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Supplementary Specification Disclaimer

This set of Supplementary Specifications is provided as the MMCD method of continual and collective improvement of the Document Set. These changes have been reviewed by the members of the MMCD for their applicability and relevance to the Documents, Specifications, and/or Standard Drawings and have been deemed important to the Documents to correct either errors or omissions since the release of the Documents.

Supplementary Specification Usage

Usage of Supplementary Specifications must be explicitly stated in order to be applicable - there is no inclusionary implication simply by their release by the MMCD. Users of the MMCD are encouraged to review each Supplementary Specification for applicability in their contract environment and apply necessary processes to incorporate them into their Tender preparation activities.

In order for a Supplementary Specification to be applicable for a Tender, it must be identified explicitly in the Schedule of Contract Documents – Schedule 1 of the Form of Agreement.

Supplementary Numbering Protocol

Supplementary Specifications, General Conditions, and Drawings are released as a set; this is done to reduce administrative overhead and not to imply dependence within the Supplementary items included in the release document. As such, each individual Supplementary item (specification, General Condition, or Drawing) included in this document is uniquely identified to permit users the opportunity to selectively include individual Supplementary items without including this Supplementary document in its entirety.

If, following requisite review processes, all items in this document are applicable to the user's Tender and Contract process, it is possible to include all items by the collection identifier; i.e. "MMCD Supplemental Update 2009-11-19" would include all items in this document.

If, however, only one of the items was determined to be applicable to the user's Tender and Contract process, a particular item (or group of items) can be included by the individual item reference; i.e. "GC 3.4.5S - 2009-010 (2009-11-19)" would represent the change to GC 3.4.5 included in this document.

Supplementary Specification:	GC 3.4.5S - 2009-010 (2009-11-19)		
Affected Document(s)	Volume II	Change Type	Correction
Section:	General Conditions	Reference:	3.4.5
Change Summary	Incorrect reference - should be 14.12.6 instead of 14.12.3		
Currently	3.4.5 If at any time and for any reason the Contract Administrator determines that inspection or testing of the Work, or portion of the Work, is required that was not called for in the Contract Documents, then the Contract Administrator may direct the Contractor to perform, or have performed, that inspection or testing, as provided in GC 4.12.3.		
Should Be	3.4.5S If at any time and for any reason the Contract Administrator determines that inspection or testing of the Work, or portion of the Work, is required that was not called for in the Contract Documents, then the Contract Administrator may direct the Contractor to perform, or have performed, that inspection or testing, as provided in GC 4.12.6.		
Supplementary Specification:	GC 7.1.3S - 2009-007 (2009-11-19)		
Affected Document(s)	Volume II	Change Type	Correction
Section:	General Conditions	Reference:	7.1.3
Change Summary	No sub section (c) exists in GC 7.1.1, the correct reference should be (a) and (b) of GC 7.1.1.1.		
Currently	7.1.3 Additional work that the Owner may wish performed that does not satisfy the requirements of subparagraphs (a) and (c) of GC 7.1.1 is extra Work ("Extra Work") and not a Change. Pursuant to GC 8, Extra Work may be declined by the Contractor or may, upon agreement between the parties, be undertaken as Extra Work.		
Should Be	7.1.3S Additional work that the Owner may wish performed that does not satisfy the requirements of subparagraphs (a) and (b) of GC 7.1.1.1 is extra Work ("Extra Work") and not a Change. Pursuant to GC 8, Extra Work may be declined by the Contractor or may, upon agreement between the parties, be undertaken as Extra Work.		

