

Amendments to the Design Criteria Manual & Supplementary Master Municipal Construction Documents

Updated:
April, 2020

Document	Section	Sub-Section	Page #	Type of change	Change	Effective Date
Design Criteria Manual	Introduction	1.1 Glossary of Terms	2	Revise	Revised definition of <i>Distribution Mains</i> (from 300mm diameter or less to 400mm diameter or less), and <i>Feeder Mains</i> (from 350mm diameter and larger to 450mm diameter and larger).	April , 2020
	Introduction	1.1 Glossary of Terms	3	Revise	Revised definition of <i>Service Connections</i> to include storm and water laterals as types of service connections.	April , 2020
	General	2.1.1 Existing Infrastructure Information	7	Add	Added wording in Section 2.1.1 regarding the <i>Consultant's</i> responsibility to perform due diligence during design to identify existing utilities (City and 3rd party).	April , 2020
	General	2.1.3 Certification by the Consultant	7	Revise	Added "or external agencies" to the Certification by the Consultant.	April , 2020
	General	2.2 Servicing Requirements Related to Various Zones	8	Revise	Revised Table 2.2.1, 2.2.2, 2.3.1 to include the 'RQ' and 'RF-13' zoning.	April , 2020
	General	2.2 Servicing Requirements Related to Various Zones	9	Delete	Deleted content of Section 4 regarding <i>Restricted City water</i> and Restrictive Covenant requirements, and subsequent update to Table 2.2.1.	April , 2020
	General	2.5 Utility Alignments and Services	17	Revise	Remove "Light Rapid Transit" from Section 2.5.6	April , 2020
	General	2.5 Utility Alignments and Services	18	Revise	Added "unless no other alignment is achievable."	April , 2020
	General	2.6 Development Application Process	20	Revise	Revised to "1st/2nd Readings" and "Public Hearing."	April , 2020
	Water	3.1 Demands and Flows	22	Revise	Revised Base Day Demand in Section 3.1.1 reduced from 300 L/day/capita to 200 L/day/capita.	April , 2020
	Water	3.1 Demands and Flows	23	Revise	Revised Table 3.1.1 to include the 'RQ' and 'RF-13' zoning.	April , 2020
	Water	3.1 Demands and Flows	24	Add	Added wording in Section 3.1.3 to allow consultant to propose measures to reduce fire flow requirements to match that listed in Table 3.1.1.	April , 2020
	Water	3.1 Demands and Flows	24	Add	Added wording in Section 3.1.3 requiring fire flow to be drawn from the water main fronting and flanking (if applicable) the principal entrance of the building or the development.	April , 2020
	Water	3.2 Water System Analysis	24	Revise	Revised Section Title.	April , 2020
	Water	Figure 3.2.1 Pressure Zones	26	Revise	Revised Figure 3.2.1: Pressure Zones to update pressure rating in some areas.	April , 2020
	Water	3.2 Water System Analysis	27	Revise	Revised wording in Section 3.2.6 clarifying the fire flow rate and location to calculate the minimum hydraulic head, and to delete text regarding the minimum hydraulic head for locations beyond 400m of the subject hydrant.	April , 2020
	Water	3.3.2 Watermains	27	Revise	Revised wording in Section 3.3.2.1 (c) requiring 100mm diameter water main on dead end mains where no hydrant connection is required.	April , 2020
	Water	3.3.2 Watermains	28	Add	Added wording in Section 3.3.2.2 (c) clarifying that a water main on the side yard or rear yard right-of-way may be approved if the right-of-way is paved.	April , 2020
	Water	3.3.2 Watermains	28	Add	Added wording in Section 3.3.2.2 clarifying that the water main shall be installed a minimum of 1m offset from property line and should avoid alignments below sidewalks and driveways.	April , 2020
	Water	3.3.2 Watermains	30	Delete	Deleted wording in Section 3.3.2.3 eliminating the requirement to install a small diameter service beyond the last hydrant of a dead end main.	April , 2020
	Water	3.3.2 Watermains	30	Revise	Revised wording in Section 3.3.2.6 to specify pipe material and joint restraint requirements in areas outside and within the seismic and landslide vulnerable areas.	April , 2020
