	Inspection and Test Plan - Control and Supervision of the Works	Doc ID: FH-ZU2-QU-ITP033 Rev: 0
Client: Melbourne Airport (APAM)	Contract No: CP14038	Prepared By: Jihad Barbar
Project: Taxiway Zulu 2.0 Project	Reviewed By: Jamal Khodr	Date: 06/01/2025
Construction Process: ALER 3 Unbound Pavements	Approved By: Marco Poggenberg	Date: 06/01/2025
Specifications: Drawings		
Structure / Component: Asphalt Pavement, Crushed Rock Pavement (Type 1&2), Concrete Apron (Type 1&2)		

Lot No:	Lot Details:	Lot size/Quantity:	Date:
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Item No.	Task/Activity Description	Inspection/Test					HP/ WP/ AP/ IP/ TP/ SCP	Responsibility	Checked by:		
		Frequency	Acceptance Criteria	Reference Documents	Inspection/ Test Method	Record of conformity			Principal's Representative	Fulton Hogan	Date
1.0	Preliminary Activities – Permits, Documentation, Approvals, Survey Documentation										
1.1	The current revision drawings are being used including subcontractors copy.	Prior to commencing works	Current revision drawing is being used including the subcontractors copy. Current Revision to be obtained via Aconex	Aconex	Visual inspection	This signed ITP	HP*	Project/Site Engineer			
1.2	Implementation of all measures and controls.	Prior to commencing works	All necessary measures and controls are being implemented, that is: PSP, EMP, TMP, SWMS & WP	PSP, EMP, TMP, WP SWMS	Visual inspection	This signed ITP	HP*	Project/Site Engineer Foreman			
1.3	Survey	Prior to commencing works	Area has been surveyed, highlighting any areas where excavations should not occur (e.g. exclusion zone).	PSP, EMP, TMP, WP SWMS	Verify	This ITP signed	HP*	Project/Site Engineer			
1.6	Material Test Certificates	Prior to commencing works	Source Rock shall comply with VicRoads Specification 801 Crushed Rock shall comply with VicRoads Specification 812. The contractor shall provide test certificates confirming that the supplied crushed rock meets this specification	Drawing 00201 P04 & P05	Verify	This ITP signed Material Test Certificates	HP	Project/Site Engineer / Principals Representative			
2.0	Placement of Sub-basecourse and Basecourse										

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2.1	Layer Placement	Every Lot	<ul style="list-style-type: none"> Place in horizontal layers of approximately equal thickness. The loose thickness layer shall not exceed 300mm UNO, and in any case, shall not exceed the depth for which satisfactory compaction can be achieved 	Drawing 00201 E32	Verify	This ITP signed	IP	Project/Site Engineer			
2.2	Placement Checks	Every Lot	During placement of the material check; <ul style="list-style-type: none"> Where engineered fill is used to construct permanent batters, it shall be overfilled, compacted, and cut back to the dimensions, levels and design grades to ensure that the final batters have the required compaction Place in a manner such that handling and spreading of materials does not produce gradation of the materials Place so that the surface is always self-draining Engineered fill shall not be placed adjacent to concrete less than 7 days after final placement of the concrete UNO 	Drawing 00201	Verify	This ITP signed	IP	Project/Site Engineer			
2.3	Compaction Check	Every Lot	<u>HOLD POINT</u> <ul style="list-style-type: none"> Engineered fill material shall be compacted by Tamping Rollers and methods approved by the superintendent. In areas where access by such plant is not possible, it shall be compacted by a method approved by a qualified geotechnical engineer. 	Drawings 00201 E37	Verify	This ITP signed	HP	Project/Site Engineer / Principals Representative			
2.4	Services & Culverts	Every Lot	Check if any culverts or services are with the influence zone for compaction.	PSP, EMP,	Verify	This ITP signed	IP	Project/Site Engineer			

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			A general rule, FH will seek advice from the Principles Representative if any culverts, duct banks or RCP pipe are identified closer than 1m from pavement layer surface. If identified, Fulton Hogan will maintain a 1m exclusion zone either side from centre of service for vibrating compaction activities. Hand held DPU's/whacker plate to be used in lieu of rollers in restricted areas.	TMP, WP SWMS							
2.5	Protection of Layer	Every Lot	Protect area from undue deterioration by; <ul style="list-style-type: none"> Section off area for at least 12 to 48 hours to allow material to dry back. If unable to do so, keep traffic to a minimum Or ensure any traffic that has to cross pavement layers, do not follow the same driving line. 	FH Quality Process	Verify	This ITP signed	IP	Project/Site Engineer			
2.6	Proof Rolling	Every Lot	On Completion of Density Testing, Proof Roll with either: <ul style="list-style-type: none"> -20 tonne pneumatic tyred roller with individual tyre pressures of not less than 450kpa per tyre. -12 tonne static smooth wheeled roller with a load intensity on the wheels of not less than 6 tonne per metre width. 	Drawing 00201 P07	Verify	This ITP signed	HP	Project/Site Engineer / Principals Representative			
3.0	Testing, Lot Size and Compliance										

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3.1	Surface Smoothness	Every Lot	No point on the surface of each base or subbase layer shall lie more than 10mm below a 3m straightedge laid parallel to the centreline of the pavement	Drawing 00201 P11	Verify	Report	IP	Project/Site Engineer			
3.2	Layer Thickness	Every Lot	Pavement layers shall not be less than the design thickness.	Drawing 00201 P09	Survey	Survey Report	SCP	Project/Site Engineer			
3.3	Field Dry Density Tests	Every Lot	<p>The minimum frequency of field density tests shall be in accordance with VicRoads specification 304 and not less than:</p> <ul style="list-style-type: none"> Base each lot is 5,000 m2 or one day's production Sub base each lot is 10,000 m2 or one day's production <p>The minimum number of tests per lot shall be six. Field Dry Density Results shall satisfy the specified values as per the drawings</p>	Drawing 00201 P06	Test	Test Report	TP	Project/Site Engineer			

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Final Inspection On behalf of Fulton Hogan it is hereby certified that the Works represented by the items of work listed have been tested in accordance with the Project Quality Plan and conform in all respects with the requirements of the Contract.					
Print Name:		Position:		Signature:	
				Date: / /	

Legend:

HP	Hold Point	Work shall not proceed past the HP until released by the Principal's Representative	IP	Inspection point	Formal Inspection to be done and recorded
HP*	Fulton Hogan Hold Point	Work shall not proceed past the HP* until released by Fulton Hogan	TP	Test Point	Product compliance test to be undertaken and recorded/reported
WP	Witness Point	An inspection which must be witnessed by the Principal's Representative	SCP	Survey conformance point	A qualified surveyor to check product/section/structure and report
AP	Approval Point	Written or verbal approval given by the Principal's Representative			

Notes:
