

Disclaimer

The members of the MMCD Association have taken care in preparing these documents, but neither the members nor the MMCD Association accepts any liability for any loss or damage which may be suffered by any person or corporation as a result of the use of the documents. These documents are made available without representation by the MMCD Association or its members as to the appropriateness of their use in any particular situation and issued on the strict understanding that each user accepts full responsibility for their use.

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

While the Supplementary Specifications, General Conditions, and Drawings are released as a set, this is done more out of convenience and to reduce administrative overhead. 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 2011-08-04" 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 2.2.4(i)S - 2011-013 (2011-08-04)" would represent the change to GC 2.2.4(i) included in this document.

Supplementary Specification:	31 05 17 – 2.7.1S – 2011-001 (2011-08-04)																																						
Affected Document(s)	Volume II	Change Type	Addition																																				
Section:	31 05 17	Reference:	2.7.1																																				
Change Summary	Designation for 38.0mm crushed or graded gravel added & Type 3 column with appropriate specifications defined.																																						
Currently	<p data-bbox="451 640 1154 674">2.7 Granular Pipe Bedding and Surround Material</p> <p data-bbox="581 724 1357 758">.1 Crushed or graded gravels: to conform to following gradations:</p> <hr data-bbox="451 772 1084 781"/> <table border="1" data-bbox="451 814 1084 1585"> <thead> <tr> <th colspan="3" data-bbox="784 814 995 848">Percent Passing</th> </tr> <tr> <th data-bbox="480 877 638 961">Sieve Designation</th> <th data-bbox="727 905 829 938">Type 1*</th> <th data-bbox="935 905 1037 938">Type 2*</th> </tr> </thead> <tbody> <tr> <td data-bbox="532 989 638 1022">25.0 mm</td> <td data-bbox="808 989 862 1022">100</td> <td data-bbox="1032 989 1086 1022">100</td> </tr> <tr> <td data-bbox="532 1052 638 1085">19.0 mm</td> <td data-bbox="727 1052 862 1085">90 - 100</td> <td data-bbox="935 1052 1086 1085">90 - 100</td> </tr> <tr> <td data-bbox="532 1115 638 1148">12.5 mm</td> <td data-bbox="727 1115 862 1148">65 - 85</td> <td data-bbox="935 1115 1086 1148">70 - 100</td> </tr> <tr> <td data-bbox="548 1178 638 1211">9.5 mm</td> <td data-bbox="727 1178 862 1211">50 - 75</td> <td></td> </tr> <tr> <td data-bbox="532 1241 638 1274">4.75 mm</td> <td data-bbox="727 1241 862 1274">25 - 50</td> <td data-bbox="935 1241 1086 1274">40 - 70</td> </tr> <tr> <td data-bbox="532 1304 638 1337">2.36 mm</td> <td data-bbox="727 1304 862 1337">10 - 35</td> <td data-bbox="935 1304 1086 1337">25 - 52</td> </tr> <tr> <td data-bbox="532 1367 638 1400">1.18 mm</td> <td data-bbox="727 1367 862 1400">6 - 26</td> <td data-bbox="935 1367 1086 1400">15 - 38</td> </tr> <tr> <td data-bbox="516 1430 638 1463">0.600 mm</td> <td data-bbox="727 1430 862 1463">3 - 17</td> <td data-bbox="935 1430 1086 1463">6 - 27</td> </tr> <tr> <td data-bbox="516 1493 638 1526">0.300 mm</td> <td></td> <td data-bbox="935 1493 1086 1526">3 - 20</td> </tr> <tr> <td data-bbox="516 1556 638 1589">0.075 mm</td> <td data-bbox="727 1556 862 1589">0 - 5</td> <td data-bbox="935 1556 1086 1589">0 - 8</td> </tr> </tbody> </table> <p data-bbox="459 1606 829 1640">*Type 1: <i>standard gradation</i></p> <p data-bbox="459 1650 1068 1755">*Type 2: <i>to be used only in dry trench conditions and with Contract Administrator's prior approval</i></p> <hr data-bbox="451 1759 1084 1768"/> <p data-bbox="570 1787 1495 1881">Recycled concrete free from contaminated and other extraneous material, conforming to the Type 1 gradations, may be used as pipe bedding and surround material.</p>			Percent Passing			Sieve Designation	Type 1*	Type 2*	25.0 mm	100	100	19.0 mm	90 - 100	90 - 100	12.5 mm	65 - 85	70 - 100	9.5 mm	50 - 75		4.75 mm	25 - 50	40 - 70	2.36 mm	10 - 35	25 - 52	1.18 mm	6 - 26	15 - 38	0.600 mm	3 - 17	6 - 27	0.300 mm		3 - 20	0.075 mm	0 - 5	0 - 8
Percent Passing																																							
Sieve Designation	Type 1*	Type 2*																																					
25.0 mm	100	100																																					
19.0 mm	90 - 100	90 - 100																																					
12.5 mm	65 - 85	70 - 100																																					
9.5 mm	50 - 75																																						
4.75 mm	25 - 50	40 - 70																																					
2.36 mm	10 - 35	25 - 52																																					
1.18 mm	6 - 26	15 - 38																																					
0.600 mm	3 - 17	6 - 27																																					
0.300 mm		3 - 20																																					
0.075 mm	0 - 5	0 - 8																																					