	Water	3.3.2 Watermains	31	Revise	Revised wording in Section 3.3.2.7 clarifying the requirements for corrosion protection.	April , 2020
	Water	3.3.2 Watermains	31	Delete	Delete Figure 3.3.2 for Corrosion Protection Areas.	April , 2020
	Water	3.3.3 Gate Valves	31	Delete	Deleted word "Feeder Mains" in Section 3.3.3.1.	April , 2020
	Water	3.3.5 Air Valves	32	Revise	Revised wording to clarify that air valve is only on <i>Feeder Mains</i> . Added a requirement that an air valve is to be installed off the travelled portion of the road.	April , 2020
	Water	3.3.6 Hydrants	32	Add	Added wording in Section 3.3.6.1 to clarify any proposed new hydrant within road right-of-way is to be approved by the City	April , 2020
	Water	3.3.6 Hydrants	33	Revise	Revised wording in Section 3.3.6.2 clarifying that the <i>Developer</i> has the sole responsibility to conform to Building Code. Text regarding hydrant proximity to the building is deleted.	April , 2020
	Water	3.3.8 Thrust Blocks and Joint Restraints	33	Revise	Revise wording in Section 3.3.8 (a) to clarify that the Consultant is responsible to determine the relevant parameters required to design the thrust block or joint restraint.	April , 2020

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Water		3.3.9 Service Connections	34	Add	Added wording to specify that the service connection size for Single Family dwelling, without fire sprinkler, shall be 19mm or 25mm, except if the need for larger size can be demonstrated.	April , 2020
Water		3.4 Design of Pump Stations and Pressure Reducing Valve Facilities	35	Delete	Deleted content in Section 3.4.1 regarding circulating pressure reducing valve station locations and reference made to following a PRV station guidelines document.	April , 2020
Water		3.5 Water System Seismic and Landslide Design Standards	35	Revise	Revised Section Title.	April , 2020
Water		3.5 Water System Seismic and Landslide Design Standards	35	Revise	Revised wording in Section 3.5.1 to clarify that seismic and landslide design standards apply.	April , 2020
Water		3.5 Water System Seismic and Landslide Design Standards	36	Revise	Revised wording in Section 3.5.2 to specify pipe materials in seismic areas.	April , 2020
Water		3.5 Water System Seismic and Landslide Design Standards	36	Revise	Revised wording in Section 3.5.3 to specify joint restraint requirements.	April , 2020
Water		3.5 Water System Seismic and Landslide Design Standards	36	Delete	Delete Section 3.5.5 titled Water Connections to Structures.	April , 2020
Water		3.5 Water System Seismic and Landslide Design Standards	36	New Section	Add Section 3.5.4 titled Valve Spacing. This is to specify valve spacing requirements in seismic areas.	April , 2020
Water		3.5 Water System Seismic and Landslide Design Standards	36	Delete	Delete Section 3.5.6 titled Service Connections.	April , 2020
Water		3.5 Water System Seismic and Landslide Design Standards	37	Revise	Revised <i>Figure 3.5.1: Soils Vulnerable to Seismic Events</i> .	April , 2020
Water		3.6 Agricultural Water Distribution System	38	Delete	Delete Section 3.6.2 titled Domestic Non-Household Water Supply	April , 2020
Water		3.6 Agricultural Water Distribution System	38	Revise	Revised Section 3.6.1.1 to be Section 3.6.1 and Section 3.6.1.2 to be Section 3.6.2.	April , 2020
Water		3.6 Agricultural Water Distribution System	38	Revise	Revised wording in Section 3.6.1, where (c) and (d) are deleted and replaced with a reference to Section 3.1.1 of the Design Criteria Manual for per capita demand rates.	April , 2020
Water		3.6 Agricultural Water Distribution System	38	Add	Added wording to specify that a larger service connection up to 50mm may be approved if the need for larger connection can be demonstrated. A pressure sustaining valve (PSV) will be installed within City's road right-of-way for all service connection of 38mm or 50mm.	April , 2020
