following: <div style="margin-left: 40px;"> 6. Miscellaneous <ul style="list-style-type: none"> a. Aerial Termination Compartments b. Pedestrian Pushbutton c. Ground Rods d. Emergency Vehicle Preemption Detector </div> <div style="margin-left: 40px;"> 7. Detector Loops <ul style="list-style-type: none"> a. Loop Sealant b. Wire </div>
09/30/14	8-31.3(3)B	Vehicle Signal Head Editor's Note: Corrects clearance requirements for trolley line and signal heads.	Replace the 2nd sentence of the 3rd paragraph of this Section with the following: A 4 foot edge to edge clearance shall be maintained between signal heads and trolley wires.
09/30/14	8-31.3(5)D	Wireless Sensor Detection Editor's Note: Removes proprietary information.	Replace the 8th paragraph (directly beneath the first numerical list in this Section) with the following: The Contractor shall install each sensor according to the manufacturer's installation recommendations and as shown in the Drawings. After installation, the Contractor shall ensure successful operation of the devices using the vendor supplied software utilities. Replace the 9th paragraph (directly beneath the second numerical list in this section) with the following: The Contractor shall install each sensor according to the manufacturer's recommendations and as shown on the Drawings. After installation, the Contractor shall ensure successful operation of the devices using the vendor supplied utilities.
09/30/14	8-31.3(18)	License Plate Reader (LPR)	Replace the 2nd and 3rd paragraphs with the following:

Revision Date	Section/Plan	Current Title	Text																		
		Editor's Note: Removes proprietary information.	<p>The Contractor shall furnish one composite CAT5-E cable between each LPR camera and LPR interface box. The Contractor shall provide power conductors to the Interface box as specified on the Drawings.</p> <p>The Contractor shall have a manufacturer's representative at the project Site during installation for a minimum of the first two LPR installations to assist in setting up the camera, interface box and controller to ensure proper set-up procedures are followed to maximize the number of license plates being read by the system. The representative shall provide a capture rate to validate the system performance. The Contractor shall notify the Engineer a minimum of 10 Working Days in advance of the time the representative will be at the Project Site.</p>																		
09/30/14	8-31.5	Payment Editor's Note: Corrects payment clause.	Delete Item 4. and replace with the following: 4. "APS Pedestrian Pushbutton Assembly" , per each. The Bid item price for "Pedestrian Pushbutton Assembly" and for "APS Pedestrian Pushbutton Assembly" shall include all costs for the work required to furnish and install the pedestrian pushbutton assembly complete, including the button and housing, hardware, controller interface, and signs.																		
09/30/14	9-01.2(4)	Blended Hydraulic Cement Editor's Note: This change allows the City to utilize Cement blended with limestone. Also see changes for Section 5-05.3(1) and 9-23.13.	Delete this Section and replace with the following: 9-01.2(4) BLENDED HYDRAULIC CEMENT Blended hydraulic cement shall be either Type IP, Type IS, Type IL or Type IT cement conforming to AASHTO M 240 or ASTM C 595, except that the blended hydraulic cement shall not contain more than 0.75-percent alkalis by weight calculated as Na ₂ O plus 0.658 K ₂ O and the content of Tricalcium Aluminate (C ₃ A) shall not exceed 8-percent by weight calculated as 2.650Al ₂ O ₃ minus 1.692Fe ₂ O ₃ and meet the following additional requirements: <div><div>1.</div><div>Type IP(X), Portland Pozzolan Cement, where (X) dictates pozzolan percentage. Type IP(X), Portland Pozzolan Cement, shall be Portland Cement and Pozzolan and the pozzolan shall be limited to fly ash or microsilica fume. Fly ash is limited to a maximum of 25-percent by weight of the cementitious material in air entrained concrete and 35-percent in non-air entrained concrete. Microsilica fume is limited to a maximum of 15-percent by weight of the cementitious material.