Should Be	<p>2.7 Granular Pipe Bedding and Surround Material</p> <p>.1 Crushed or graded gravels: to conform to following gradations:</p> <hr/> <p style="text-align: center;">Percent Passing</p> <hr/> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Sieve Designation</th> <th style="text-align: center;">Type 1*</th> <th style="text-align: center;">Type 2*</th> <th style="text-align: center;">Type 3*</th> </tr> </thead> <tbody> <tr> <td>50.0 mm</td> <td style="text-align: center;">100</td> <td style="text-align: center;">100</td> <td style="text-align: center;">100 - 100</td> </tr> <tr> <td>38.0 mm</td> <td style="text-align: center;">100</td> <td style="text-align: center;">100</td> <td style="text-align: center;">90 - 100</td> </tr> <tr> <td>25.0 mm</td> <td style="text-align: center;">100</td> <td style="text-align: center;">100</td> <td style="text-align: center;">20 - 60</td> </tr> <tr> <td>19.0 mm</td> <td style="text-align: center;">90 - 100</td> <td style="text-align: center;">90 - 100</td> <td style="text-align: center;">0 - 15</td> </tr> <tr> <td>12.5 mm</td> <td style="text-align: center;">65 - 85</td> <td style="text-align: center;">70 - 100</td> <td></td> </tr> <tr> <td>9.5 mm</td> <td style="text-align: center;">50 - 75</td> <td></td> <td style="text-align: center;">0 - 5</td> </tr> <tr> <td>4.75 mm</td> <td style="text-align: center;">25 - 50</td> <td style="text-align: center;">40 - 70</td> <td></td> </tr> <tr> <td>2.36 mm</td> <td style="text-align: center;">10 - 35</td> <td style="text-align: center;">25 - 52</td> <td></td> </tr> <tr> <td>1.18 mm</td> <td style="text-align: center;">6 - 26</td> <td style="text-align: center;">15 - 38</td> <td></td> </tr> <tr> <td>0.600 mm</td> <td style="text-align: center;">3 - 17</td> <td style="text-align: center;">6 - 27</td> <td></td> </tr> <tr> <td>0.300 mm</td> <td></td> <td style="text-align: center;">3 - 20</td> <td></td> </tr> <tr> <td>0.075 mm</td> <td style="text-align: center;">0 - 5</td> <td style="text-align: center;">0 - 8</td> <td></td> </tr> </tbody> </table> <hr/> <p>*Type 1: <i>standard gradation</i></p> <p>*Type 2: <i>to be used only in dry trench conditions and with Contract Administrator's prior approval</i></p> <p>*Type 3: <i>minimum 40% Porosity</i></p> <hr/> <p>Recycled concrete free from contaminated and other extraneous material, conforming to the Type 1 gradations, may be used as pipe bedding and surround material.</p>	Sieve Designation	Type 1*	Type 2*	Type 3*	50.0 mm	100	100	100 - 100	38.0 mm	100	100	90 - 100	25.0 mm	100	100	20 - 60	19.0 mm	90 - 100	90 - 100	0 - 15	12.5 mm	65 - 85	70 - 100		9.5 mm	50 - 75		0 - 5	4.75 mm	25 - 50	40 - 70		2.36 mm	10 - 35	25 - 52		1.18 mm	6 - 26	15 - 38		0.600 mm	3 - 17	6 - 27		0.300 mm		3 - 20		0.075 mm	0 - 5	0 - 8	
Sieve Designation	Type 1*	Type 2*	Type 3*																																																		
50.0 mm	100	100	100 - 100																																																		
38.0 mm	100	100	90 - 100																																																		
25.0 mm	100	100	20 - 60																																																		
19.0 mm	90 - 100	90 - 100	0 - 15																																																		
12.5 mm	65 - 85	70 - 100																																																			
9.5 mm	50 - 75		0 - 5																																																		
4.75 mm	25 - 50	40 - 70																																																			
2.36 mm	10 - 35	25 - 52																																																			
1.18 mm	6 - 26	15 - 38																																																			
0.600 mm	3 - 17	6 - 27																																																			
0.300 mm		3 - 20																																																			
0.075 mm	0 - 5	0 - 8																																																			