Sanitary Sewer		4.2 Sanitary Sewer Analysis	43	Revise	Revised wording in Section 4.2.4 clarifying that the Manning's Formula is to be carried out for gravity flow conditions assuming the pipe to be full or less than full.	April , 2020
Sanitary Sewer		4.3.5 Service Connections	47	Revise	Revised wording in Section 4.3.5 clarifying the sanitary service connections requirements when a typical gravity connection is not possible.	April , 2020
Sanitary Sewer		4.4 Design of Pump Stations and Force Mains	49	Add	New Section 4.4.2 to specify that a Cleanout manhole is required on a pump station Force Main every 400m.	April , 2020
Sanitary Sewer		4.5.2 Restrictive Covenant and Sanitary Right-of-Way	50	Delete	Deleted wording in Section 4.5.2 eliminating the requirement for a sanitary right-of-way to be registered on property for the valve chamber.	April , 2020
Sanitary Sewer		4.5.6 Design Flows and Hydraulics	52	Revise	Revised Section 4.5.6.1 regarding design flow calculations, renaming of the section to Single-Family, Multi-Family, Non-Residential and Mixed Areas.	April , 2020
Sanitary Sewer		4.5.7 Pipe	53	Revise	Revised Section 4.5.7 to specify Expansion Joints on the Force Main where ground settlement is anticipated.	April , 2020
Sanitary Sewer		4.5.8 Cleanout Manholes	53	Revise	Revised maximum spacing for Cleanout manholes in Section 4.5.8, from 100m to 150m.	April , 2020
Stormwater/Drainage		5.3.2 Rainfall Data	73	Revise	Revised Table 5.3.4: 1:2-Year Storm Intensity - Kwantlen Park for the 12 Hour (SCS) column.	April , 2020
Stormwater/Drainage		5.3.3 Rational Method	85	Revise	Revised Table 5.3.15 to include the 'RQ' and 'RF-13' zoning.	April , 2020
Stormwater/Drainage		5.3.3 Rational Method	88	Revise	Revised wording in Section 5.3.3.6 clarifying that the Manning's Formula is to be carried out for gravity flow conditions assuming the pipe to be full or less than full.	April , 2020
Stormwater/Drainage		5.4.4 Manhole Structures	95	Revise	Revised wording in Section 5.4.4.1 (g) to be 200mm diameter or larger and at the property line.	April , 2020
Stormwater/Drainage		5.5.4 Dyke Protection	107	Revise	Revised wording in Section 5.5.4 clarifying that approval of infrastructure, utilities and structures will not be installed within the dyke footprint, unless approved by the Engineer and Dyking District and Inspector of Dykes, as applicable.	April , 2020
Stormwater/Drainage		5.7.1 Pervious Concrete	111	Delete	Deleted reference to a Pervious Concrete <i>Standard Drawing</i> in Section 5.7.1.	April , 2020
Stormwater/Drainage		5.7.2 Porous Asphalt	112	Delete	Deleted reference to a Porous Asphalt <i>Standard Drawing</i> in Section 5.7.2.	April , 2020

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	Stormwater/Drainage	5.9 Watercourse Design	121	Revise	Revised wording in Section 5.9 specifying that works and infrastructure identified within the <i>Biodiversity Conservation Strategy</i> and <i>Green Infrastructure Network</i> must consider meeting the objectives of fish and wildlife passage and habitat requirements.	April , 2020
	Transportation System	6.1.4 Transportation Impact Analysis	129	Revise	Revised wording in Section 6.1.4 to reduce the trigger a Transportation Impact Analysis to 100 trips during the peak hour.	April , 2020
	Transportation System	6.2 Roadway Design	131	Revise	Revised Table 6.2.1 and Notes to state that actual truck volume counts will be used to determine the appropriate %T for Arterial Roads, at the discretion of the Engineer.	April , 2020
	Transportation System	6.4.3 Left Turn Design	138	Revise	Revised wording in Section 6.4.3.1 to reduce the symmetrical reverse radius curve from 100m to 25m.	April , 2020
	Transportation System	6.7.4 Concrete Pavement Structural Design	153	Revise	Revised wording in Section 6.7.4.2 clarifying that the concrete flexural strength shall be 40 Mpa at 28 days.	April , 2020
	Transportation System	6.8.1 Street Lighting	155	Add	New Section 6.8.1.5 specifying the Color Temperature for street lighting design.	April , 2020