Supplementary Specification:	03 30 20 - 2.1.5.1S - 2009-008 (2009-11-19)		
Affected Document(s)	Volume II	Change Type	Correction
Section:	03 30 20 - Concrete Walks, Curbs, and Gutters	Reference:	2.1.5.1
Change Summary	Incorrect nomenclature for the minimum cement content value.		
Currently	<p>.1 Hand-formed and hand-placed concrete: Slump: 80 mm. Air entrainment: 5 to 8%. Maximum aggregate size: 20 mm. Minimum cement content: 35 kg/m³. Minimum 28 day compressive strength: 32 MPa.</p>		
Should Be	<p>.1S Hand-formed and hand-placed concrete: Slump: 80 mm. Air entrainment: 5 to 8%. Maximum aggregate size: 20 mm. Minimum cement content: 335 kg/m³. Minimum 28 day compressive strength: 32 MPa.</p>		

Supplementary Specification:	31 22 01 - 3.3.1S - 2009-001 (2009-11-19)																							
Affected Document(s)	Volume II	Change Type	Correction																					
Section:	31 22 01 - Site Grading	Reference:	3.3.1																					
Change Summary	Substitute correct Table 2 for duplicate Table 1 in Paragraph 3.3.1 Tolerances.																							
Currently	<p style="text-align: center;">TABLE 1: Maximum and Minimum Gradients in Landscaped Areas</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Location</th> <th style="text-align: center;">Minimum</th> <th style="text-align: center;">Maximum</th> </tr> </thead> <tbody> <tr> <td>Lawn and Grass</td> <td style="text-align: center;">50:1 (2%)</td> <td style="text-align: center;">3:1</td> </tr> <tr> <td>Grass Swales (without additional erosion protection)</td> <td style="text-align: center;">50:1 (2%)</td> <td style="text-align: center;">10:1 (10%)</td> </tr> <tr> <td>i) Slope along inverts</td> <td style="text-align: center;">6:1 (Preferred)</td> <td style="text-align: center;">3:1</td> </tr> <tr> <td>ii) Side Slopes</td> <td></td> <td></td> </tr> <tr> <td>Unmowed Areas</td> <td style="text-align: center;">100:1 (1%)</td> <td style="text-align: center;">2:1*</td> </tr> <tr> <td>Planted Areas</td> <td style="text-align: center;">50:1 (2%)</td> <td style="text-align: center;">2:1*</td> </tr> </tbody> </table> <p>* Unless directed otherwise by Contract Administrator</p>			Location	Minimum	Maximum	Lawn and Grass	50:1 (2%)	3:1	Grass Swales (without additional erosion protection)	50:1 (2%)	10:1 (10%)	i) Slope along inverts	6:1 (Preferred)	3:1	ii) Side Slopes			Unmowed Areas	100:1 (1%)	2:1*	Planted Areas	50:1 (2%)	2:1*
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Should Be	<p style="text-align: center;">TABLE 2: TOLERANCES FOR SUBGRADES WHERE GROWING MEDIUM (TOPSOIL) TO BE PLACED OVER SUBGRADE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Conditions</th> <th style="text-align: center;">Intended Growing Medium Depth</th> <th style="text-align: center;">Tolerance</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Within 3 m from fixed elevations (e.g., paving edges, curbs, etc.)</td> <td style="text-align: center;">0 - 150 mm</td> <td style="text-align: center;">± 25 mm</td> </tr> <tr> <td style="text-align: center;">151 - 300 mm</td> <td style="text-align: center;">± 25 mm</td> </tr> <tr> <td style="text-align: center;">301 - 600 mm</td> <td style="text-align: center;">± 50 mm</td> </tr> <tr> <td rowspan="3">Other areas</td> <td style="text-align: center;">0 - 150 mm</td> <td style="text-align: center;">± 25 mm</td> </tr> <tr> <td style="text-align: center;">151 - 300 mm</td> <td style="text-align: center;">± 50 mm</td> </tr> <tr> <td style="text-align: center;">301 - 600 mm</td> <td style="text-align: center;">± 50 mm</td> </tr> </tbody> </table>			Conditions	Intended Growing Medium Depth	Tolerance	Within 3 m from fixed elevations (e.g., paving edges, curbs, etc.)	0 - 150 mm	± 25 mm	151 - 300 mm	± 25 mm	301 - 600 mm	± 50 mm	Other areas	0 - 150 mm	± 25 mm	151 - 300 mm	± 50 mm	301 - 600 mm	± 50 mm				
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Supplementary Specification:	31 37 10 - 2.1.1.1.1S - 2009-002 (2009-11-19)			
Affected Document(s)	Volume II	Change Type	Correction	
Section:	31 37 10 - Riprap	Reference:	2.1.1.1.1	
Change Summary	Correct value from 50 to 0 in table 2.1.1.1.1.			
Currently	Percent Heavier Than	Percent Lighter Than	Mass (kg)	Equivalent Weight (N) Diameter (mm)
	0	100		<i>As specified</i>
	50	50		<i>in</i>
	100	50		<i>Contract Documents</i>
Should Be	Percent Heavier Than	Percent Lighter Than	Mass (kg)	Equivalent Weight (N) Diameter (mm)
	0	100		<i>As specified</i>
	50	50		<i>in</i>
	100	0		<i>Contract Documents</i>

