

ITP K08: Raised platform ramps, Detail A (40 MPa reinforced concrete)

Jervois Street Road Reconstruction, contract CWT202500518. Inspection and test plan, working form.

Project	Jervois Street Road Reconstruction, CWT202500518 (Henley Beach Road raised platform)
ITP number and revision	K08, revision E re-laid in working ITP form. Sample for review: not a stored or issued revision.
Work	Ramps R1 (MC00 CH 0 – 2.0) and R2 (CH 13.5 – 15.5) of the raised platform, built in north and south half-widths: sawcut and preparation of the existing pavement base, SL81 mesh central, supply, placement, finishing and curing of 40 MPa special class concrete, the half-width construction joint, traffic switch, conformance survey and lot close-out (WT110-01 Detail A).
Specifications	DIT ST-SC-S7 Supply of Concrete, ST-SC-C7 Placement of Concrete, ST-SC-S6 Steel Reinforcement, ST-SC-C6 Formwork; PC-QA1A Quality Management Requirements, PC-CN3 Construction Management, PC-SI1 Site Surveys; RD-PV-C1 (compaction testing, adopted) and RD-PV-S2 cl. 11 (traffic on stabilised base); Section D General Specification cl. 2.4 and 2.10. ST-SC-S1 cl. 1(c) sends 40 MPa concrete to ST-SC-S7 and ST-SC-C7.
Lot definition	One lot per ramp half per layer: a base lot (suffix B) and a concrete lot (suffix C); each half is one pour. Maximum lot one ramp half (R1 half 10.0 m², R2 half 5.5 m²), a nominated size because the specification prints none (PC-QA1A cl. 5.4.1). 8 lots: 2 ramps × 2 halves × 2 layers. Pours: south halves Fri 19 Feb 2027, north halves Tue 23 Mar 2027 (tender programme version 2).
Related ITPs	P01 Project management plans (Construction Documentation hold point); P06 Survey, set-out and as-constructed survey; V07 Raised platform bound base; V10 Segmental paving; K02 Spoon drain; K07 Tactile ground surface indicators; L06 Pavement marking; L07 Signage.
Method statement	Raised platform ramps, revision E; SWMS-22, revision E.

Legend

Code	Point	Abbreviation	Meaning
H	Specification hold point , labelled with the clause and the specification’s hold point table, because DIT identifies its points by clause rather than by number. Work does not proceed past it until the Principal (or a delegate) releases it (PC-QA1A cl. 6.1(c)). “Documentation” points have a review period, “construction quality” points a notification period.	PM	Project manager
W	Specification witness point . Work proceeds once the point is reached and either the Principal releases it or the specified period passes without release or comment (cl. 6.1(d)). Where no period is printed, construction quality points take 2 working days plus travel time (cl. 6.3.2(a)(ii)) and documentation points 10 Business Days (cl. 6.2.2(c)).	SS	Site supervisor
IH	Internal hold point : the contractor’s own, beyond the specification. Released by the project manager.	CQR	Quality manager, acting as Construction Quality Representative (PC-QA1A cl. 4.3)
R	Record : checked and recorded in the lot, no notice to the Principal. Includes checks that a point held on another ITP is released.	SUB	Subcontractor: concrete supplier, reinforcement supplier, steel fixer, pump hire, set-out surveyor, independent surveyor, NATA laboratory
	“If applicable” marks a point that applies only if that method is used. “Rev E” under the item number gives the revision E item this row carries; “new” marks a row revision E did not have.	Superintendent	Releases hold points and receives witness points, for the Principal (open item: releaser not yet named)
		BD	Business Days
		NCN, NCR	Non-Conformance Notice, Non-Conformance Report
		MDD	Maximum dry density

Scope boundaries

Work a reader might expect here	Carried on	Why it is outside this plan
The platform cement-treated base and sub-base	ITP V07 (items V07-08 to V07-13)	A separate layer and lot; this plan checks only that pour plant stays off it (item 4.3).
The platform segmental pavers	ITP V10 (items V10-09, V10-14)	Paving lots; this plan reads V10-14 before a traffic switch (item 8.2).
Spoon drain SD10 and the Henley Beach Road SD2 frontage	ITP K02	Separate kerbing lots; the water test of item 9.2 covers the ramp surface draining to them.
Tactile ground surface indicators	ITP K07	Installed in the pavers, not the ramps.
Ramp line marking and signs	ITP L06 and ITP L07	Applied after this plan’s lots close.
Survey equipment, the S300 survey mark, set-out and verification certificates	ITP P06 (items P06-03, P06-07, P06-12, P06-16)	Survey hold points sit on the survey plan; this plan checks their release (items 3.1, 3.2, 9.1).
Construction Documentation hold point for the K package	ITP P01 (item P01-11)	One release per package; checked here as a record (item 1.4).

Inspection and test plan

38 items in 9 stages; 15 points: 9 specification hold points, 4 specification witness points, 2 internal hold points (3 of the specification points apply only if that method is used). Scroll sideways on a narrow screen; prints on A3 landscape.