	Transportation System	6.9.1 Signal Heads	166	Revise	Revised Table 6.9.2 specifying the lens size and shape as 450mm square for pedestrian signal heads.	April , 2020
	Transportation System	6.9.2 Pole Placement	167	Revise	Revised wording in Section 6.9.2 specifying that signal arms do not hang over the lanes of a skewed intersection.	April , 2020
	Transportation System	6.9.5 Audible Pedestrian Signals	169	Revise	Revised wording in Section 6.9.5 specifying the requirement for audible pedestrian signals to assist visually impaired pedestrian.	April , 2020
	Unique Designated Areas	7.2 Bridgeview - South Westminster Requirements	170	Revise	Revised wording in Section 7.2.2.1 specifying the minimum grades for sewers and service connections.	April , 2020
	Unique Designated Areas	7.3 West Panorama Ridge Requirements	171	Revise	Revised wording in Section 7.3.2 specifying that LED street lights are required only at intersections of Arterial and Collector Roads in West Panorama Ridge area.	April , 2020
	Unique Designated Areas	7.4 City Centre	171	Revise	Revised wording in 7.4 referencing newly published City Centre area.	April , 2020
Supplementary General Conditions	Definitions	1.76 Variance Threshold Percentage	1	Revise	Revised wording to reinstate variance threshold percentage to apply to unit rates, with exception to unit rates paid through 'lump sum' or 'each'	April , 2020
	Definitions	1.81 Foreign Material	1	Revise	Revised wording to include homogenous rocks having an individual volume greater than 1 cubic metre	April , 2020
	Definitions	1.89 Municipal Utilities	2	Revise	New definition of all utilities under the ownership of the City	April , 2020
	Contract Administrator	3.3 Contract Administration	3	Delete	Delete Section 3.3 related to costs for monuments and benchmarks as it is already stated in the 'Surrey Fee Setting By-law'	April , 2020
	Contractor	4.3 Protection of Work, Property and the Public	6	Delete	Delete second paragraph of SGC 4.3.9 reinstating the Contractor's ability to make a claim if access to private property necessary to complete the Work is not arranged by the Owner.	April , 2020
	Contractor	4.3 Protection of Work, Property and the Public	7	Revise	Revised wording for SGC 4.3.10 removing the requirement for a Contractor to obtain a release from a private property owner.	April , 2020
	Contractor	4.6 Construction Schedule	8	Delete	Delete SGC 4.6.9 which requires an inspector to be present when the Contractor is working on the site	April , 2020
	Changes	7.0 Changes	10	Revise	Revised wording to SGC 7.4.1 allowing a Contractor to request an adjustment to the Contract Time for Optional Work performed that impacts the critical path on the Contractor's schedule	April , 2020
	Valuation of Changes and Extra Work	9.4 Quantity Variations	10	Delete	Delete SGC 9.4.1 reinstating the variance threshold percentage for quantities	April , 2020
Concealed or Unknown Conditions	11.1 Definition	11	Revise	Revised wording to include Municipal Utilities as a concealed or unknown condition to provide a more equitable allocation of risk	April , 2020	
Supplementary Specifications	Section 01 55 00: Traffic Control, Vehicle Access and Parking	1.0 General	8	Revise	Revised 1.0.8 Traffic Management road booking requirement.	April , 2020
	Section 01 55 00: Traffic Control, Vehicle Access and Parking	1.5 Payment	11	Revise	Revised payment percentage amounts so that the bulk of payments are distributed in monthly progress payments.	April , 2020
	Section 01 62 01S: List of Approved Materials and Products	33 11 01 Waterworks	18	Add	Added approved manufacturers to 2.2.1: Ductile Iron Pipe.	April , 2020
	Section 01 62 01S: List of Approved Materials and Products	33 11 01 Waterworks	18	Revise	Revised Royal Pipe manufacturer's name in 2.2.2: PVC Pressure Pipe. This change is repeated throughout the document accordingly.	April , 2020