</div></div> <div><div>2.</div><div>Type IS(X), Portland Blast Furnace Slag Cement, where (X) dictates slag percentage. Type IS(X), Portland Slag Cement, shall be Portland cement and ground granulated blast furnace slag. The addition of ground granulated blast furnace slag shall be limited to a maximum of 30-percent by weight of the cementitious material in air entrained concrete and 50-percent in non-air entrained concrete.</div></div> <div><div>3.</div><div>Type IL(X), Portland Limestone Cement, where (X) dictates limestone percentage. Type IL(X), Portland Limestone Cement, shall be portland cement and limestone where the percent of limestone in the blend shall be greater than 5 percent, and no more than 15 percent, of the total weight of portland cement and limestone.</div></div> <div><div>4.</div><div>Type IT(AX)(BY), Ternary Blended Cement, where A is either "S" for Slag cement, "P" for pozzolan, or "L" for limestone; whichever is present in larger amount by weight. And where B is either "S" for Slag cement, "P" for pozzolan or "L" for limestone. "X" is the targeted percentage by weight of constituent A, and "Y" is the targeted percentage by weight of constituent B. Portland cement that may be replaced by weight in the blend shall be limited to the following maximums:</div></div> <table><tr><td></td><td>Air Entrained Concrete</td><td>Non-Air Entrained Concrete</td></tr><tr><td>Total Cement Replacement</td><td>35%</td><td>50%</td></tr><tr><td>Fly Ash</td><td>25%</td><td>35%</td></tr><tr><td>Microsilica Fume</td><td>10%</td><td>10%</td></tr><tr><td>GGBFS</td><td>30%</td><td>40%</td></tr><tr><td>Limestone</td><td>15%</td><td>15%</td></tr></table> <p>The source and weight of the pozzolan, ground granulated blast furnace slag, or limestone shall be certified on the cement mill test certificate and shall be reported as a percent by weight of the total cementitious material plus limestone, if present. The pozzolan, ground granulated blast furnace slag, or limestone constituent content in the finished cement shall not vary more than plus or minus 5 percent by weight</p>		Air Entrained Concrete	Non-Air Entrained Concrete	Total Cement Replacement	35%	50%	Fly Ash	25%	35%	Microsilica Fume	10%	10%	GGBFS	30%	40%	Limestone	15%	15%
	Air Entrained Concrete	Non-Air Entrained Concrete																			
Total Cement Replacement	35%	50%																			
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			<p>of the finished cement blend from the certified value. Type IL and Type IP with limestone will be considered to be low sulfate resistance cements.</p> <p>Fly ash shall meet the requirements of Section 9-23.9 of these Standard Specifications.</p> <p>Ground granulated blast furnace slag shall meet the requirements of Section 9-23.10 of these Standard Specifications.</p> <p>Limestone shall meet the requirements of Section 9-23.13 of these Standard Specifications.</p> <p>Microsilica fume shall meet the requirements of Section 9-23-11 of these Standard Specifications.</p>												
2/24/16	9-03.3(2)	Gradations Editor's Note: Adds a new gradation table for Streambed Aggregate Type 4.	Supplement this Section with the following: <table><tr><th colspan="2">STREAMBED AGGREGATE TYPE 4</th></tr><tr><th>SIEVE SIZE</th><th>PERCENT PASSING</th></tr><tr><td>8 inch</td><td>90 - 100</td></tr><tr><td>6 inch</td><td>45 - 65</td></tr><tr><td>4 inch</td><td>15 - 30</td></tr><tr><td>¾ inch</td><td>0 - 3</td></tr></table>	STREAMBED AGGREGATE TYPE 4		SIEVE SIZE	PERCENT PASSING	8 inch	90 - 100	6 inch	45 - 65	4 inch	15 - 30	¾ inch	0 - 3
STREAMBED AGGREGATE TYPE 4															
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2/24/16	9-03.16	Mineral Aggregate Chart Editor's Note: Corrects reference for Mineral Aggregate Type 17	In the Mineral Aggregate Chart for Type #17 Bank Run Gravel; Remove the reference to Section 9-03.12(2)B and replace it with Section 9-03.12(2).												
