


		Steve Irwin Way Stage 2			Doval Project No. A24 017 Client Project No. CN18341		Inspection & Test Plan Prepared By: Jan van Wyk Approved By: Dan Marks Date Approved: 28/05/2024		
		Lot Number  CNC	Description  Example ITP Entry				Date Opened	70.01 MRTS70 Special Class Concrete	
							Date Started		
							Date Finished		
Location		Steve Irwin Way		Control Line	Chainage	-			
No.	Activity Description	Acceptance Criteria & Frequency (Project Specific)		Check Item Reference	Inspection SS/QA		Client/Rep	NCR	Related Lot #
1	The Contractor shall nominate the special class concrete mix to be used in the Works not less than four weeks prior to the commencement of concreting operations.	Visual		Milestone  MRTS70 CI 9.2					
2	Procedure for hot weather concreting submitted 2 weeks prior to first concrete pour.	Visual		Milestone  MRTS70 CI 13.1					
3	Procedure for curing submitted 2 weeks prior to first concrete pour.	Visual		Milestone  MRTS70 CI 15.11.1					





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7	Concrete placed within 1 hour (conc. Temp<=32 degrees) or 45 mins (32>conc. temp < 35 degrees) from the time of charging the mixer unless a retardant is used and approved by the Administrator. No concrete may be placed the temperature of the concrete is less than 10°C or exceeds 35°C	10< Temp <35 Continuous	Check Item  MRTS70 CI 13.1							
8	Falsework details provided to Administrator at least 4 weeks prior to erection.	Visual	Milestone  MRTS70 CI 15.3							
9	Design and erection of falsework, its founding, support and time, order and manner of release approved by the Administrator.	Visual	Hold Point 2  MRTS70 CI 15.3							
10	No concrete placed until falsework, formwork, reinforcement and stressing materials inspected by administrator, foreign material removed from forms and equipment and placement procedures approved.	Visual	Hold Point 3  MRTS70 CI 15.4.1							


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11	Concrete operations shall not commence until all relevant procedures, listed in Table 5.2 have been approved by the Administrator.		Visual	Hold Point 4						
12	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.		Visual	Hold Point 5						
13	Administrator to be present for placement of concrete, given 24 hours notice.		Visual	Witness Point						
14	Concrete slump is within tolerance (AS 1379 table 6) of approved target slump.		Slump Test:      Spread Test: <60 - ±10      500 - 600(HWC) ±80 60<80 - ±15      650 - 700(HWC) ±50 80<110 - ±20 110<150 - ±30 150< 200 - ±40 Every Load	Check Item						

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15	Samples for testing taken as required in accordance with claus 12. - min 2 cylinders/sample	1-3 Loads - Every Load 4-10 Loads - 4 Samples 11-23 Loads - 5 Samples >24 Loads - n/4	Test Results  MRTS70 CI 15.2			
16	Compaction of concrete commences immediately after deposition in accordance with approved procedures and equipment - The number of vibrators to be used by the Contractor shall be not less than one for each 10 m <sup>3</sup> of concrete placed per hour	Visual	Check Item  MRTS70 CI 16.5.2			
17	Fresh concrete shall not be placed against concrete which has taken its initial set.If an interruption greater than 45 minutes occurs, a construction joint approved by the Administrator shall be placed.	Visual	Check Item  MRTS70 CI.16.5.1			

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18	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		Visual	Hold Point 7						
				MRTS70 CI 15.13						
19	Forms, falsework and centring shall remain in position until the times stated in CI15.8 and table 15.8 have elapsed after completion of concreting		Visual	Hold Point 6						
				MRTS70 CI 15.8						

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20	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. Centres shall be lowered gradually and uniformly in such a manner as to avoid injurious stress in any part of the structure		Visual	Witness Point					
21	Following removal of forms * Fins and unwanted projections are ground off * Pockets and honeycombed areas repaired using approved methods * Where required in the drawings surfaces achieve class 1 finish or are bagged within 4 hours of stripping, then cured		Visual	Check Item					
				Check Item					

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22	Positional tolerances, listed in Table 15.7.3, refer to the departure of any point, plane or component of a structure from its correct position within the layout of the structure as shown in the Drawings.		Visual <Specified MRTS70 CI15.7.3	MRTS70 CI 15.7.3					
23	Acceptance or Rejection of Hardened Concrete		a) < 0.9 Fc (Any sample) b) < Fc (Ave 3 consecutive samples from Lot) c) > 1.4 Fc (Ave 3 consecutive samples from Lot) In addition d) < 0.5 (Fc+Ft) (10 or more samples for Class of concrete in 4 consecutive weeks)	Test Results  MRTS70 CI 12.5					



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