	Section 01 62 01S: List of Approved Materials and Products	33 11 01 Waterworks	18	Add	Added Earthquake resistant pipe products.	April , 2020
	Section 01 62 01S: List of Approved Materials and Products	33 11 01 Waterworks	19	Add	Added restrained pipe products for non-seismic area.	April , 2020
	Section 01 62 01S: List of Approved Materials and Products	33 11 01 Waterworks	19	Remove	Remove integral joint restraints for PVC pipe.	April , 2020
	Section 01 62 01S: List of Approved Materials and Products	33 11 01 Waterworks	19	Add	Added Sigma Joint restraint products to 2.2.4: Fittings and revised Joint Restraint Pipe System approved material and products.	April , 2020
	Section 01 62 01S: List of Approved Materials and Products	33 11 01 Waterworks	19	Add	Added Terminal City to 2.3.1 Gate Valves approved products.	April , 2020
	Section 01 62 01S: List of Approved Materials and Products	33 30 01 Sanitary Sewers	22	Add	Added concrete pull box to 2.3: Inspection Chamber and clarified requirements regarding location and cast iron lid marked with 'Sanitary' or 'Storm'.	April , 2020
	Section 01 62 01S: List of Approved Materials and Products	33 40 01 Storm Sewers	26	Add	Added concrete pull box to 2.6: Inspection Chamber and clarified requirements regarding location and cast iron lid marked with 'Sanitary' or 'Storm'.	April , 2020

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	Section 01 62 01S: List of Approved Materials and Products	33 44 01 Manholes and Catch Basins	27	Revise	Revised the East Jordan specification numbers for ordering the frames and the storm, sanitary and water covers in 2.1.7: Manhole Frames and Covers.	April , 2020
	Section 26 05 34: Conduits for Communication Network	Add Section 26 05 34S Conduits for Communication Network	34	Add	Add Section 26 05 34S for communication conduit installation	April , 2020
	Section 31 23 01: Excavating, Trenching and Backfilling	3.0 Execution	43	Revise	Revise 3.6 Surface Restoration wording regarding temporary pavement patching of arterial roads within 72 hours of excavation using steel road plates, and 5 days for local roads.	April , 2020
	Section 31 23 01: Excavating, Trenching and Backfilling	3.0 Execution	44	Revise	Revise 3.6 Surface Restoration requiring permanent pavement within 60 calendar days of placement of temporary patch	April , 2020
	Section 31 23 01: Excavating, Trenching and Backfilling	3.0 Execution	44	Revise	Revise 3.6 Surface Restoration requiring temporary pavement patches to be made using hot-mix asphalt.	April , 2020
	Section 32 12 17 Superpave Hot Mix Asphalt Concrete Paving	2.1 Materials	57	Revise	Revised aggregate size mix in 2.1.3.1.	April , 2020
	Section 34 41 13: Traffic Signals	2.16 Traffic and Pedestrian Signals	91	Revise	Revised 2.16.1 to remove requirement for green housing and cowl cover. Added special crosswalk head section.	April , 2020
	Section 34 41 13: Traffic Signals	2.16 Traffic and Pedestrian Signals	91	Revise	Deleted 2.16.2 and replaced with wording to clarify housing colours.	April , 2020
	Section 34 41 13: Traffic Signals	2.21 Pedestrian/Cyclist Pushbuttons	91	Revise	Revised 2.21.1 to clarify requirements for special crosswalk and cyclist pushbuttons.	April , 2020
	Section 34 41 13: Traffic Signals	2.21 Pedestrian/Cyclist Pushbuttons	91	Revise	Revised 2.21.8 to clarify requirements for cyclist pushbuttons.	April , 2020
Standard Drawings	General	SSD - G.1.1	-	Revise	Updated 'Inspection Chamber for Sanitary and Storm Sewer Connections'	April , 2020
	General	SSD - G.1.1	-	Revise	Added concrete pull box and clarified requirements regarding location and cast iron lid marked with 'Sanitary' or 'Storm'.	April , 2020
	General	SSD-G.2	-	Revise	Updated 'Regular Trench Cuts'	April , 2020
	General	SSD-G.2	-	Revise	Revision to trench cut drawings to reflect revised pavement restoration requirements	April , 2020
	General	SSD-G.4	-	Revise	Updated 'Utility Trench'	April , 2020