09/30/14	9-04.3(2)C	Grout for pipe connections and Poles & Pedestals Editor's Note: Changes grouting requirements	Replace this Section and Title with the following: 9-04.3(2)C GROUT FOR PIPE CONNECTIONS Grout for pipe connections to maintenance hole, catch basins, inlets, and similar utility appurtenances, and installing tees shall meet section 9-20.3(4). Grout shall be mixed to a damp packing or ramming consistency.												
09/30/14	9-04.3(2)E	Grout for Poles and Pedestals Editor's Note: Changes grouting requirements	Add New Section 9-04.3(2)E GROUT FOR POLES AND PEDESTALS Grout for grouting under poles and pedestals, and similar uses shall meet section 9-20.3(2).												
2/24/16	9-05.3(1)	Slotted PVC Subsurface Drain Pipe	Replace the contents of this Section with the following: Perforated polyvinyl chloride sub-surface drain (SSD) pipe and fittings shall be either ASTM D2241 SDR 21 (Class 200) or ASTM D1785 Schedule 40. ASTM 2241 pipe shall have rubber gasket joints, and ASTM D1785 pipe shall have solvent welded joints. The slotted perforations shall be 0.0064 inches wide by 1.00 inch long and spaced 0.3 inch apart on center. The slotted perforations on the pipe shall be oriented as indicated in the Contract. Minimum pipe diameter shall be 6-inch and shall not exceed 8-inch unless indicated otherwise in the Contract.												

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2/24/16	9-05.5(3)	New Section: Steel Reinforced Polyethylene Pipe for Detention Editor's note: New section corresponds to the new standard plan 270, which allows for a previously unspecified material.	Add New Section: 9-05.5(3) STEEL REINFORCED POLYETHYLENE PIPE FOR DETENTION Steel Reinforced Polyethylene Pipe shall meet the requirements of ASTM F2562. Resins shall meet the requirements of ASTM D3350 and cell classification 345464C. Steel ribs shall meet the requirements of ASTM A 1008 or ASTM A 1011. Joints shall be as specified on the Drawings; either bell and spigot or welded couplers. Welded couplers shall be installed by electrofusion welding or extrusion welding technology. The joints shall be laboratory tested to 15 psi in conformance with ASTM 3212.
09/30/14	9-14.4(8)	Compost Editor's Note: Removes the requirement for 10 % food waste as a component of the compost feedstock.	Replace item 13. with the following: 13. Feedstocks. The compost product shall contain a minimum of 65 percent by volume from recycled plant waste as defined in WAC 173-350-100 as "Yard waste", "Crop residues", and "bulking agents". A maximum of 35 percent by volume of "post-consumer food waste" as defined in WAC 173-350-100 may be substituted for recycled plant waste. The Engineer may approve compost products containing up to 35% biosolids or manure feedstocks for specific projects or soil blends, but these feedstocks are not allowed unless specified, and not allowed in compost used for Bioretention Soils.
09/30/14	9-23.13	Limestone Editor's Note: This change allows the City to utilize Cement blended with limestone. Also see changes for Section 5-05.3(1) and 9-01.2(4).	Add New Section: 9-23.13 LESTONE Limestone for Type IL or Type IT Blended Hydraulic Cement shall meet the requirements of ASTM C 595.
09/31/14	9-29.6	Temporary Raised Pavement Markers Editor's Note: Corrects reference.	Delete the last sentence of this Section and replace with the following: Temporary raised pavement markers other than temporary flexible raised pavement markers shall conform to the requirements of Section 8-08.2.
2/24/16	9-30.5 (1)	General Editor's Note: Changes alter the acceptable manufactures to match the soul source requirement.	Delete the list in this Section and replace with the following: 1. Kennedy K81D "Guardian"
09/30/14	9-30.7	Bedding, Foundation Material and Gravel Editor's Note: Corrects reference.	Replace the 2nd sentence of this Section with the following: See Section 7-17.3(1)B for bedding requirements.