Item No.	Inspection / test point	Acceptance criteria	Specification / clause	Inspection / test method	Frequency	Responsibility	Equipment and calibration	Record															
1.0 Preliminaries and approvals																							
1.1 R new	Define lot	- Determine the lot extents and complete the lot sketch: ramp, half (north or south), layer, chainages and offsets. - All works are divided into Work Lots of discrete work; each lot is “a continuous portion of homogenous or representative material, Works activity or process, produced under essentially consistent conditions”. A visually non-homogeneous portion is excluded and treated as a separate lot. - Lot rule: one lot per ramp half per layer: a base lot (suffix B, prepared existing base) and a concrete lot (suffix C, reinforced concrete). Each half is one pour. - Maximum lot size: one ramp half (R1 half 10.0 m², R2 half 5.5 m²). The specification prints no maximum; this is a nominated size. - Work Lot Register records start and finish chainage and lateral location of each lot, and is updated and submitted monthly. Lots in this plan <table><tr><th>Lot</th><th>Extent</th><th>Layer</th></tr><tr><td>4.1-R1S-B / - C</td><td>Ramp R1 south half, MC00 CH 0–2.0, offset 0 to +6.08 m</td><td>Base / concrete</td></tr><tr><td>4.1-R1N-B / - C</td><td>Ramp R1 north half, MC00 CH 0–2.0, offset –5.47 to 0 m</td><td>Base / concrete</td></tr><tr><td>4.1-R2S-B / - C</td><td>Ramp R2 south half, MC00 CH 13.5–15.5, offset 0 to +2.83 m</td><td>Base / concrete</td></tr><tr><td>4.1-R2N-B / - C</td><td>Ramp R2 north half, MC00 CH 13.5–15.5, offset –2.83 to 0 m</td><td>Base / concrete</td></tr></table> 8 lots: 2 ramps × 2 halves × 2 layers. Offsets from the MC00 control line, south positive.	Lot	Extent	Layer	4.1-R1S-B / - C	Ramp R1 south half, MC00 CH 0–2.0, offset 0 to +6.08 m	Base / concrete	4.1-R1N-B / - C	Ramp R1 north half, MC00 CH 0–2.0, offset –5.47 to 0 m	Base / concrete	4.1-R2S-B / - C	Ramp R2 south half, MC00 CH 13.5–15.5, offset 0 to +2.83 m	Base / concrete	4.1-R2N-B / - C	Ramp R2 north half, MC00 CH 13.5–15.5, offset –2.83 to 0 m	Base / concrete	PC-QA1A cl. 5.4.1(a), (b), (c) (vi), (e) Table PC-QA1 10-2 (Work Lot Register, witness point, 10 BD review) WT110-01 Detail A	Lot sketch; Work Lot Register entry	Per lot; register monthly	CQR / PM	None	Lot sketch; Work Lot Register entry
Lot	Extent	Layer																					
4.1-R1S-B / - C	Ramp R1 south half, MC00 CH 0–2.0, offset 0 to +6.08 m	Base / concrete																					
4.1-R1N-B / - C	Ramp R1 north half, MC00 CH 0–2.0, offset –5.47 to 0 m	Base / concrete																					
4.1-R2S-B / - C	Ramp R2 south half, MC00 CH 13.5–15.5, offset 0 to +2.83 m	Base / concrete																					
4.1-R2N-B / - C	Ramp R2 north half, MC00 CH 13.5–15.5, offset –2.83 to 0 m	Base / concrete																					
1.2 R new	Drawings issued for construction	- WT110-01 (Detail A, raised platform ramp pavement) and WT110-05 (general construction, MC00 CH 0 – 80) used at their current issue; the IFC Design Documentation is part of the Construction Documentation. - Drawing note: “All dimensions to be checked on site. Discrepancies to be reported immediately to the Superintendent.” - Detail A: concrete 40 MPa, SL81 central; existing pavement base compacted to 95 % modified compaction; ramp 2.0 m long.	PC-CN3 cl. 3.1(a)(iv) WT110-01 general notes and Detail A Section D cl. 2.10.3	Document review	Per lot, and on each drawing revision	PM	None	Drawing register extract															
1.3 H rev E K08-01	SPECIFICATION HOLD POINT (PC-QA1A cl. 5.5(d); Section D cl. 2.4.1) Submission of this ITP	“The draft ITP must be submitted to the Principal for review which will constitute a Hold Point. Each ITP must not be used until this Hold Point is released.” Section D: “Provision of each ITP shall constitute a Hold Point.” - Released before the first operation it covers. - The ITP replicates the acceptance criteria and frequencies of the Contract Documents, and states equipment and calibration regime, responsibilities, hold and witness points, environmental conditions that affect results, and subcontractor involvement. - Review period 10 Business Days (Table PC-QA1 10-1). If not met: Where the Principal comments, revise and resubmit; the hold point applies again to the revised ITP. Work covered by this ITP does not start.	PC-QA1A cl. 5.5(b), (c), (d); cl. 6.2.1(a) Table PC-QA1 10-1 Section D cl. 2.4.1	Document review by the Superintendent	Once per revision	PM submits; Superintendent releases (hold point)	None	Transmittal; hold point release															
1.4 H rev E K08-02	SPECIFICATION HOLD POINT (PC-CN3 cl. 3.1(d), (e)), released on ITP P01 item P01-11 Construction Documentation for the K package	“Construction of any Construction Package must not commence until the Hold Point required by section 3.1d) has been released.” Checked here as a record that P01-11 is released and that the package contains: - Placing, compacting, finishing and curing procedures: rate of placement; personnel and competencies; plant and equipment including required standby equipment (ST-SC-C7 cl. 2.1(a)(i)–(iii)). - Measures to protect fresh concrete and prevent evaporative moisture loss during finishing; precautionary measures for placing between 0.5 and 1 kg/m²/h (cl. 2.1(c), (h), 3.6.2(c)).	PC-CN3 cl. 3.1(a), (d)–(f) ST-SC-C7 cl. 2.1 ST-SC-S7 cl. 2.1, 3.1 ST-SC-S6 cl. 2.1 ITP P01 item P01-11	Record check of the P01-11 release; content check against this list	Once per package and on each change	PM	None	Copy of the P01-11 release; content list with clauses															

Item No.	Inspection / test point	Acceptance criteria	Specification / clause	Inspection / test method	Frequency	Responsibility	Equipment and calibration	Record
		- Curing materials, and the compound type and method that achieves not less than 0.2 L/m² (cl. 2.1(d), (e)). - Concrete mix design with all items of ST-SC-S7 cl. 2.1(a), including drying shrinkage at 56 days and evidence not more than 12 months old or a trial mix to AS 1012.2. - Reinforcement placement verification procedure and the supplier's ACRS certificate (ST-SC-S6 cl. 2.1). - Pour-day layout to scale: mouth closure, pump, pipeline and agitator positions, span zone (item 6.1). If not met: Any change to the documentation, including a changed mix, is resubmitted before use (PC-CN3 cl. 3.1(f); ST-SC-S7 cl. 3.1).						
1.5 H rev E K08-03	SPECIFICATION HOLD POINT (ST-SC-C7 cl. 3.5(a); Table ST-SC-C7 10-1) Half-width construction joint proposal	“All mandatory joints are shown on the Design Drawings. Any proposal for additional joints prior to construction will constitute a Hold Point.” The centreline joint between the north and south halves of each ramp is not on the drawings, so its detail (keyed or doweled) is proposed and released before the first half is poured. Review period 5 Business Days (documentation). If not met: No half is poured until released. A joint formed anywhere else, including one forced by an interrupted pour, is an additional joint and needs this hold point.	ST-SC-C7 cl. 3.5(a), (b) Table ST-SC-C7 10-1	Document review	Once	PM submits; Superintendent releases (hold point)	None	Joint proposal; hold point release
1.6 W new	SPECIFICATION WITNESS POINT (PC-QA1A cl. 7.2.2(b); Table PC-QA1 10-2), if applicable Inspection, measuring and test equipment	- A schedule of calibrated inspection, measuring and test equipment is kept, with date of last calibration and next due date. - Each item carries a calibration label with serial number, calibration date and expiry date. - Equipment is capable of the accuracy the Contract Documents require. - Equipment used in this ITP: nuclear density gauge, cover meter, multimeter, thermometers, hygrometer, anemometer, slump cone and rod, felt mats and scale, crack-width gauge, total station, level. If not met: Where an item is calibrated or recalibrated during the work, submit the results, any adjustment, and its effect on work done since the previous calibration: a witness point, 10 BD review.	PC-QA1A cl. 7.2.2(a)–(d) Table PC-QA1 10-2 Section D cl. 2.4.1	Record check of the schedule and labels	Before first use; on each recalibration	CQR	As listed	Calibration schedule extract
1.7 H new	SPECIFICATION HOLD POINT (ST-SC-S6 cl. 3.3(d); Table ST-SC-S6 6-1), if applicable Welding of reinforcement	Not planned: SL81 is tied, not welded. “Welding of steel reinforcement must not be used unless the Hold Point in section 3.3d) has been released.” Any tack welding is to Welding Australia TGN-BC-01 with no loss of bar section. Review period 3 Business Days.	ST-SC-S6 cl. 3.3(a), (b), (d) Table ST-SC-S6 6-1	Document review	Only if welding is proposed	PM submits; Superintendent releases (hold point)	None	Welding proposal; release