Supplementary Specification:	32 91 19 – 3.5.4S – 2011-002 (2011-08-04)		
Affected Document(s)	Volume II	Change Type	Correction
Section:	32 91 19	Reference:	3.5.4
Change Summary	Unclear wording		
Currently	If required, add legume seed to grass mixture at time of seeding. Inoculate legume seed with standard product humus culture before mixing with grass seed. Protect inoculated seed from exposure to sunlight for periods of over one-half hour. Use seed within eight hours from inoculation or to be reinoculated.		
Should Be	If required, add legume seed to grass mixture at time of seeding. Inoculate legume seed with standard product humus culture before mixing with grass seed. Protect inoculated seed from exposure to sunlight for periods of over one-half hour. Use seed within eight hours from inoculation; otherwise, seed to be reinoculated.		
Supplementary Specification:	32 92 19 – 3.3.1S – 2011-004 (2011-08-04)		
Affected Document(s)	Volume II	Change Type	Correction
Section:	32.92.19	Reference:	3.3.1
Change Summary	Platinum		
Currently	All hydraulic seeding/mulching equipment to equipment and not to be removed or altered.		
Should Be	All hydraulic seeding/mulching equipment adjustment to reflect Rates of Application determined for the project.		

Supplementary Specification:	32 92 20 – 3.3.5S – 2011-004 (2011-08-04)		
Affected Document(s)	Volume II	Change Type	Correction
Section:	32 92 20	Reference:	3.3.5
Change Summary	Clarification of wording in specification		
Currently	Apply mulch with seed or immediately following seeding with approved mulcher. No area to be seeded in excess of that which can be mulched on same day.		
Should Be	Apply mulch with seed; or apply mulch immediately after seeding. Do not seed areas which cannot be mulched the same day.		
Supplementary Specification:	32 93 01 – 3.11.2S – 2011-005 (2011-08-04)		
Affected Document(s)	Volume II	Change Type	Replacement
Section:	32 93 01	Reference:	3.11.2
Change Summary	Replacement of the term “Guarantee Period” with “Maintenance Period”		
Currently	.2 Guarantee includes replacing all plants determined by Contract Administrator to be dead or failing at end of guarantee period . Replacements to be made at next appropriate season, and conditions of guarantee will apply to all replacement plants for one full growing season.		
Should Be	.2 Guarantee includes replacing all plants determined by Contract Administrator to be dead or failing at end of Maintenance Period . Replacements to be made at next appropriate season, and conditions of guarantee will apply to all replacement plants for one full growing season.		

Supplementary Specification:	32 93 01 – 3.11.3S – 2011-006 (2011-08-04)		
Affected Document(s)	Volume II	Change Type	Replacement
Section:	32 93 01	Reference:	3.11.3
Change Summary	Replacement of the term “Guarantee Period” with “Maintenance Period”		
Currently	.3 Contract Administrator reserves the right to extend Contractor’s guarantee responsibilities for an additional one year if, at the end of initial guarantee period , leaf development growth is not sufficient to ensure future survival.		
Should Be	.3 Contract Administrator reserves the right to extend Contractor’s guarantee responsibilities for an additional one year if, at the end of initial Maintenance Period , leaf development growth is not sufficient to ensure future survival.		
Supplementary Specification:	32 92 20 – 3.8.1S – 2011-007 (2011-08-04)		
Affected Document(s)	Volume II	Change Type	Replacement
Section:	32 92 20	Reference:	3.8.1
Change Summary	Replacement of the term “Guarantee Period” with “Maintenance Period”		
Currently	.1 Customary one year guarantee period for construction industry will apply as standard for landscape work. Contractor to guarantee all materials and workmanship for a period of one full year from date of Total Performance, unless specified otherwise in Contract Documents.		
Should Be	.1 Customary one year Maintenance Period for construction industry will apply as standard for landscape work. Contractor to guarantee all materials and workmanship for a period of one full year from date of Total Performance, unless specified otherwise in Contract Documents.		