2/24/16	9-30.12(6)	Sacrificial Anodes (New Section) Editor's Note: New section.	Add New Section: 9-30.12(6) SACRIFICIAL ANODES The sacrificial anode shall be 17lb High Potential Magnesium Anode (unless otherwise noted) for cathodic protection with improved core, style #17D3-R, wire per standard plan 364 and 365, length of wire as necessary. If prepackaged, the anode shall be packaged with backfill consisting of 75% gypsum, 20% bentonite, and 5% sodium sulfate contained in a cloth bag. Anode shall conform to ASTM B843 Industry Standard for M1C high potential magnesium anodes.

Revision Date	Section/Plan	Current Title	Text
2/24/16	SP 003g	Standard Symbols: Paving	Editor's Note: Added Pervious Concrete Alley symbol.
2/24/16	SP 003h	Standard Symbols: Sewer & Drainage	Editor's Note: reformatted due to added symbols on 003f and 003g.
2/24/16	SP 003i	Standard Symbols: Sewer & Drainage	Editor's Note: reformatted due to added symbols on 003f and 003g.
2/24/16	SP 003j	Standard Symbols: Sewer & Drainage	Editor's Note: reformatted due to added symbols on 003f and 003g.
2/24/16	SP 003k	Standard Symbols: Topographic & Misc	Editor's Note: reformatted due to added symbols on 003f and 003g.
2/24/16	SP 003l	Standard Symbols: Topographic & Misc	Editor's Note: reformatted due to added symbols on 003f and 003g.
2/24/16	SP 003m	Standard Symbols: Topographic & Misc	Editor's Note: reformatted due to added symbols on 003f and 003g.
2/24/16	SP 003n	Standard Symbols: Topographic & Misc	Editor's Note: reformatted due to added symbols on 003f and 003g.
2/24/16	SP 003o	Standard Symbols: Private Utilities	Editor's Note: reformatted due to added symbols on 003f and 003g.
2/24/16	SP 003p	Standard Symbols: Water	Editor's Note: reformatted due to added symbols on 003f and 003g.
2/24/16	SP 003q	Standard Symbols: Water	Editor's Note: new standard plan due to added symbols on 003f and 003g.
9/30/14	SP 030	Pedestrian Pushbutton Assembly	Editor's Note: Pole callout revised.
2/24/16	SP 204a	Type 204a Maintenance Hole	Editor's Note: Removed ladder step from base detail.
2/24/16	SP 204.5a	Type 204.5a Maintenance Hole	Editor's Note: Removed ladder step from base detail.
2/24/16	SP 205a	Type 205a Maintenance Hole	Editor's Note: Removed ladder step from base detail.
2/24/16	SP 206a	Type 206a Maintenance Hole	Editor's Note: Removed ladder step from base detail.

Revision Date	Section/Plan	Current Title	Text
2/24/16	SP 206b	Type 206b Maintenance Hole	Editor's Note: Base dimension corrected.
2/24/16	SP 207a	Type 207a Maintenance Hole	Editor's Note: Base dimension corrected.
2/24/16	SP 207b	Type 207b Maintenance Hole	Editor's Note: Base dimension corrected.
2/24/16	SP 208a	Type 208a Maintenance Hole	Editor's Note: Base dimension corrected.
2/24/16	SP 208b	Type 208b Maintenance Hole	Editor's Note: Base dimension corrected.
2/24/16	SP 209a	Type 209a Maintenance Hole	Editor's Note: Base dimension corrected.
2/24/16	SP 209b	Type 209b Maintenance Hole	Editor's Note: Base dimension corrected.
2/24/16	SP 210a	Type 210a Maintenance Hole	Editor's Note: Base dimension corrected.
2/24/16	SP 210b	Type 210b Maintenance Hole	Editor's Note: Base dimension corrected.