2.0 Materials

2.1 R rev E K08-05	Concrete class, mix design and aggregate (40 MPa)	• Special class concrete: “Unless shown on the Design Drawings, all supplied concrete must be special-class concrete.” • Exposure classification “as shown on the Design Drawings”. The drawings show none; B1 is used for the limits below (open item).	ST-SC-S7 cl. 2.1(a), 3.1–3.4, 3.6, 5.1(a), (b), 5.2, 6.1(e), 7(a) Tables ST-SC-S7 3-1, 5-1, 8-2 ST-SC-S1 cl. 1(c) WT110-01 Detail A	Document review of the supplier’s mix design and certificates; drying shrinkage per AS 1379; aggregate per AS 2758.1	Once per mix before the first pour; shape and absorption at least once per aggregate type; shrinkage 3 tests from the proposed mix	PM; concrete supplier (SUB)	Supplier’s NATA laboratory	Mix design submission; aggregate and shrinkage test certificates

Item No.	Inspection / test point	Acceptance criteria	Specification / clause	Inspection / test method	Frequency	Responsibility	Equipment and calibration	Record
		- Cement to AS 3972, one manufacturer, brand and type per batch, not more than 3 months old unless re-tested; no white cement. - Admixtures to AS 1478.1; no calcium chloride. - Acid-soluble chloride ion $\leq 0.15\%$ (reinforced concrete); sulphate as $\text{SO}_3 \leq 5\%$ of cementitious material. - Drying shrinkage: 3 tests from the proposed mix design (AS 1379); the limit is that of ST-SD-D1 section 19 (open item: the governing value is not held). - Mix evidence from production not more than 12 months old, or a trial mix to AS 1012.2. - High durability (VPV) testing does not apply at B1 (section 7 applies from B2). If not met: A mix that does not meet these limits is not ordered. A changed mix is resubmitted with the Construction Documentation before it is batched (ST-SC-S7 cl. 3.1).						
2.2 R rev E K08-06	Reinforcement supply (SL81 mesh)	- Mesh complies with AS/NZS 4671 and is certified to AS/NZS 4671 and the ACRS. - Manufacturer and processor hold a valid ACRS certificate of approval, provided with the Construction Documentation. - Supplied cold-bent to shape where bent; not bent after fabrication unless drawn. - Placed central in the ramp (Detail A). If not met: A delivery without certification is quarantined and not placed until the certificate is received and checked.	ST-SC-S6 cl. 3.1(a)–(c), 3.2(a) Table ST-SC-S6 7-1 WT110-01 Detail A	Certificate review; visual on delivery	Each delivery	SS; reinforcement supplier (SUB)	None	AS/NZS 4671 and ACRS certificates; delivery docket
2.3 H new	SPECIFICATION HOLD POINT (ST-SC-S6 cl. 3.4(b); Table ST-SC-S6 6-1), if mortar blocks are used Bar chairs and spacers	“Steel spacers (including plastic coated or tipped) must not be used to maintain cover.” - Mortar block spacers, if used, have properties at least equal to the surrounding concrete and the same colour and cement type; evidence is a hold point (24 hours review) and blocks are not used until released. - Chair type is named in the Construction Documentation. If not met: Steel or plastic-tipped steel chairs found under the mesh are replaced before the pre-pour inspection.	ST-SC-S6 cl. 3.4(a), (b) Table ST-SC-S6 6-1	Visual; document review for mortar blocks	Each delivery; each half	SS; Superintendent releases mortar block evidence	None	Product data; release where applicable
2.4 R new	Curing compound	- Complies with AS 3799 (liquid membrane-forming curing compounds). - Pigmented enough to show full coverage; pigment not visible 14 days after application; no staining or deleterious effect. - PVA-based compounds are not permitted. - Type, certified rate and method of application are in the Construction Documentation.	ST-SC-C7 cl. 2.1(e), 5(d)(ii) (A)–(C)	Certificate and product data review	Once per product; each batch delivered	SS	None	AS 3799 certificate of compliance; batch numbers

3.0 Survey

3.1 H rev E K08-04	SPECIFICATION HOLD POINT (PC-SI1 cl. 5.2(d); Table PC-SI1 13-1), released on ITP P06 item P06-03 Survey equipment evidence	- EDM equipment tested within the last 12 months before first use and every 12 months after, at the University of South Australia (Mawson) or a NATA accredited organisation. - Level equipment checked and in tolerance before survey work; evidence documented. - Survey work does not start until the hold point is released (10 BD review).	PC-SI1 cl. 5.2(b)–(d), 5.3 Table PC-SI1 13-1 ITP P06 items P06-03, P06-05	Record check of the P06-03 release	Once before the first set-out; on re-test	Set-out surveyor (SUB)	Total station: EDM test certificate within 12 months; level: documented check	Copy of the P06-03 release
3.2 H rev E K08-21	SPECIFICATION HOLD POINT (PC-SI1 cl. 6.1(d); Table PC-SI1 13-1), released on ITP P06 item P06-07 Permanent survey mark S300 zone (ramp R1 south half)	- Surveyor General given at least 10 Business Days’ written notice of commencement and of possible destruction of a registered mark; copy to the Principal within 24 hours. “The Contractor must not commence any relevant Works or Temporary Works (including demolition) until this Hold Point has been released.” No sawcut, excavation or demolition inside the S300 zone before release. If not met: If a permanent mark is damaged, disturbed or removed: re-install or replace it, liaise with the Surveyor General’s office, have the work certified by the surveyor, and submit field observations, coordinates and sketches (PC-SI1 cl. 6.2(a)). Raise a non-conformance (item 9.4).	PC-SI1 cl. 6.1(b)–(d), 6.2(a) Table PC-SI1 13-1 ITP P06 item P06-07	Record check of the P06-07 release	Once, before the first cut in the zone	SS	None	Copy of the P06-07 release, filed in each lot in the zone
3.3 R	Set-out	Set out in enough detail to fix the toe and platform edge sawcut lines, the half-width joint, ramp edges and levels (ramp length 2.0 m, rise per Detail A).	PC-SI1 cl. 6.6, 8(d) Section D cl. 2.10.3	Survey (total station and level)	Each ramp half	Set-out surveyor (SUB)	Total station (EDM tested within 12	Set-out record and verification certificate

