

## Project Information

## Inspection and Test Plan Information

Project	Magate - Cox Street (DIA 6) - Drainage Upgrade Stage 2	Lot Number					Date	Start	Finish
Project No	25 006	Location					Chainage		
Client	Moreton Bay Regional Council							From	To
Contract No	VP437279	Description							
Specification	NAT-SPEC / MRTS	Activity	In-situ Concrete						

## Acceptance of Activity

#	Acceptance Criteria	Reference	Item Check	QA	Client	Date	NCR
1	<b>Mix Designs</b> No concrete shall be placed in the Works until approval of the mix design has been obtained from the Administrator.	MRTS70 Clause 15.1	<b>HOLD POINT</b>				
2	<b>Trial Mix</b> When requested by the Administrator, and where extensive performance data is not available, mix design acceptance will be on the basis of trial mixes.	MRTS70 Clause 15.1.1	<b>WITNESS POINT</b>				
3	<b>Transport and Delivery</b> Concrete shall be placed and compacted within the times from the discharging of the batch plant as per the below: < 32 °C = 60 minutes 32 – 35 °C = 45 minutes > 35 °C = Reject load These times may be extended at the Administrator's discretion.	MRTS70 Clause 10.4	Check and Verify		N/A		
4	<b>Long Distance Procedure</b> Where travel or placement times are, by necessity, longer than those listed in Clause 10.4, a procedure for long-distance travel or extended placement times shall be submitted to the Administrator for approval 6 weeks before concreting begins.	MRTS70 Clause 10.4	<b>MILESTONE</b>				
5	<b>Slump Test</b> The plastic material properties (slump) shall lie within the range established using the approved nominated value and the tolerances specified below: ≥ 60, ≤ 80 = ± 15 > 80, ≤ 110 = ± 20	MRTS70 Clause 11	Check and Verify		N/A		
6	<b>Testing Samples</b> Samples for compression strength testing, shall be taken from separate batches of concrete during the placing operation. 1 - 3 Batches = Every Batch 4 - 10 Batches = 4 Samples 11-23 Batches = 5 Samples >23 Batches = n/4	MRTS70 Clause 15.2.1	Check and Verify		N/A		
7	<b>Temperature</b> No concrete shall be placed in the works if the temperature of the concrete is less than 10 °C or exceeds 35 °C	MRTS70 Clause 13.1	Check and Verify		N/A		
8	<b>Hot Weather Procedure</b> If the ambient air temperature measured at the point of placement is likely to exceed 35 °C, the Contractor shall take practical precautions, approved by the Administrator, to ensure that the temperature of the concrete does not exceed the permitted maximum. These precautions shall be submitted as a procedure for hot weather concreting at least two weeks prior to the first concrete pour.	MRTS70 Clause 13.1	<b>MILESTONE</b>				

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9	<b>Rain Event</b> Concrete shall not be poured in the rain or if rain is imminent unless adequate measures are taken to protect the plastic concrete from the falling rain.	MRTS70 Clause 13.3	Check and Verify				
10	<b>Early Stripping/Loading</b> Any proposal by the Contractor for early removal of forms or for early application of significant loads to the structure shall be submitted in writing to the Administrator prior to placing concrete.	MRTS70 Clause 15.2.3	Check and Verify		N/A		
11	<b>Formwork</b> All formwork shall be subject to inspection and approval by the Administrator.	MRTS70 Clause 15.4.1	<b>HOLD POINT</b>				
12	<b>Construction Joints</b> Construction joints shown in the Drawings are mandatory. The use of construction joints elsewhere in the concrete work shall require the prior approval of the Designer.	MRTS70 Clause 15.13	<b>HOLD POINT</b>				
13	<b>Supports</b> Bar chairs and/or spacers shall be placed sufficiently close together to ensure that the specified cover is maintained before and during concrete placement and to prevent any potential crushing of the spacers or penetration into the formwork.	MRTS70 Clause 15.4.2	Check and Verify		N/A		
14	<b>Foundations</b> Where reinforced concrete is placed on earth, sand or rock foundations, the earth or sand shall be compacted to 95% Relative Compaction as determined by Test Method Q140A and the rock freed of loose material.	MRTS70 Clause 15.6.1	Check and Verify		N/A		
15	<b>Separator</b> Where concrete work is constructed on ground surfaces or on a foundation bedding, a polythene sheet separator of thickness not less than 100 µm shall be employed between the ground/bedding and the concrete. The separator shall extend not less than 300 mm beyond the concrete work.	MRTS70 Clause 15.6.1	Check and Verify		N/A		
16	<b>Monitoring Procedure</b> The Contractor shall submit a procedure and plan for monitoring and procedures for ensuring compliance to the Administrator for approval at least four weeks prior to the concrete pour.	MRTS70 Clause 15.5	<b>MILESTONE</b>				
17	<b>Curing Procedure</b> The Contractor shall submit a procedure for curing, including methods and materials, to the Administrator for approval at least two weeks prior to the first concrete pour.	MRTS70 Clause 15.11.1	<b>MILESTONE</b>				
18	<b>Procedures</b> Concrete operations shall not commence until all relevant procedures have been approved by the Administrator.	MRTS70 Clause 15.6	<b>HOLD POINT</b>				
19	<b>Placing and Compaction</b> No concrete shall be placed in the Works until: a) the formwork and reinforcement have been inspected b) all foreign material has been completely removed from the forms c) the mixing, batching, and compaction equipment have been approved by the Administrator.	MRTS70 Clause 15.6.1	<b>HOLD POINT</b>				
20	<b>Placing Operation</b> The placing operation shall be conducted in the presence of the Administrator and the Contractor shall give at least 24 hours notice to the Administrator of the time that placing shall start.	MRTS70 Clause 15.6.1	<b>WITNESS POINT</b>				

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21	<b>Compaction</b> Unless otherwise approved by the Administrator, or for concrete to be placed under water and for no-fines concrete, concrete shall be deposited in horizontal layers not more than 400 mm thick. Compaction of concrete shall commence immediately after deposition using high frequency vibrators.	MRTS70 Clause 15.6.2	Check and Verify		N/A		
22	<b>Removal of Formwork</b> Forms, falsework and centring shall remain in position until the times stated below have elapsed after completion of concreting: Class A = 48 Hours Class B1, B2 = 72 Hours Class C1, C2 = 120 Hours	MRTS70 Clause 15.8	<b>HOLD POINT</b>				
23	<b>Removal of Formwork</b> Forms shall be removed with care, without hammering and wedging, and in a manner which shall not injure the concrete or disturb the remaining supports.	MRTS70 Clause 15.8	<b>WITNESS POINT</b>				
24	<b>Early Loading</b> Concrete shall not be loaded until three days has elapsed from the placement of a concrete slab on ground, and 70% of the specified characteristic strength has been obtained. Loads placed on or against any concrete shall be subject to approval by the Administrator.	MRTS70 Clause 15.9	Check and Verify		N/A		
25	<b>Curing</b> The curing of unformed surfaces of concrete shall commence as soon as the concrete surface has hardened. Curing shall continue for a minimum period of seven days. If forms are removed in less than seven days, curing of the formed surface shall commence within one hour of stripping, unless otherwise specified in Clause 15.12	MRTS70 Clause 15.11.1	Check and Verify		N/A		

## Final Sign off and Approval - Conformance with the Specification

Name of Client's Representative	Signature	Date

Name of Contractor's Representative	Signature	Date