

Amendments to the January 2016 Design Criteria Manual & Supplementary Master Municipal Construction Documents

Updated:  
August 17, 2018

Document	Section	Sub-Section	Page #	Type of change	Change	Effective Date
<b>Standard Drawings</b>	City Centre	CCSD-1 to CCSD-15	-	Add	Add City Centre Standard Drawings (Corporate Report R176;2017)	August 17, 2018
<b>Design Criteria Manual</b>	General	Figure 2.3.1	16	Revise	Revised <i>Figure 2.3.1: New Development Areas where Secondary Suites Apply</i> to include two new areas (#4 and 5).	July 11, 2016
	Water	3.3.2 Watermains	31	Add	Added wording in Section 3.3.2.3 regarding the sizing design and minimum diameter required for looping water mains	July 11, 2016
	Water	3.3.6 Hydrants	35	Add	Added wording in Section 3.3.6.1 to clarify minimum distance of hydrant from end of cul de sac /road	July 11, 2016
	Water	Figure 3.5.1	39	Add	Added <i>Figure 3.5.1: Soils Vulnerable to Seismic Events</i> to digital PDF file and re-numbered pages within Water Section and Table of Contents accordingly	July 11, 2016
	Sanitary Sewer	4.3.4 Manhole Structures	49	Revise	Revised wording in Section 4.3.4.1 (g) to require manhole "at property line" for 200mm diameter service or larger"	July 11, 2016
	Stormwater / Drainage	5.4.4 Manholes	97	Revise	Revised wording in Section 5.4.4.1 (g) to be 250mm diameter or larger and at the property line	July 11, 2016
	Stormwater / Drainage	5.4.5 Catch Basins	100	Revise	Revised wording in Section 5.4.5.2 and 5.4.5.3 to include maximum surface area to a catch basin, and when catch basins are to be connected to manholes	July 11, 2016
<b>Supplementary General Conditions</b>	Document unchanged					July 11, 2016
<b>Supplementary Specifications (List of Approved Materials and Products)</b>	Section 01 62 01S: List of Approved Materials and Products	33 11 01 Waterworks	18	Revise	<b>2.2.1: Ductile Iron Pipe</b> Added wording requiring nitrile gaskets when hydrocarbon soils encountered	July 11, 2016
	Section 01 62 01S: List of Approved Materials and Products	33 11 01 Waterworks	19	Revise	<b>2.2.4: Fittings</b> Under Ductile Iron / Compact Ductile Iron Main category, add "Sigma Products" as an Approved Product / Manufacturer	July 11, 2016
	Section 01 62 01S: List of Approved Materials and Products	33 11 01 Waterworks	19	Revise	<b>2.2.4: Fittings / Couplings / Joint Restraints</b> Under all categories for fittings, couplers, flange adaptors, repair clamps, etc., clarify requirement for Type 304 Stainless Steel hardware including all bolts, nuts and rods.	July 11, 2016
	Section 01 62 01S: List of Approved Materials and Products	33 11 01 Waterworks	20	Revise	<b>2.3.1: Gate Valves</b> Revised wording to clarify approved material types and products for diameters	July 11, 2016
	Section 01 62 01S: List of Approved Materials and Products	33 11 01 Waterworks	20	Deletion	<b>2.3.4: Blow-off Valves</b> Deleted multiple references to 50mm gate valves	July 11, 2016
	Section 01 62 01S: List of Approved Materials and Products	33 11 01 Waterworks	20	Revise	<b>2.3.6: Water Valve Boxes</b> Clarified water valve boxes to be circular cast iron (MR6 style).	July 11, 2016
	Section 01 62 01S: List of Approved Materials and Products	33 11 01 Waterworks	20	Addition	<b>2.3.7: Service Valve Boxes</b> Added wording regarding concrete water meter boxes require metal lid	July 11, 2016
	Section 01 62 01S: List of Approved Materials and Products	33 11 01 Waterworks	21	Revise	<b>2.7: Underground Service Line Valves and Fittings</b> Revised wording to clarify when gate valves are required for service connection	July 11, 2016