Item No.	Inspection / test point	Acceptance criteria	Specification / clause	Inspection / test method	Frequency	Responsibility	Equipment and calibration	Record
new		- Levels on AHD from PSM S300 (RL 11.987); coordinates MGA2020 from S300 and S301 (drawing notes). - Real time kinematic GNSS is not used for horizontal set-out of any feature on or above the pavement course. - Verification certificates kept for all set-out points. If not met: Pegs or marks lost or disturbed by the work are reset by or for the Principal at the contractor's cost (Section D cl. 2.10.3); work does not proceed from a disturbed mark.	WT110-01 general notes ITP P06 item P06-12				months, PC-SI1 cl. 5.2(b)); automatic level with current collimation check (cl. 5.3)	

4.0 Pre-construction: base preparation (lots suffix B)

4.1 R rev E K08-07	Sawcut, box-out and trim of existing base	- Toe and platform-edge sawcuts straight on the set-out line; existing asphalt removed to the Detail A depth. - Existing base trimmed to level, free of loose material and standing water. - Non-homogeneous areas (segregated or bony, soft and over-wet, ravelling and loose, compaction planes, cracking, shoving, ruts) are excluded from the lot before testing; this is a non-conformance. If not met: Rectify excluded areas before testing; if excluded areas exceed 10 % of the lot, rectify the whole lot before testing (RD-PV-C1 cl. 5.1(g)). Raise a non-conformance notice within 1 working day (item 9.4).	WT110-01 Detail A RD-PV-C1 cl. 5.1(e)–(g) PC-QA1A cl. 8.1(b)	Visual; tape and string line	Each ramp half	SS	None	Inspection record with photos												
4.2 R rev E K08-07	Compaction of existing base	- Existing pavement base compacted to ≥ 95 % modified compaction (Detail A). Detail A cites AS 1289.5.1.1, the standard compaction method; the plan reads the more onerous modified basis (open item). - Every result meets the limit: acceptance on an absolute basis. - Test locations stratified random, strata equal to the number of tests. - No test on a rain-softened or over-wet surface: such an area is excluded from the lot (RD-PV-C1 cl. 5.1(f)(ii)) and rectified first. Test count (RD-PV-C1 cl. 5.3(a)(iii), base lots under 2000 m²) <table><tr><th>Lot</th><th>Area</th><th>Rule</th><th>Tests</th></tr><tr><td>R1 half (S or N)</td><td>10.0 m²</td><td>1 per 400 m², minimum 2</td><td>2</td></tr><tr><td>R2 half (S or N)</td><td>5.5 m²</td><td>1 per 400 m², minimum 2</td><td>2</td></tr></table> If not met: A lot with any result below 95 % is reworked (moisture-conditioned and recompacted) and retested at the full count; non-conformance raised and its hold point released before concrete work covers it (item 9.4).	Lot	Area	Rule	Tests	R1 half (S or N)	10.0 m²	1 per 400 m², minimum 2	2	R2 half (S or N)	5.5 m²	1 per 400 m², minimum 2	2	WT110-01 Detail A RD-PV-C1 cl. 5.2(a), 5.3(a)(iii), (iv), (b); Table RD-PV-C1 9-1 (adopted: the frequency is nominated under Section D cl. 2.4.1) PC-QA1A cl. 7.2.1(a)	Field density AS 1289.5.8.1 (nuclear gauge, direct transmission); MDD AS 1289.5.2.1 (modified); dry density ratio TP320; site selection AS 1289.1.4.2	1 per 400 m², min. 2 per lot	NATA laboratory (SUB); SS	Nuclear density gauge on the laboratory’s calibration schedule (PC-QA1A cl. 7.2.2(a))	NATA density reports
Lot	Area	Rule	Tests																	
R1 half (S or N)	10.0 m²	1 per 400 m², minimum 2	2																	
R2 half (S or N)	5.5 m²	1 per 400 m², minimum 2	2																	
4.3 R rev E K08-07	Plant exclusion from the stabilised base	- No vehicle or construction equipment on the adjoining stabilised (CT) base for 7 days from completion of its compaction; curing vehicles excepted if single-axle units not exceeding 8 t per axle. - After 7 days only equipment building the next pavement layers (and kerb backfill) uses it; it is never a construction or haul track. - Pour plant (agitator and pump) is neither curing plant nor plant building the next layer, so it stands on the closed approach east of CH 15.5 and never on the CT base, at any age. If not met: If heavy vehicle access across the stabilised area is unavoidable, place 200 mm of PM2/20Q class 2 over the trafficked area first (RD-PV-S2 cl. 11(e)). Unauthorised trafficking is a non-conformance (item 9.4).	RD-PV-S2 cl. 11(a)–(e) ITP V07 item V07-13	Visual; plant log	Daily while the base is under 7 days old; each pour day	SS	None	Plant log												

5.0 Construction: forms and reinforcement

5.1 R new	Edge and joint forms	- Forms set to the set-out line and level, secure and mortar-tight; the joint face formed to the released joint detail (item 1.5). - Formwork documentation required by AS 3610 available on site during construction, use and stripping. - Stripping: AS 3610 minimum times; the construction-joint face may be stripped at 1 day. - Where forms are removed before the end of curing, curing of that face restarts within 30 minutes and continues for the full period.	ST-SC-C6 cl. 4.1, 4.2(a), (e) ST-SC-C7 cl. 5(d)(iv)(B)	Visual; tape and level	Each ramp half	SS; leading hand	Level, tape	Pre-pour inspection record (item 6.3)
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Item No.	Inspection / test point	Acceptance criteria	Specification / clause	Inspection / test method	Frequency	Responsibility	Equipment and calibration	Record										
5.2 R rev E K08-08	Reinforcement placement	- SL81 placed central (Detail A) on approved chairs (item 2.3), tied, laps to AS 3600, bar ends capped. - Cover is the clear distance from any reinforcement, tie wire or fixing to the nearest concrete surface. <table><tr><td colspan="2">Table ST-SC-C7 9-1 General tolerances</td></tr><tr><td>Item</td><td>Tolerance (mm)</td></tr><tr><td>Placing of reinforcement</td><td>5</td></tr><tr><td>Spacing of reinforcement</td><td>15 or 10 % of nominated spacing, whichever is greater</td></tr><tr><td>Concrete cover</td><td>−0 to +5</td></tr></table> Nominal cover to the mesh is not printed on Detail A (open item); the measured cover is recorded against the central position. If not met: Out-of-tolerance mesh is re-chaired or re-fixed and re-measured before the evidence is submitted under item 5.3.	Table ST-SC-C7 9-1 General tolerances		Item	Tolerance (mm)	Placing of reinforcement	5	Spacing of reinforcement	15 or 10 % of nominated spacing, whichever is greater	Concrete cover	−0 to +5	ST-SC-S6 cl. 3.1(a), 3.5(a)–(c) ST-SC-C7 Table 9-1 WT110-01 Detail A	Cover meter, tape and photos	Each half pour; cover readings across the half	SS; steel fixer (SUB)	Cover meter on the calibration schedule (PC-QA1A cl. 7.2.2(a))	Reinforcement inspection record with cover readings and photos
Table ST-SC-C7 9-1 General tolerances																		
Item	Tolerance (mm)																	
Placing of reinforcement	5																	
Spacing of reinforcement	15 or 10 % of nominated spacing, whichever is greater																	
Concrete cover	−0 to +5																	
5.3 H rev E K08-08	SPECIFICATION HOLD POINT (ST-SC-C7 cl. 3.1(a); Table ST-SC-C7 10-1) Evidence of reinforcement placement	“The Contractor must submit evidence verifying that the reinforcement has been placed within the specified cover and tolerances (refer ST-SC-S6 “Steel Reinforcement”), which will constitute a Hold Point. Concrete must not be placed until this Hold Point has been released.” - Documentation hold point; review period 5 Business Days. - Submit with the continuity evidence (item 5.4) so the two review periods run together.	ST-SC-C7 cl. 3.1(a) Table ST-SC-C7 10-1 ST-SC-S6 cl. 3.5(c)	Document review of item 5.2 records	Each half pour	SS submits; Superintendent releases (hold point)	As item 5.2	Submission; hold point release										
5.4 W rev E K08-09	SPECIFICATION WITNESS POINT (ST-SC-S6 cl. 4; Table ST-SC-S6 6-2) Electrical continuity of reinforcement	“Evidence of the electrical continuity of reinforcement and fitments in accordance with AS 2832.5 ... must be submitted as part of the Quality Management Records, prior to placement of concrete, which will constitute a Witness Point.” Documentation witness point, 5 Business Day review. Carried for the ramps until the Principal confirms it is not required for ramps without cathodic protection (open item). If not met: A discontinuous mesh is re-tied and re-tested before the evidence is submitted.	ST-SC-S6 cl. 4 Table ST-SC-S6 6-2	Continuity test (resistance between mesh sheets) and document review	Each placement	SS submits; Superintendent may comment (witness point)	Multimeter on the calibration schedule (PC-QA1A cl. 7.2.2(a))	Continuity test record										