Supplementary Specification:	32 17 23 - 2.1.7S - 2009-003 (2009-11-19)		
Affected Document(s)	Volume II	Change Type	Addition
Section:	32 17 23 - Painted Pavement Markings	Reference:	2.1.7
Change Summary	Add missing Paragraphs 2.1.7 through 2.1.7.6, resulting in current 2.1.7 as 2.1.7.7		
Currently	.7 The quantity, type, and gradation of the component reflecting glass spheres premixed in the thermoplastic material shall be at the discretion of the manufacturer, but shall provide retro-reflection levels specified below.		
Should Be	<p>.7S Thermoplastic material.</p> <ol style="list-style-type: none"> .1 Material composition shall be at the discretion of the manufacturer subject to the approval of the Contract Administrator. Each formulation shall be identified by a code number .2 No retained water when tested by ASTM D-570 .3 Specific gravity of the supplied product shall be within 3% of that specified for the selected formulation. .4 Material shall not deteriorate upon contact with deicing chemicals, gasoline, diesel fuel or grease dropped by traffic. .5 Material shall not break down, deteriorate, scorch or discolour, if held within the application temperature range specified by the manufacturer for a period of four hours and it must be able to be reheated from room temperature to the application temperature four (4) times without showing any of these detrimental effects. .6 When applied at the temperature recommended by the manufacturer and at a film thickness of 2 to 4mm, the material shall set solid and show no tracking under traffic after elapsed times as follows: <ol style="list-style-type: none"> .1 Two (2) minutes at an air temperature of 10° C, relative humidity less than 75%, and road surface temperature from 10° C to 20° C. .2 Five (5) minutes at an air temperature of 32° C, relative humidity less than 75%, and road surface temperature from 35° C to 50° C. .3 The drying time under conditions intermediate between the two air temperatures shall be interpolated using a straight line model. .7 The quantity, type, and gradation of the component reflecting glass spheres premixed in the thermoplastic material shall be at the discretion of the manufacturer, but shall provide retroreflection levels specified below. 		

Supplementary Specification:	32 31 13 - 3.3S; 3.4S; 3.5S - 2009-004 (2009-11-19)		
Affected Document(s)	Volume II	Change Type	Omission
Section:	32 31 13 - Chain Link Fences and Gates	Reference:	3.3 3.4 and 3.5
Change Summary	Omission from Gold Book Standard – Missing 02831 3.3, 3.4 and 3.5.		
Currently	<missing>		
Should Be	<p>3.3 Installation of Gates</p> <p>3.4 Touch up</p> <p>3.5 Cleaning</p>	<p>.1 Install gates in locations as shown on Contract Drawings.</p> <p>.2 Level contours between gate posts and set gate bottom approximately 40 mm above ground surface.</p> <p>.3 Determine position of centre gate rest for double gate. Cast gate rest in concrete as directed. Dome concrete above ground level to shed water.</p> <p>.4 Install gate stops where specified.</p> <p>.1 Clean damaged surfaces with wire brush removing loose and cracked coatings. Apply two coats of organic zinc-rich paint to damaged areas. Pre-treat damaged surfaces according to manufacturer's instructions for zinc-rich paint.</p> <p>.1 Clean and trim areas disturbed by operations. Dispose of surplus material as specified in Contract Documents.</p>	