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August 17, 2018

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	Section 01 62 01S: List of Approved Materials and Products	33 30 01 Sanitary Sewers	21	Revise	<b>2.3: Plastic Pipe, Mainline Smooth Profile</b> Revise heading to read "Plastic Pipe Mainline Smooth Profile"	July 11, 2016
<b>Supplementary Specifications</b> <i>(List of Approved Materials and Products)</i>	Section 01 62 01S: List of Approved Materials and Products	33 30 01 Sanitary Sewers	22	Revise	<b>2.3: Service Connections</b> Deleted wording regarding services that require a manhole at the property line and incorporated this requirement into the Design Criteria Manual	July 11, 2016
	Section 01 62 01S: List of Approved Materials and Products	33 30 01 Sanitary Sewers	22	Deletion	<b>2.3: Inspection Chamber</b> Deleted wording regarding IC to be pre-plugged	July 11, 2016
	Section 01 62 01S: List of Approved Materials and Products	33 30 01 Sanitary Sewers	22	Deletion	<b>2.3: Inspection Chamber</b> Deleted concrete water boxes from approved product for inspection chamber cover.	July 11, 2016
	Section 01 62 01S: List of Approved Materials and Products	33 34 01 Sewage Forcemains	23	Deletion	<b>2.2.2: PVC Pressure Pipe</b> Delete wording requiring nitrile gaskets on sewage forcemains	July 11, 2016
	Section 01 62 01S: List of Approved Materials and Products	33 34 01 Sewage Forcemains	23	Revise	<b>2.2.5: Fittings</b> Revised wording to clarify Type 304 stainless steel hardware required	July 11, 2016
	Section 01 62 01S: List of Approved Materials and Products	33 34 01 Sewage Forcemains	23	Deletion	<b>2.2.8: Low Pressure Sewage Forcemains</b> Deleted wording requiring nitrile gaskets on sewage forcemains	July 11, 2016
	Section 01 62 01S: List of Approved Materials and Products	33 34 01 Sewage Forcemains	23	Revise	<b>2.3.2: Gate Valves</b> Revised wording to clarify approved material types and products for diameters	July 11, 2016
	Section 01 62 01S: List of Approved Materials and Products	33 40 01 Storm Sewers	24/25	Revise	<b>Various Sub-Sections</b> Revised elevation threshold for Lowland areas from 10.0m to 7.0m	July 11, 2016
	Section 01 62 01S: List of Approved Materials and Products	33 40 01 Storm Sewers	24	Revise	<b>2.2: PVC Pipe, Mainline Smooth Wall</b> Revised heading to read: "PVC Pipe, Mainline Smooth Wall"	July 11, 2016
	Section 01 62 01S: List of Approved Materials and Products	33 40 01 Storm Sewers	26	Deletion	<b>2.6: Inspection Chamber</b> Deleted wording regarding IC to be pre-plugged	July 11, 2016
	Section 01 62 01S: List of Approved Materials and Products	33 40 01 Storm Sewers	26	Deletion	<b>2.6: Inspection Chamber</b> Deleted concrete water boxes from approved product for inspection chamber cover.	July 11, 2016
	Section 01 62 01S: List of Approved Materials and Products	33 42 13 Pipe Culverts	26/27	Revise	<b>Various Sub-Sections</b> Revised elevation threshold for Lowland areas from 10.0m to 7.0m	July 11, 2016
	Section 01 62 01S: List of Approved Materials and Products	33 42 13 Pipe Culverts	26	Revise	<b>2.1 Corrugated Steel Pipe</b> Revised wording to Aluminized II Coating	July 11, 2016
	Section 01 62 01S: List of Approved Materials and Products	33 44 01 Manholes and Catch Basins	27	Revise	<b>2.1 Precast Manhole sections</b> Added Diamond Precast to the approved list of manufacturers	July 11, 2016
	Section 03 30 20: Concrete Walks, Curbs and Gutters	2.0 Products	30	Addition	<b>2.1: Materials</b> Added wording to SS 2.1.7 to include sealing of coloured concrete after installation.	July 11, 2016