6.0 Pre-pour

6.1 R new	Concrete pour plan	Pump type by half. South halves (Fri 19 Feb 2027): trailer-mounted line pump delivering through a ground pipeline; the south halves lie inside the overhead span zone, so nothing is raised there. North halves (Tue 23 Mar 2027): line pump as the base case; a truck boom pump is an option on this day only, with its whole envelope (boom, outriggers and pads) north of offset +1.8 m and below every measured line. Plant stand. Pump and agitator on the closed approach east of CH 15.5 under the mouth closure, never on the CT base (item 4.3); agitator reverses to the hopper under a spotter. Standby. The procedure names the standby equipment (ST-SC-C7 cl. 2.1(a)(iii)): a second pump available on call for the pour, a spare poker vibrator and screed on site, and an alternative supply from a stand-by mixing plant available immediately in the event of breakdown (cl. 3.2). Volume and supply. About 2.35 m³ per pour day (two halves), planned as 2 loads; order with enough margin to finish each half, because hand mixing is not permitted (cl. 3.1(c)). Sampling point. At the agitator chute, clear of the pipeline and any boom. Nominated contractor requirement (the specification is silent): the second pump on call and the spare vibrator and screed are the contractor’s standby list; the clause requires standby equipment but does not name it.	ST-SC-C7 cl. 2.1(a)(iii), 3.1(c), 3.2 RD-PV-S2 cl. 11 Method statement, raised platform ramps, step 4 SWMS-22 controls C-01, C-19	Document review; visual on the day	Each pour day	PM; pump hire (SUB)	None	Pour-day layout; bookings
6.2 IH new	INTERNAL HOLD POINT (go / no-go, afternoon before the pour) Weather, bookings and approvals	- Forecast air temperature at the site not below 5 °C, and shade temperature not over 35 °C, from placement until curing is applied (ST-SC-C7 cl. 3.6.1(a)). - No rain forecast during the pour or the 2 hours after it; no forecast of strong wind, dust or bushfire near the site (cl. 3.6.1(b)). - Concrete, pump, standby pump and NATA technician booked; mouth closure approvals in hand; the span zone marked on the layout; bay cleared.	ST-SC-C7 cl. 3.6.1(a), (b) PC-QA1A cl. 6.1(c), (d) Method statement, raised platform ramps, step 4	Forecast check; booking and release check	Each pour day	PM releases	None	Go / no-go record

Item No.	Inspection / test point	Acceptance criteria	Specification / clause	Inspection / test method	Frequency	Responsibility	Equipment and calibration	Record
		Items 5.3 released and 5.4 passed (released, commented on, or 5 BD elapsed without comment). Nominated contractor requirement (the specification is silent): the 2-hour rain margin and the afternoon-before decision are contractor requirements from the method statement. If not met: No-go: cancel the concrete and pump bookings and re-plan the pour day.						
6.3 IH new	INTERNAL HOLD POINT (pre-pour inspection, morning of the pour) Pre-pour inspection	- Base clean, free of loose material and standing water; base lot conformed (item 4.2). - Forms secure, mortar-tight, on line and level (item 5.1). - Mesh on chairs, cover as submitted under item 5.3, no tie wire inside the cover zone. - For a second half: joint face prepared (item 8.1). - Steel forms and reinforcement cooled by shading, covers or wetting down where hot, to prevent flash setting (ST-SC-C7 cl. 3.6.1(c)). - Evaporation equipment, slump cone, thermometer, cylinder moulds, curing compound and sprayer, felt mats and the standby items of 6.1 on site. If not met: Do not call the first truck until every point is closed out; record what was corrected.	ST-SC-C7 cl. 3.5(b), (c), 3.6.1(c) ST-SC-S6 cl. 3.5(a) PC-QA1A cl. 6.1(a)	Visual; tape; cover meter spot check	Each half pour	SS inspects; PM releases	Cover meter (calibration schedule)	Pre-pour inspection record
6.4 W rev E K08-10	SPECIFICATION WITNESS POINT (ST-SC-C7 cl. 3.1(b); Table ST-SC-C7 10-2) Notice before placing concrete	“At least 24 hours’ notice must be provided prior to placing concrete, which will constitute a Witness Point. Concrete must not be placed until the Contractor has progressed past the Witness Point.” Construction quality witness point: 24 hours notification, plus reasonable time for travel (PC-QA1A cl. 6.3.2(a)). If not met: If the notice is short, or the work is not ready when the Superintendent attends, re-notify: the period runs again (PC-QA1A cl. 6.3.2(b), 6.3.3(a)).	ST-SC-C7 cl. 3.1(b) Table ST-SC-C7 10-2 PC-QA1A cl. 6.3.2, 6.3.3	Written notice	Each pour	SS gives notice; Superintendent may attend (witness point)	None	Pour notice