2/24/16	SP 211a	Type 211a Maintenance Hole	Editor's Note: Base dimension corrected.
2/24/16	SP 211b	Type 211b Maintenance Hole	Editor's Note: Base dimension corrected.
2/24/16	SP 212a	Type 212a Maintenance Hole	Editor's Note: Base dimension corrected.
2/24/16	SP 212b	Type 212b Maintenance Hole	Editor's Note: Base dimension corrected.
9/30/14	SP 232a	Maintenance Hole Ladder, Step & Handhold	Editor's Note: Handhold and step layout revised.
9/30/14	SP 240	Type 240 Catch Basin	Editor's Note: missing leaders added.
9/30/14	SP 242	Type 242 Catch Basin	Editor's Note: missing piece of rebar added.
2/24/16	SP 250	Type 250 Inlet	Editor's Note: Table added.
2/24/16	SP 260b	Catch Basin & Inlet Installation	Editor's Note: Added callout to Type 242B CB detail.
2/24/16	SP 260c	Catch Basin & Inlet Installation with Alternative Hood 263b	Editor's Note: New standard plan.

Revision Date	Section/Plan	Current Title	Text
2/24/16	SP 263a	Type 263 Inlet Frame & Hood	Editor's Note: renumbered due to new Standard Plan 263b.
2/24/16	SP 263b	Type 263 Alternative Inlet Hood	Editor's Note: New Standard Plan.
2/24/16	SP 269	Beehive Grate For Bioretention	Editor's Note: RIM callout added.
2/24/16	SP 280	8" Cleanout	Editor's Note: Notes simplified and rearranged to be part of frame and cover detail callout. Locking frame required.
9/30/14	SP 285	Pipe Bedding Sewer/Storm Drain	Editor's Note: Several callouts revised, Ref Std Spec Sec also revised.
12/31/15	SP 292	Infiltrating Bioretention With Sloped Sides	Editor's Note: New Standard Plan.
12/31/15	SP 293a	Infiltrating Bioretention With Sloped Sides & Under Drain	Editor's Note: New Standard Plan.
12/31/15	SP 293b	Non-Infiltrating Bioretention With Sloped Sides & Under Drain	Editor's Note: New Standard Plan.
12/31/15	SP 294	Vegetated Conveyance Swale (Not For Water Quality Treatment)	Editor's Note: New Standard Plan.
2/24/16	SP 295a	Drain Curb Cut Key For Bioretention with Sloped Sides	Editor's Note: New Standard Plan.
2/24/16	SP 295b	Drain Curb Cut Type 1	Editor's Note: New Standard Plan.
2/24/16	SP 295c	Drain Curb Cut Type 2	Editor's Note: New Standard Plan.
2/24/16	SP 295d	Drain Curb Cut Type 3	Editor's Note: New Standard Plan.
2/24/16	SP 296	Curb Inlet Frame	Editor's Note: New Standard Plan.
2/24/16	SP 297	Curb Inlet Vaned Grate	Editor's Note: New Standard Plan.
2/24/16	SP 299	Presettling Zone	Editor's Note: New Standard Plan.
9/30/14	SP 350	Watermain Trench & Bedding	Editor's Note: Notes revised, material revised, dimension revised, std spec sec no revised.

Revision Date	Section/Plan	Current Title	Text
2/24/16	SP 364	Sacrificial Anode Bonded To Pipe Installation Details	Editor's Note: New Standard Plan.
2/24/16	SP 365	Sacrificial Anode Installation Details Multiple Anodes	Editor's Note: New Standard Plan.
2/24/16	SP 403	Roadway Cement Concrete Alley Pavements	Editor's Note: Added Pervious Concrete pavement and Notes revised.
9/30/14	SP 415	Traffic Circle Details	Editor's Note: std plan reinstated from 2008.
2/24/16	SP 425	Alternative Walkways	Editor's Note: New Standard Plan.