	General	SSD-G.4	-	Revise	Revision to trench cut drawings to reflect revised pavement restoration requirements	April , 2020
	General	SSD-G.5	-	Revise	Updated 'Surface Asphalt Reinstatement and Standard Road Structure Sections'	April , 2020
	General	SSD-G.5	-	Revise	Revise standard road structure sections and removed referenced to pavement restoration requirements as these have been moved to SSD G.2	April , 2020
	General	SSD-G.6	-	Add	Added 'Type I & II Height Adjustable Manhole Frame and Cover'	April , 2020
	General	SSD-G.6	-	Add	Add SSD-G.6 for Type 1 and Type 2 Height Adjustable Manhole Frame and Cover	April , 2020
	General	SSD - S.1	-	Revise	Updated 'Sanitary Sewer Service Lead at Property'	April , 2020
	General	SSD - S.1	-	Revise	Clarified the requirement that the IC riser is to be painted red and the cap is to be pigmented red.	April , 2020
	General	SSD - S.2.1	-	Revise	Updated 'Manhole Frames and Cover'	April , 2020
	General	SSD - S.2.1	-	Revise	Updated Manhole Frame and Cover for Fish Symbol requirements	April , 2020
	General	SSD-R.1	-	Revise	Updated 'Road Sections, Arterial Roads'	April , 2020
	General	SSD-R.1	-	Revise	Updated requirements for Arterial Road Standard	April , 2020
	General	SSD-R.2	-	Revise	Updated 'Road Sections, Collector Roads'	April , 2020
	General	SSD-R.2	-	Revise	Updated requirements for Collector Road Standard	April , 2020
	General	SSD-R.4	-	Revise	Updated 'Road Sections, Urban Forest Arterial Roads'	April , 2020
	General	SSD - R.12	-	Revise	Updated 'Lane Section, Standard'	April , 2020
	General	SSD - R.12	-	Revise	Revised the location of the inspection chambers (IC) to be within the lane.	April , 2020
	General	SSD-R.15	-	Revise	Updated 'Raised Median, Left Turn Bay'	April , 2020
	General	SSD-R.15	-	Revise	Changed channelized left turn bays to 25m radius	April , 2020
	General	SSD-R.15.1	-	Revise	Updated 'Raised Median, End Treatment'	April , 2020
	General	SSD-R.17	-	Revise	Updated 'Raised Median, Fence'	April , 2020
	General	SSD-R.17	-	Revise	Median fence style and height changed	April , 2020
General	SSD-R.18	-	Revise	Updated 'Bus Stop, Bay Details'	April , 2020	
General	SSD-R.18.1	-	Revise	Updated 'Bus Stop, Landing Pad'	April , 2020	
General	SSD-R.21	-	Revise	Updated 'Pathways, Next-to-Road Multi-Use Detail'	April , 2020	
General	SSD-R.21.1	-	Revise	Updated 'Pathways, Multi-Use Section Details'	April , 2020	

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	General	SSD-E.10.11		Add	Added 'Communication Conduit Valves'	April , 2020
	General	SSD-E10.11		Add	New drawing for communication conduit vaults	April , 2020
	General	SSD-E.10.12		Add	Added 'Communication Conduit Utility Trench'	April , 2020
	General	SSD-E10.12		Add	New drawing for communication conduit trench detail	April , 2020
	General	SSD-E.10.13		Add	Added 'Communication Conduit Conduit Entry Detail'	April , 2020
	General	SSD-E10.13		Add	New drawing for communication conduit entry detail with vault	April , 2020
	General	SSD - W.1	-	Revise	Updated 'Water Service Connection 19mm to 50mm Only'	April , 2020
	General	SSD - W.1	-	Revise	Clarified the requirement to utilize a concrete pull box within driveways.	April , 2020
	General	SSD - W.2	-	Revise	Updated 'Fireline / Domestic Service Connection Greater Than or Equal to 100mm'	April , 2020
	General	SSD - W.2	-	Revise	Clarified that the tie-rods must be stainless steel. Added a gate valve to the main. Check valve only required on 100mm or larger.	April , 2020
	General	SSD-W.3		Revise	Updated '50mm Pressure Sustaining Valve & Chamber Installation'	April , 2020
	General	SSD - W.6	-	Add	Added 'Combination Air Valve'	April , 2020
	General	SSD - W.6	-	Add	New drawing to define requirements for a combination air valve installation.	April , 2020
	General	SSD-G.6		Add	SSD-S.2.2 moved to SSD-G.6 Clarified that the Type I manhole frame must not be over inserted and must maintain a minimum 35mm separation between the frame components.	April , 2020