7.0 Pour (lots suffix C)

7.1 R rev E K08-11	Placing conditions and evaporation rate	- Ramps have an area to volume ratio ≥ 5, so concrete is not placed unless the evaporation rate from Figure ST-SC-C7 11-1 is $< 1 \text{ kg/m}^2/\text{h}$. - Between 0.5 and $1 \text{ kg/m}^2/\text{h}$, place only with the precautionary measures in the Construction Documentation. - No placing in the open during rain, wind, dust or bushfire in the immediate vicinity. - Air temperature not below $5 \text{ }^{\circ}\text{C}$ and shade temperature not over $35 \text{ }^{\circ}\text{C}$ from placement until curing is applied. If not met: At $1 \text{ kg/m}^2/\text{h}$ or more, or if rain starts, stop placing, protect the placed concrete, and do not resume until the conditions are back within limits. A half that cannot be finished is handled under item 7.3.	ST-SC-C7 cl. 3.6.1(a), (b), 3.6.2(a)–(c), Figure 11-1	Air temperature, relative humidity, concrete temperature and wind speed read into the Figure 11-1 nomograph	Before the pour and hourly during it	SS	Thermometer, hygrometer, anemometer on the calibration schedule (PC-QA1A cl. 7.2.2(a))	Evaporation record
7.2 R rev E K08-12	Delivery and acceptance of each load	- Docket matches the approved mix; each truckload traceable from batch plant to its location by a unique number. - Concrete temperature at the acceptance point not $< 5 \text{ }^{\circ}\text{C}$ nor $> 35 \text{ }^{\circ}\text{C}$. - Slump within the AS 1379 tolerance of the nominated slump; slump tested at least at the sampling frequency of Table ST-SC-S7 6-1, and Table ST-SC-S7 8-2 sets slump for each truck load. - Where supply exceeds 60 minutes from batching, slump tested on site every hour. - Water added on site only up to the maximum on the docket, measured to batch-plant accuracy and recorded; admixture added only as the docket states, and recorded. If not met: “Truck loads not complying with this must be rejected and must not be incorporated into the Works.” Record the rejected load and its docket.	ST-SC-C7 cl. 3.3, 3.4 ST-SC-S7 cl. 3.3(b), 3.5(a), 6.1(b)(i)(A), (c), (f); Tables 8-1, 8-2, 10-1 Section D cl. 2.4.5	Docket check; slump test per AS 1379 (AS 1012.3.1); concrete thermometer	Each load; hourly slump where supply exceeds 60 min	SS with the NATA technician (SUB)	Slump cone and rod; thermometer (calibration schedule)	Dockets; slump and temperature log; water and admixture addition record
7.3 R new	Placing and compaction	- Concrete transported, handled, placed, compacted and finished to AS 3600 using the processes of T41 Guide to Concrete Construction; hand mixing is not permitted. - Each half placed in one continuous operation; fully compacted by internal vibration, with care at the forms and the joint face. Nominated contractor requirement (the specification is silent): if the pump fails, change to the standby pump or supply (item 6.1). If a half cannot be completed before the placed concrete takes its initial set, stop, remove the unset concrete from that half,	ST-SC-C7 cl. 3.1(c), 3.2, 3.5(a)	Visual	Each pour	Leading hand; SS	Poker vibrators (one spare)	Pour record

Item No.	Inspection / test point	Acceptance criteria	Specification / clause	Inspection / test method	Frequency	Responsibility	Equipment and calibration	Record								
		and re-pour on another day; an unplanned joint is an additional construction joint, which needs the item 1.5 hold point, and is raised as a non-conformance (item 9.4).														
7.4 R rev E K08-13	Project assessment sampling and strength	28-day compressive strength f'c 40 MPa; project assessment per AS 1379. - Samples selected randomly; 3 cylinders per sample: 1 tested at 7 days (indication only), 2 at 28 days (conformance). - Additional early-age cylinders from the same sample for the traffic-switch decision (item 8.2). - Every sample entered in the sample register; a sample taken but not tested is recorded with the reason. Table ST-SC-S7 6-1 Sampling frequency (per day) <table><tr><th>Batches (trucks) supplied that day</th><th>Samples</th></tr><tr><td>1</td><td>1</td></tr><tr><td>2 – 5</td><td>2</td></tr><tr><td>> 5</td><td>2 plus 1 for each additional 5 batches (or part thereof)</td></tr></table> Planned: 2 loads per pour day, so 2 samples, 1 per half. If not met: A 7-day result < 65 % of the specified 28-day strength: a Non-Conformance Report with the proposed disposition within 2 days of the test (Table ST-SC-S7 10-1). A 28-day result below f'c: non-conformance (item 9.4).	Batches (trucks) supplied that day	Samples	1	1	2 – 5	2	> 5	2 plus 1 for each additional 5 batches (or part thereof)	ST-SC-S7 cl. 6.1(a), (b); Tables 6-1, 8-1, 8-2, 10-1 PC-QA1A cl. 7.2.1(a), 7.3.1(f), (g) Section D cl. 2.4.4	Sampling per AS 1379; compressive strength AS 1012.9	Per day of supply, per Table 6-1	NATA laboratory (SUB)	Laboratory compression machine (NATA accredited)	Sample register; 7-day and 28-day reports
Batches (trucks) supplied that day	Samples															
1	1															
2 – 5	2															
> 5	2 plus 1 for each additional 5 batches (or part thereof)															
7.5 R rev E K08-14	Finish	- Screeded, wood floated, then roughened by broom across the direction of traffic when the concrete has set sufficiently (finish U1 adopted for a trafficked ramp). - Arrises and the joint edge true to line. Nominated contractor requirement (the specification is silent): finish U1 is adopted; ST-SC-C7 cl. 4.2(a) names decks to be surfaced and walkways, and does not name raised platform ramps.	ST-SC-C7 cl. 4.1, 4.2(b) WT110-01 Detail A	Visual	Each pour	Leading hand; SS	None	Pour record; photos								
7.6 R rev E K08-14	Curing	- Continuously cured for 14 days (area to volume ratio ≥ 5); plus 48 hours where GB, LH or SL cement is in the mix. - Curing compound applied by pressurised sprayer with continuous agitation, in 2 coats each at the certified rate or 0.2 L/m², whichever is greater; time between coats per the manufacturer. - Rate checked by the compound collected on felt mats of about 0.25 m² placed on the surface. - No compound on the construction-joint face unless it will be roughened to remove it. - Membrane kept intact for the whole curing period. If not met: Damage to the membrane during curing is repaired immediately at the original rate. A coat below rate is re-sprayed and re-checked.	ST-SC-C7 cl. 5(a), (c), (d)(ii) (D)–(F), (H)	Visual; felt-mat rate check	Each pour; felt-mat check per coat	SS	Felt mats about 0.25 m²; scale (calibration schedule)	Curing record: compound batch, coats, felt-mat rates, dates								