Supplementary Specification:	32 92 20 – 3.8.2S – 2011-008 (2011-08-04)		
Affected Document(s)	Volume II	Change Type	Replacement
Section:	32 92 20	Reference:	3.8.2
Change Summary	Replacement of the term “Guarantee Period” with “Maintenance Period”		
Currently	.2 Guarantee includes replacing all seeded areas determined by Contract Administrator to be dead or failing at end of guarantee period . Replacements to be made at next appropriate season, and conditions of guarantee will apply to all replacement seeding for one full growth season.		
Should Be	.2 Guarantee includes replacing all seeded areas determined by Contract Administrator to be dead or failing at end of Maintenance Period . Replacements to be made at next appropriate season, and conditions of guarantee will apply to all replacement seeding for one full growth season.		
Supplementary Specification:	GC 7.1.3S - 2011-009 (2011-08-04)		
Affected Document(s)	Volume II	Change Type	Correction
Section:	GC 7.1	Reference:	7.1.3
Change Summary	Platinum		
Currently	7.1.3 Additional work that the <i>Owner</i> may wish performed that does not satisfy the requirements of subparagraphs (a) and (c) of GC 7.1.1 is extra Work (“ <i>Extra Work</i> ”) and not a <i>Change</i> . Pursuant to GC 8, <i>Extra Work</i> may be declined by the <i>Contractor</i> or may, upon agreement between the parties, be undertaken as <i>Extra Work</i> .		
Should Be	7.1.3 Additional work that the <i>Owner</i> may wish performed that does not satisfy the requirements of subparagraphs (a) and (c) of GC 7.1.1 is extra Work (“ <i>Extra Work</i> ”) and not a <i>Change</i> . Pursuant to GC 8, <i>Extra Work</i> may be declined by the <i>Contractor</i> or may, upon agreement between the parties, be undertaken as <i>Extra Work</i> .		

Supplementary Specification:	GC 1.30S - 2011-010 (2011-08-04)		
Affected Document(s)	Volume II	Change Type	Deletion
Section:	GC 1.30	Reference:	1.30.1
Change Summary	Removal of 1.30.1 reference to definition of <i>Deleted Items</i> . GC 9.4.6 does not contain a meaning for <i>Deleted Items</i> .		
Currently	1.30.1 " Deleted Items " has the meaning set out in GC 9.4.6.		
Should Be	(section reference to <i>Deleted Items</i> removed)		
Supplementary Specification:	IT 17.1S - 2011-011 (2011-08-04)		
Affected Document(s)	Volume II	Change Type	Correction
Section:	IT 17.1	Reference:	Instructions to Tenderers - Part II
Change Summary	Correction in reference to Optional Work definition		
Currently	<p>17.0 Optional Work</p> <p>17.1 If the <i>Schedule of Quantities and Prices</i> includes any tender prices for <i>Optional Work</i>, as defined in GC 1.41, then tenderers must complete all the unit prices for such <i>Optional Work</i>. Such tender prices shall not include any general overhead costs, or other costs, or profit, not directly related to the <i>Optional Work</i>. Tenderers are directed to GC 9.4.2.</p>		
Should Be	<p>17.0 Optional Work</p> <p>17.1 If the <i>Schedule of Quantities and Prices</i> includes any tender prices for <i>Optional Work</i>, as defined in GC 1.48, then tenderers must complete all the unit prices for such <i>Optional Work</i>. Such tender prices shall not include any general overhead costs, or other costs, or profit, not directly related to the <i>Optional Work</i>. Tenderers are directed to GC 9.4.2.</p>		

Supplementary Specification:	IT 4S - 2011-012 (2011-08-04)		
Affected Document(s)	Volume II	Change Type	Correction
Section:	IT 4	Reference:	Instructions to Tenderers - Part I
Change Summary	Change of section title		
Currently	4.0 Additional Instructions to Tenderers		
Should Be	4.0 Supplemental Instructions to Tenderers		
Supplementary Specification:	Section 3 6.5.1S - 2011-013 (2011-08-04)		
Affected Document(s)	Volume I (User Guide)	Change Type	Correction
Section:	Section 3	Reference:	6.5.1
Change Summary	Removal of reference to omitted examples		
Currently	The following eight examples show how the Quantity Variation Clause can be used to both parties benefit. The first three examples deal with simple quantity variations on items which were not entirely deleted. The next five examples demonstrate the calculations when entire items are deleted and may or may not have offsetting additions.		
Should Be	The following examples show how the Quantity Variation Clause can be used to benefit both parties. The examples deal with simple quantity variations on items which were not entirely deleted.		
Supplementary Specification:	Section 3 6.5.1S [Electronic Edition]- 2011-014 (2011-08-04)		
Affected Document(s)	Volume I (User Guide) [Electronic Edition]	Change Type	Deletion
Section:	Section 3	Reference:	6.5.1
Change Summary	Removal of examples omitted from print version Section 3 6.5.5 to 6.5.9		