2/24/16	SP 430	Type 430A & 430B Driveways	Editor's Note: Revised to add note 11.
2/24/16	SP 440c	Cement Concrete Stairway & Bike Runnel	Editor's Note: New Standard Plan.
2/24/16	SP 440d	Cement Concrete Stairway & Single Bike Runnel	Editor's Note: New Standard Plan.
2/24/16	SP 443	Vertical Railing	Editor's Note: details A, B & C added.
2/24/16	SP 464	Removable Steel Bollard	Editor's Note: New Standard Plan.
2/24/16	SP 501a	Service Cabinet Foundation Detail	Editor's Note: Standard Plan substantially revised. Replaces the previously revised SP 501a issued 9/30/14.
2/24/16	SP 501b	Joint Signal Controller/Service Cabinet Foundation Detail	Editor's Note: Standard Plan substantially revised. Replaces the previously revised SP 501b issued 9/30/14.
9/30/14	SP 507b	Lighting Service Connection & Light Pole Wiring Detail	Editor's Note: Pole Wiring Detail revised.
9/30/14	SP 510a	Vehicular Signal Mounting	Editor's Note: 8" head removed, note added.
9/30/14	SP 521	Pedestrian Pushbutton Post & Foundation	Editor's Note: Galvanized pipe callout revised.
9/30/14	SP 522a	Pedestrian Pushbutton Assembly	Editor's Note: Sign callouts revised, note 2 revised & note 3 added.
9/30/14	SP 522b	Accessible Pedestrian Signal Pushbutton Assembly	Editor's Note: Sign callouts revised, note 2 revised, note 3 added & title revised.

Revision Date	Section/Plan	Current Title	Text
2/24/16	SP 524	Pedestal & Foundation	Editor's Note: UFER removed, grounding lug added, callouts revised. Replaces the previously revised SP 524 issued 9/30/14.
9/30/14	SP 530a	Detector Loop Lead-in	Editor's Note: Title changed.
9/30/14	SP 530b	Detector Loop Details	Editor's Note: Title changed.
2/24/16	SP 541a	Foundation Strain Pole Foundation Detail	Editor's Note: Title revised, Face of Pole dimension revised and note added. Replaces the previously revised SP 541a issued 9/30/14.
2/24/16	SP 543a	Street Light Pole Foundations	Editor's Note: UFER added, notes 3 & 4 revised, callouts added and revised. Replaces the previously revised SP 543a issued 9/30/14.
2/24/16	SP 543b	Pedestrian Street Light Pole Foundations	Editor's Note: UFER added, note 3 revised, note 5 added & callouts added and revised. Replaces the previously revised SP 543b issued 9/30/14.
9/30/14	SP 550c	Polymer Concrete Handholes	Editor's Note: "Per Drawings" removed from Ground Rod callout.
2/24/16	SP 562a	Steel Mast Arm Pole	Editor's Note: Face of Pole dimension added, pole height corrected & Terminal Cabinet callout revised. Replaces the previously revised SP 562a issued 9/30/14.
2/24/16	SP 564	Terminal Cabinet Pole Mounting	Editor's Note: Callouts revised & note added for clarity.
2/24/16	SP 566a	Strain Pole Details	Editor's Note: Face of Pole dimension added & Festoon Outlet callout revised. Replaces the previously revised SP 566a issued 9/30/14.
2/24/16	SP 567a	Type T Strain Pole Details	Editor's Note: Face of Pole dimension revised & Festoon Outlet callout revised. Replaces the previously revised SP 567a issued 9/30/14.
9/30/14	SP 572	Steel Street Light Pole with Bracket Arm	Editor's Note: Festoon dimension added.
2/24/16	SP 613	SDS Bracket for Steel or Wood Poles	Editor's Note: Dept. of Transportation callout removed.
9/30/14	SP 722	Bicyclist & Pedestrian Symbols	Editor's Note: arrow revised & bike wheel size corrected.

End of document