Supplementary Specification:	33 11 01 - 1.8.14S - 2009-011 (2009-11-19)		
Affected Document(s)	Volume II	Change Type	Omission
Section:	33 11 01 - Waterworks	Reference:	
Change Summary	Missing entry when published.		
Currently	<missing>		
Should Be	1.8.14S - Payment for hydrants includes the hydrant body, lateral connections from mainline tee off watermain to hydrants, isolation valve at the mainline tee and curb valve with adjustable valve box and all other incidental work as shown on Standard Detail Drawing W4.		
Supplementary Specification:	33 11 01 1.8.13S - 2009-012 (2009-11-19)		
Affected Document(s)	Volume II	Change Type	Correction
Section:	33 11 01 - Waterworks	Reference:	1.8.13
Change Summary	Incorrect reference due to missing section.		
Currently	.13 Payment for tie-ins to existing mains where all pipework is to be undertaken by the Contractor will be as 1.8.13 of this Section, including all pipes, fittings and necessary tie-in work to complete tie-in as shown on Contract Drawings.		
Should Be	.13S Payment for tie-ins to existing mains where all pipework is to be undertaken by the Contractor will be as 1.8.12 of this Section, including all pipes, fittings and necessary tie-in work to complete tie-in as shown on Contract Drawings.		

Supplementary Specification:	33 30 01 - 1.6.5S - 2009-005 (2009-11-19)		
Affected Document(s)	Volume II	Change Type	Correction
Section:	33 30 01 - Sanitary Sewers	Reference:	1.6.5
Change Summary	Incorrect nomenclature.		
Currently	Payment for concrete bedding or controlled density fill, where shown on Contract Drawings, will be made as extra-over payment to storm sewer under 1.6.4 of this Section. No payment will be made for concrete bedding or controlled density fill required as a result of unauthorized excavation beyond neat lines or limits of excavation shown on Contract Drawings or Standard Detail Drawing G4 .		
Should Be	Payment for concrete bedding or controlled density fill, where shown on Contract Drawings, will be made as extra-over payment to sanitary sewer under 1.6.4 of this Section. No payment will be made for concrete bedding or controlled density fill required as a result of unauthorized excavation beyond neat lines or limits of excavation shown on Contract Drawings or Standard Detail Drawing G4 .		
Supplementary Specification:	33 30 01 - 2.1.3.4S - 2009-009 (2009-11-19)		
Affected Document(s)	Volume II	Change Type	Correction
Section:	33 30 01 - Sanitary Sewers	Reference:	2.1.3.4
Change Summary	Incorrect nomenclature.		
Currently	Life insert opening not required to be grouted provided it does not extend beyond the depth of the engineered design.		
Should Be	Lift insert opening not required to be grouted provided it does not extend beyond the depth of the engineered design.		

Supplementary Specification:	33 34 01 - 3.15.2S - 2009-006 (2009-11-19)		
Affected Document(s)	Volume II	Change Type	Correction
Section:	33 34 01 - Sewage Forcemains	Reference:	3.15.2
Change Summary	Incorrect nomenclature.		
Currently	<p>Before pipe is filled with water, pipe bedding, concreting of all valves and fittings and backfilling to be completed as required in this specification. Each section of pipe to be filled and allowed to remain full of water for a period of at least 24 hours prior to commencement of any pressure tests. Pipeline to be submitted to a test of 1.5 x working pressure applied at highest elevation in each section. At no time shall test pressure exceed pipe or thrust restraint design pressures. Maximum allowable leakage rate at test pressure to not exceed 1.25 litres per millimetre diameter of pipe per kilometre per 24 hour period. Minimum duration of test period to be 2 hours.</p>		
Should Be	<p>Before pipe is filled with water, pipe bedding, concreting of all valves and fittings and backfilling to be completed as required in this specification. Each section of pipe to be filled and allowed to remain full of water for a period of at least 24 hours prior to commencement of any pressure tests. Pipeline to be submitted to a test of 1.5 x working pressure applied at highest elevation in each section. At no time shall test pressure exceed pipe or thrust restraint design pressures. Maximum allowable leakage rate at test pressure to not exceed 1.25 litres per millimetre diameter of pipe per kilometre per 24 hour period. Minimum duration of test period to be 2 hours.</p>		