Supplementary Specification:	Section 3 9.7.1S - 2011-015 (2011-08-04)		
Affected Document(s)	Volume I (User Guide)	Change Type	Addition
Section:	Section 3	Reference:	9.7.1
Change Summary	Addition of the words "application for a".		
Currently	A certificate of Substantial or Total Performance must come from the Contractor. It cannot be issued unilaterally by the Owner (see 3.2 above). Not only is this a legal restriction, it makes sense because the MMCD provides that the application for the certificate acts as a waiver of all undelivered claims by the Contractor (GC 18.9.1). Claims which have been delivered to the CA but are as then unresolved remain "on the table", but no additional claims can be added.		
Should Be	An application for a Certificate of Substantial or Total Performance must come from the Contractor. It cannot be issued unilaterally by the Owner (see 3.2 above). Not only is this a legal restriction, it makes sense because the MMCD provides that the application for the certificate acts as a waiver of all undelivered claims by the Contractor (GC 18.9.1). Claims which have been delivered to the CA but are as then unresolved remain "on the table", but no additional claims can be added.		
Supplementary Specification:	Section 4 6.8.1S - 2011-016 (2011-08-04)		
Affected Document(s)	Volume I (User Guide)	Change Type	Correction
Section:	Section 4	Reference:	6.8.1
Change Summary	Relocation of Section 4 - 6.5.3.2 to 6.8.1 with current 6.8.1 and 6.8.2 being renumbered to follow suit.		
Currently	<p>6.5.3</p> <p>.2 If the unsatisfactory work is not rectified in a timely manner, then a Field Memo should be issued by Site Inspector noting the following:</p> <ul style="list-style-type: none"> .1 The location and type of defect discovered .2 The section of the specification or Contract Document which is contravened .3 A request for a timetable of when the work will be corrected. 		

<p>Should Be</p>	<p>6.8 Enforcing Quality Compliance</p> <p>.1 If the unsatisfactory work is not rectified in a timely manner, then a Field Memo should be issued by Site Inspector noting the following:</p> <ul style="list-style-type: none"> .1 The location and type of defect discovered .2 The section of the specification or Contract Document which is contravened .3 A request for a timetable of when the work will be corrected. <p>.2 If this does not achieve the satisfactory solution, then the CA can prepare a Notice of Default (GC 15.2.1) <i>for the Owner's consideration and signature</i> which includes the following:</p> <ul style="list-style-type: none"> .1 Reference to the initial Field Memo and verbal instructions .2 Notification of lack of satisfactory response .3 Reference to GC 15.2 giving the Contractor the stated time to rectify the defect together with the consequence of not doing so as provided in GC 15.2.3 <p>Caution: This letter is a serious step and is not one to be taken lightly or sent for frivolous reasons. The defects should be sufficiently serious and there should be a history of intransigence by the Contractor against rectifying the defects. This letter should not be sent over the CA's signature – it should come from the Owner with a copy sent to the bonding company.</p> <p>.3 If a satisfactory response is not forthcoming, the Owner has several options under GC 15.2. However, it should be borne in mind that termination of Contract may invalidate the Performance Bond and Labour and Materials Bond so termination action should not be initiated without first seeking legal and bonding expert advice.</p> <p>Caution: If there is valid concern for public safety, the Owner may have to get the work done by others and back-charge the Contractor (GC 18.1.2).</p>
------------------	---

Supplementary Specification:	33 11 01 – 2.2.2.2S - 2011-017 (2011-08-04)		
Affected Document(s)	Volume II	Change Type	Correction
Section:	33 11 01	Reference:	2.2.2.2
Change Summary	Clarification of 2.2.2.2 to ensure PVC C900 conforms to appropriate MMCD standards.		
Currently	.2 Joints: Push-on integrally thickened bell and spigot type to ASTM D3139 with single elastomeric gasket to ASTM F477.		
Should Be	.2 Joints: It is mandatory that the push-on integrally thickened bell and spigot type conform to ASTM D3139 Clause 6.2 with single elastomeric gasket to ASTM F477.		