8.0 Second halves and traffic switch

8.1 R rev E K08-15	Joint preparation before the second half	- Joint face roughened to expose coarse aggregate, without hitting the reinforcement if mechanical tools are used. - All curing compound removed from the face. - Washed clean with water within 2 hours before placing fresh concrete against it; excess water and loose material removed. If not met: A face not washed within the 2 hours is washed again before placing.	ST-SC-C7 cl. 3.5(b), (c)	Visual; photos	Each second half	SS	None	Joint photographs
8.2 R rev E K08-15	Traffic switch onto a finished half	14-day cure complete (item 7.6). - Early-age cylinder strength ≥ 0.75 f_c (30 MPa), a contractor position by analogy with ST-SC-C6 cl. 4.3(a) (open item). - Adjoining platform paving complete (ITP V10 item V10-14). - Strength by cylinders: maturity testing or temperature-matched curing is not used for early loading unless approved through the ST-SC-C7 cl. 6(b) hold point. Nominated contractor requirement (the specification is silent): the 0.75 f_c opening strength; the specifications print no opening strength for a ramp.	ST-SC-C7 cl. 5(a), 6(a), (b) ST-SC-C6 cl. 4.3(a) (by analogy) RD-PV-S2 cl. 11(c) ITP V10 item V10-14	Record check of cylinder results and the paving lot	Each half	SS; PM approves the switch	As item 7.4	Switch record with cylinder results

Item No.	Inspection / test point	Acceptance criteria	Specification / clause	Inspection / test method	Frequency	Responsibility	Equipment and calibration	Record						
		If not met: Traffic stays on the other half until all three conditions are met.												
8.3 R rev E K08-16	Cracking and surface defects	Table ST-SC-C7 7-1 Acceptable crack widths (row used) <table><tr><th>Exposure classification</th><th>Maximum crack width (mm)</th></tr><tr><td>B1 (used)</td><td>0.20</td></tr><tr><td>B2 (if directed)</td><td>0.15</td></tr></table> Applies at all times after placement. Blowholes deeper than 10 % of the specified cover, and any honeycombing, on formed faces are non-conformances. If not met: A crack wider than the limit is a non-conformance: issue a non-conformance notice; have the Designer assess the effect on capacity, serviceability and durability; establish cause, width, moisture and whether the crack is active; prepare a repair procedure to the DIT Bridge Repair Manual (SR05 or SR06) or Victorian DTP Section 687 or 689; submit with the NCR. No repair until the NCR hold point is released (ST-SC-C7 cl. 7(b), (c)).	Exposure classification	Maximum crack width (mm)	B1 (used)	0.20	B2 (if directed)	0.15	ST-SC-C7 cl. 7(a)–(c), Table 7-1, cl. 8.3	Visual with a crack-width gauge over the full surface	Each lot, at the end of curing and before close-out	SS	Crack-width gauge or microscope	Crack survey
Exposure classification	Maximum crack width (mm)													
B1 (used)	0.20													
B2 (if directed)	0.15													

9.0 Conformance and lot close-out

9.1 R rev E K08-17	Independent conformance survey	- Surveyed by an independent surveyor confirming level and location before covering up or installation of subsequent works. - Points at a maximum of 10 m intervals; at 5 m where the grade is 0.5 % or less; and at every change of grade; at least 6 points per ramp half (toe, top and both edges). - Ramp length 2.0 m and rise per Detail A. - Verification certificate in .xlsx giving the instrument, design value, actual value, difference and allowable tolerance for each point. Tolerances adopted (Table ST-SC-C7 9-2, cast in-situ concrete) <table><tr><th>Item</th><th>Tolerance</th><th>Basis</th></tr><tr><td>Surface reduced level (item 5, deck)</td><td>–10 to +10 mm</td><td>Nominated by analogy: no ramp tolerance is printed</td></tr><tr><td>Slab surface finish (item 15)</td><td>5 mm in 2.5 m</td><td>Cast in-situ slab</td></tr></table> The verification certificates go to ITP P06 item P06-16: SPECIFICATION HOLD POINT (PC-SI1 cl. 7.1(b)), 5 BD review, a condition precedent to Completion. If not met: Out-of-tolerance level or surface: non-conformance (item 9.4); grind or remove and replace as the released NCR directs.	Item	Tolerance	Basis	Surface reduced level (item 5, deck)	–10 to +10 mm	Nominated by analogy: no ramp tolerance is printed	Slab surface finish (item 15)	5 mm in 2.5 m	Cast in-situ slab	Section D cl. 2.10, 2.10.4 PC-SI1 cl. 7.1(a), (b), 8(d) ST-SC-C7 Table 9-2 items 5, 15 ITP P06 items P06-13, P06-16	Robotic total station and level (no RTK GNSS); 2.5 m straightedge	Each ramp half: at the intervals above, at least 6 points	Independent surveyor (SUB)	Total station (EDM tested within 12 months, PC-SI1 cl. 5.2(b)); level (checked, cl. 5.3); straightedge	Conformance report (.xlsx)
Item	Tolerance	Basis															
Surface reduced level (item 5, deck)	–10 to +10 mm	Nominated by analogy: no ramp tolerance is printed															
Slab surface finish (item 15)	5 mm in 2.5 m	Cast in-situ slab															
9.2 R rev E K08-18	Free draining	“Notwithstanding compliance with levels tolerances, the Contractor shall also ensure that areas of pavement ... are free draining and no ponding occurs. The contractor shall undertake water testing of these areas to provide evidence of free draining.” The ramp surface and adjacent spoon drains drain to the outlet with no ponding. If not met: Ponding found is rectified and the water test repeated.	Section D cl. 2.10.4	Water release with photos or video by chainage	Each lot, full length	SS	Water cart	Water test record: date, chainages, photos, ponding found and rectified									
9.3 W rev E K08-19	SPECIFICATION WITNESS POINT (PC-QA1A cl. 7.4(f); Table PC-QA1 10-2) Lot close-out	- Completed records made available; every item signed with date, time and location; test reports in the lot within 10 Business Days of each test. - Every hold and witness point for the lot released. - The Construction Quality Representative reviews the lot and confirms in writing that it complies, and certifies it within 3 working days of completion. - Lot forwarded to the Principal within 1 working day of certification: a documentation witness point, 10 BD review. - Work is not covered up before its lot is closed out; covering before test results are in is at the contractor’s risk and recorded in the lot. If not met: A lot that failed any check is not closed until the non-conformance is rectified and closed out (cl. 7.4(a)). If covered before results and later found non-conforming, rectify the underlying work and remove and replace the overlying work (Section D cl. 2.4.7).	PC-QA1A cl. 5.4.1(d), 7.4(a), (b), (d)–(f) Table PC-QA1 10-2 Section D cl. 2.4.7	Record review	Each lot	CQR certifies; Superintendent may comment (witness point)	None	Certified lot record; Work Lot Register entry									
9.4 H	SPECIFICATION HOLD POINT (PC-QA1A cl. 8.1(f) and 8.3(b); Section D cl. 2.4.3)	Non-Conformance Notice to the Principal within 1 working day of identification, describing the non-conformance and the lot.	PC-QA1A cl. 8.1(b), (d)–(g), 8.3(b)	Document review; inspection of rectified work	Each non-conformance	CQR; Superintendent releases (hold point)	As the failed check	NCN; NCR; releases; rectification record									