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Supplementary Specifications	Section 31 15 60: Dust Control	3.0 Execution	37	Revise	<b>3.1: Application</b> Revised wording to SS 3.1.1 to exclude flushing of roads	July 11, 2016
	Section 31 23 01: Excavating, Trenching and Backfilling	1.0 General	39	Append	<b>1.8: Limitations of Open Trench</b> Append wording regarding City permission required to leave open trenches within roadways	July 11, 2016
	Section 31 23 01: Excavating, Trenching and Backfilling	2.0 Products	40	Revise	<b>2.2: Use of Specified Materials</b> Revised wording to 2.2.3 to clarify trench backfill to be imported granular material as per SSD -G.4	July 11, 2016
	Section 31 23 01: Excavating, Trenching and Backfilling	3.0 Execution	40	Revise	<b>3.5: Backfill and Compaction</b> Revised wording to 3.5.4.4 on minimum compaction testing requirements	July 11, 2016
	Section 31 23 01: Excavating, Trenching and Backfilling	3.0 Execution	40	Revise	<b>3.6: Surface Restoration</b> Added revision to MMCD wording regarding temporary pavement patching of local roads, lanes and driveways to be within 48 hours of excavation.	July 11, 2016
	Section 32 17 23: Painted Pavement Markings	2.0 Products	55	Revise	<b>2.1: Materials</b> Revised numbering for temporary markings and added 2.1.7 for Permanent Pavement Markings	July 11, 2016
	Section 32 91 21: Topsoil and Finish Grading	2.0 Products	57	Revise	<b>2.10: Growing Medium</b> Revised the accepted range for some of the parameters in Table 2	July 11, 2016
	Section 33 11 01: Waterworks	2.0 Products	64	Revise	<b>2.2: Mainline Pipe, Joints and Fittings</b> Revised wording in SS 2.2.4.10.1 for tie-rods to be stainless steel	July 11, 2016
	Section 33 11 01: Waterworks	2.0 Products	64	Revise	<b>2.2: Mainline Pipe, Joints and Fittings</b> Revised wording to SS 2.2.7.2 to be "Cast Iron Pipe Size"	July 11, 2016
	Section 33 11 01: Waterworks	3.0 Execution	66	Revise	<b>3.10 Service Connection Installation</b> Revised wording to SS 3.10.11 to delete references in MMCD 3.10.11 to service connection diameters	July 11, 2016
	Section 33 34 01: Sewage Forcemains	2.0 Products	76	Revise	<b>2.2: Pipe, Joints and Fittings</b> Revised Wording to SS 2.2.2.4 to be "Cast Iron Pipe Size"	July 11, 2016
	Section 33 34 01: Sewage Forcemains	2.0 Products	77	Revise	<b>2.2: Pipe, Joints and Fittings</b> Revised Wording to SS 2.2.5.13 to include PVC and PVCO	July 11, 2016
	Section 33 40 01: Storm Sewers	2.0 Products	79	Revise	<b>2.3: Spiral Rib Pipe - Steel</b> Revised wording to clarify spiral rib steel not permitted for storm sewer	July 11, 2016
	Section 33 40 01: Storm Sewers	2.0 Products	79	Revise	<b>2.6: Service Connections</b> Revised diameter to 250mm or larger require manhole at the main	July 11, 2016
	General	SSD-G.1	-	Revise	Revised offset between sanitary and storm service connections	July 11, 2016
General	SSD-G.1.1	-	Add	Add inspection chamber detail, to replace MMCD S9, and make it applicable to both sanitary and storm service IC's	July 11, 2016	
General	SSD-G.4	-	Revise	Revised trench backfill requirements for Collector Roads	July 11, 2016	