	General	CCSD-5A		Revise	Updated 'Typical Arterial Road Cross Section (32m) ROW'	April , 2020
	General	CCSD-5B		Revise	Updated 'Protected Bike Lane Plan View (32m) ROW'	April , 2020
	General	CCSD-5C		Revise	Updated 'Protected Bike Lane Cross Section (32m) ROW'	April , 2020
	General	CCSD-5D		Revise	Updated 'Protected Bike Lane Intersection Plan View – 32m ROW'	April , 2020
	General	CCSD-6A		Revise	Updated 'Typical Arterial Road Cross Section (30m) ROW'	April , 2020
	General	CCSD-6B		Revise	Updated 'Protected Bike Lane Plan View (30m) ROW'	April , 2020
	General	CCSD-6C		Revise	Updated 'Protected Bike Lane Cross Section (30m) ROW'	April , 2020
	General	CCSD-6D		Revise	Updated 'Protected Bike Lane Intersection Plan (30m) ROW'	April , 2020
	General	CCSD-7A		Revise	Updated 'Typical Collector Road Cross Section (24m) ROW'	April , 2020
	General	CCSD-7B		Revise	Updated 'Protected Bike Lane Plan View (24m) ROW'	April , 2020
	General	CCSD-7C		Revise	Updated 'Protected Bike Lane Cross Section (24m) ROW'	April , 2020
	General	CCSD-7D		Revise	Updated 'Protected Bike Lane Intersection Plan View (24m) ROW'	April , 2020
	General	CCSD-8A		Revise	Updated 'Typical Local Road Cross Section'	April , 2020
	General	CCSD-8B		Revise	Updated 'Local Boulevard for (20m) ROW Hardscape Frontage'	April , 2020
	General	CCSD-8C		Revise	Updated 'Local Boulevard for (20m) ROW Boulevard Treatment Plan & Section'	April , 2020
	General	CCSD-8D		Revise	Updated 'Local Boulevard for (20m) ROW Typical Hardscape Section (4.5m) Boulevard'	April , 2020
	General	CCSD-8E		Revise	Updated 'Local Boulevard for (20m) ROW Softscape Frontage'	April , 2020
	General	CCSD-8F		Revise	Updated 'Local Boulevard for (20m) ROW Typical Softscape Section (4.5m) Boulevard'	April , 2020
	General	CCSD-9A		Revise	Updated 'Typical Cross Section Green Lanes (6.5m) Pavement'	April , 2020
	General	CCSD-9B		Revise	Updated 'Typical Cross Section Green Lanes (8.0m) Pavement'	April , 2020
	General	CCSD-10A		Revise	Updated 'BC Parkway with Hardscape Boulevard'	April , 2020
	General	CCSD-10B		Revise	Updated 'BC Parkway with Hardscape Boulevard – Cross Section'	April , 2020
	General	CCSD-10C		Revise	Updated 'BC Parkway with Softscape'	April , 2020
	General	CCSD-10D		Revise	Updated 'BC Parkway with Softscape - Cross Section'	April , 2020
	General	CCSD-11A		Revise	Updated 'Single Letdown at Intersection Boulevard'	April , 2020
	General	CCSD-11B		Revise	Updated 'Split Letdown at Intersection Boulevard Greater than 4.50m'	April , 2020
	General	CCSD-11C		Revise	Updated 'Single Ramp Letdown with Parallel Scoring'	April , 2020
	General	CCSD-11D		Revise	Updated 'Typical Treatment Two Letdowns for Protected Intersection'	April , 2020
	General	CCSD-12A		Revise	Updated 'Driveway Type I Plan & Section View (30m) ROW'	April , 2020
	General	CCSD-12B		Revise	Updated 'Driveway Type II Plan & Section View (30m) ROW'	April , 2020
	General	CCSD-12C		Revise	Updated 'Local Road Driveways'	April , 2020

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Document	Section	Sub-Section	Page #	Type of change	Change	Effective Date
	General	CCSD-13A		Revise	Updated 'Typical Bus Stop Plan View (30m) ROW'	April , 2020
	General	CCSD-13B		Revise	Updated 'Local Boulevard for 20m ROW Bus Stop for (4.5m) Frontage'	April , 2020
	General	CCSD-14A		Revise	Updated 'Street Lights – Type 'A''	April , 2020
	General	CCSD-14B		Revise	Updated 'Street Lights – Type 'B' with Pedestrian Light'	April , 2020
	General	CCSD-14C		Revise	Updated 'Street Lights – Type 'C' Pedestrian Light'	April , 2020
	General	CCSD-14D		Revise	Updated 'Traffic Signal Pole'	April , 2020
	General	CCSD-14E		Revise	Updated 'Typical Trash Can (Big Belly) '	April , 2020
	General	CCSD-14F		Revise	Updated 'Typical Bike Rack (BR1)'	April , 2020
	General	CCSD-14G		Revise	Updated 'Bench Detail'	April , 2020
	General	CCSD-15		Revise	Updated 'Ornamental Grasses'	April , 2020