Item No.	Inspection / test point	Acceptance criteria	Specification / clause	Inspection / test method	Frequency	Responsibility	Equipment and calibration	Record
rev E K08-20	Non-conformance	- Non-Conformance Report for each non-conformance, one lot per report, with records and the proposed remediation: a documentation hold point, 10 BD review. - No rectification, covering up or subsequent work until the report hold point is released. - After rectification, a further hold point (construction quality, 10 days notification) before any work covers the rectification. If not met: Work continued past a hold point is at the contractor’s risk; the Superintendent may require any part removed for testing at the contractor’s cost (Section D cl. 2.4.2).	Table PC-QA1 10-1 Section D cl. 2.4.2, 2.4.3					

Test schedule

Lot	Item	Test method	Count	Count arithmetic	Required by (provisional)
4.1-R1S-B	4.2 base density	AS 1289.5.8.1 against AS 1289.5.2.1 modified MDD	2	max(2, ceil(10.0 m² / 400 m²)) = 2	Thu 11 Feb 2027
4.1-R2S-B	4.2 base density	AS 1289.5.8.1 against AS 1289.5.2.1 modified MDD	2	max(2, ceil(5.5 m² / 400 m²)) = 2	Thu 11 Feb 2027
4.1-R1S-C	7.2 slump and temperature	Slump per AS 1379 (AS 1012.3.1), thermometer, each load	1	1 load planned for this half; 1 test per load	Fri 19 Feb 2027
4.1-R2S-C	7.2 slump and temperature	Slump per AS 1379 (AS 1012.3.1), thermometer, each load	1	1 load planned for this half; 1 test per load	Fri 19 Feb 2027
4.1-R1S-C	7.4 strength sampling	AS 1012.9; 3 cylinders per sample plus early-age cylinders	1	2 loads that day, so 2 samples (Table 6-1, 2 to 5 batches), 1 per half	Tue 9 Mar 2027
4.1-R2S-C	7.4 strength sampling	AS 1012.9; 3 cylinders per sample plus early-age cylinders	1	as above	Tue 9 Mar 2027
4.1-R1N-B	4.2 base density	AS 1289.5.8.1 against AS 1289.5.2.1 modified MDD	2	max(2, ceil(10.0 m² / 400 m²)) = 2	Mon 15 Mar 2027
4.1-R2N-B	4.2 base density	AS 1289.5.8.1 against AS 1289.5.2.1 modified MDD	2	max(2, ceil(5.5 m² / 400 m²)) = 2	Mon 15 Mar 2027
4.1-R1N-C	7.2 slump and temperature	Slump per AS 1379 (AS 1012.3.1), thermometer, each load	1	1 load planned for this half; 1 test per load	Tue 23 Mar 2027
4.1-R2N-C	7.2 slump and temperature	Slump per AS 1379 (AS 1012.3.1), thermometer, each load	1	1 load planned for this half; 1 test per load	Tue 23 Mar 2027
4.1-R1N-C	7.4 strength sampling	AS 1012.9; 3 cylinders per sample plus early-age cylinders	1	2 loads that day, so 2 samples, 1 per half	Wed 7 Apr 2027
4.1-R2N-C	7.4 strength sampling	AS 1012.9; 3 cylinders per sample plus early-age cylinders	1	as above	Wed 7 Apr 2027

Open items

Item	Position taken and what closes it
Releaser of hold and witness points	Only the Principal may delegate a release (PC-QA1A cl. 6.1(e)). The Principal has not named a releaser; the plan names the Superintendent, for the Principal (tender question 66).
Review period for this ITP	Section D cl. 2.4.1 prints none; the plan uses the 10 Business Days of Table PC-QA1 10-1 (tender question 67).
Exposure classification	The drawings do not state one; the plan uses B1 for the mix limits (item 2.1) and the 0.20 mm crack limit (item 8.3). B2 changes the water/cement range to 0.32 – 0.45 and the crack limit to 0.15 mm (tender question 39).
Base compaction standard	Detail A reads 95 % modified compaction “in accordance with 1289.5.1.1”, which is the standard compaction method; the plan reads the more onerous modified basis (item 4.2; tender question 38).
Continuity evidence	ST-SC-S6 cl. 4 asks for it before each placement; the plan carries it until the Principal confirms it is not needed for ramps without cathodic protection (item 5.4; tender question 71).
Specification editions	Section E cl. 1.3 applies the DIT editions current when tenders were called. ST-SC-S7 and ST-SC-C7 are read from their 31 October 2025 editions because the tender-date editions are not held (finding 0055).
Laboratory	No NATA laboratory is engaged yet; the tests are requests to be placed with a laboratory accredited for each method (items 4.2, 7.4; finding 0052).
Drying shrinkage limit	ST-SC-S7 cl. 5.2 points to ST-SD-D1 section 19, whose cl. 19.2(a)(viii) takes the most stringent of the contract documents, the design durability report and Table 7.12 of ATS 5315. None of these is held with a value for the ramps (item 2.1; finding 0130).
Nominal cover to SL81	Detail A prints no cover; the plan checks the ST-SC-C7 Table 9-1 tolerances and records the cover measured (item 5.2; finding 0131).

Item	Position taken and what closes it
Opening strength	0.75 f'c is a contractor position by analogy with ST-SC-C6 cl. 4.3(a); the plan also requires the 14-day cure and the adjoining paving (item 8.2; finding 0132).
Slump tolerance	ST-SC-S7 cl. 6.1(f) applies the AS 1379 slump tolerance. AS 1379 is not held in the project library, so its table is not printed here; insert it from the standard before issue (item 7.2).
Plant library	The plant library holds neither pump type nor the wet-cut road saw; the pour plan (item 6.1) is stated in words until it does (finding 0129).

Sources

Document	Title	Edition
PC-QA1A	Quality Management Requirements	26 March 2025
PC-CN3	Construction Management	30 September 2024
PC-SI1	Site Surveys	30 September 2024
ST-SC-S1	Normal Class Concrete (cl. 1(c) only)	30 September 2024
ST-SC-S6	Steel Reinforcement	30 September 2024
ST-SC-S7	Supply of Concrete	31 October 2025 (provisional, see open items)
ST-SC-C6	Formwork	30 September 2024
ST-SC-C7	Placement of Concrete	31 October 2025 (provisional, see open items)
ST-SD-D1	Design of Structures (section 19 only)	31 October 2025
RD-PV-C1	Construction of unstabilised granular pavement (compaction testing, adopted)	30 September 2024
RD-PV-S2	Plant Mixed Stabilised Pavement (cl. 11 only)	30 September 2024
Section D	General Specification for Works, CWT202500518	Tender
Section E	Technical Specification and Drawings, CWT202500518	Tender
WT110-01	Typical cross sections and details sheet 01 (Detail A, raised platform ramp pavement)	Tender drawing
WT110-05	General construction, MC00 CH 0 - 80	Tender drawing

All DIT specifications are Department for Infrastructure and Transport (South Australia) Master Specification Parts. Every limit in the table was read from the clause cited beside it; values marked as nominated are contractor requirements where the specification is silent.