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Standard Drawings	General	SSD-G.5	-	Revise	Revised asphalt thickness, and material type for driveways, and varied by land-use	July 11, 2016
	Drainage	SSD-D.8	-	Revise	Added dimensions for asphalt apron width	July 11, 2016
	Drainage	SSD-D.9	-	Revise	Revised title to include "Curb"	July 11, 2016
	Drainage	SSD-D.12	-	Revise	Clarified drain rock to be "clear crushed" and clarified filter cloth note	July 11, 2016
	Transportation	SSD-R.1 through R.7	-	Revise	Revised median and boulevard topsoil to be 450mm growing medium	July 11, 2016
	Transportation	SSD-R.12	-	Revise	Added clarity on alternate inspection chamber location, in lane section, if approved by the City	July 11, 2016
	Transportation	SSD-R.13	-	Revise	Revised sidewalk thickness notes to include reference to driveway letdown detail drawing which identifies the sidewalk thickness required at driveways	July 11, 2016
	Transportation	SSD-R.13.1	-	Revise	Revised sidewalk thickness notes to include reference to driveway letdown detail drawing which identifies the sidewalk thickness required at driveways	July 11, 2016
	Transportation	SSD-R.15.1	-	Revise	Revised object marker sign post location and added detail for bull nose median at left turn lane	July 11, 2016
	Transportation	SSD-R.15.2	-	Revise	Revised title of drawing. Also revised object marker sign post location	July 11, 2016
	Transportation	SSD-R.15.3	-	Revise	Revised title of drawing. Also revised object marker sign post location	July 11, 2016
	Transportation	SSD-R.16	-	Revise	Clarified median curb to be reverse, narrow base barrier curb and gutter per MMCD	July 11, 2016
	Transportation	SSD-R.17	-	Revise	Removed decorative sign plate from top of fence posts	July 11, 2016
	Transportation	SSD-R.18.1	-	Revise	Revised notes to indicate concrete pad in travel/curb lane may be required by City for high volume bus locations	July 11, 2016
	Transportation	SSD-R.18.2	-	Revise	Revised notes for electrical duct to be stubbed flush with concrete pad	July 11, 2016
	Transportation	SSD-R.21.1	-	Revise	Revised thickness of granular subbase to 200mm	July 11, 2016
Transportation	SSD-R.21.2	-	Revise	Revised concrete joint details /notes and style of curb	July 11, 2016	

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Standard Drawings	Transportation	SSD-R.24, 24.1 and 24.2	-	Revise	Revised flare of concrete driveway to project through to back of sidewalk	July 11, 2016
	Transportation	SSD-R.24.3	-	Revise	Revised sidewalk thickness note to clarify and be consistent amongst details	July 11, 2016
	Transportation	SSD-R.27	-	Revise	Revised asphalt material for walkways to be UC #2	July 11, 2016
	Transportation	SSD-R.28.2	-	Revise	Clarified curb and gutter to be narrow base per MMCD	July 11, 2016
	Transportation	SSD-R.29	-	Revise	Added expansion joint details	July 11, 2016
	Transportation	SSD-R.29.1	-	Revise	Revised stamped concrete pattern to be Random Rock	July 11, 2016
	Transportation	SSD-R.30	-	Revise	Revised stamped concrete pattern to be Random Rock	July 11, 2016
	Sewer	SSD-S.1	-	Revise	Revised Note #4 to refer to Design Criteria Manual regarding service connection diameter that requires a manhole	July 11, 2016
	Sewer	SSD-S.6	-	Revise	Revised Valve Box to be MR6 Style or equivalent	July 11, 2016
	Water	SSD-W.1	-	Revise	Revised diameters and valve types for corporation and curb stop to vary by diameter	July 11, 2016
Water	SSD-W.4	-	Revise	Revise valve box to be Circular Cast Iron (MR6 Style) and on both risers	July 11, 2016	