

	Inspection and Test Plan - Control and Supervision of the Works	Doc ID: FH-ZU2-QU-ITP029 Rev: 0
Client: APAM (MELBOURNE AIRPORT)	Contract No: CP14038	Prepared By: Marianne Sales
Project: Taxiway Zulu 2.0 Project	Reviewed By: Jonathon Rock	Date: 03/06/2024
Construction Process: Grassing & Topsoil	Approved By: Jonathon Rock	Date: 03/06/2024
Specifications: Melbourne Airport MAS-CVL-001 GRASSING (AIRSIDE) & Taxiway Zulu 2.0 Program Works Specification ZULU-BECA-002-SPC-0002		
Structure / Component: Finishing Works		

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 Rep'	Fulton Hogan	Date
1.0	Preliminary activities										
1.1	Check for correct documentation	Prior to commencing any activity	Current revision drawing is being used including the subcontractors copy. Current Revision to be obtained via Aconex	Drawings and Aconex	Verify	This ITP signed	HP*	Project Engineer Site Engineer			
1.2	Implementation of all measures and controls	Prior to commencing any activity	All necessary measures and controls are being implemented, that is: PSP, EMP, TMP, SWMS & WP	PSP, EMP, TMP, SWMS, WP	Inspect	This ITP signed	HP*	Project Engineer Site Engineer			
1.3	Material Approval	Prior to hydro seeding	Hydro mulch supplier are either to be Flexterra HP-FGM, Vital Bon, or Hydro Mulch 1000 unless agreed otherwise by Melbourne Airport.	Grassing Spec cl. 7.2	Verify	ACONEX This ITP signed	HP	Project Engineer Site Engineer	Aconex Ref:		
2.0	Herbicide										
2.1	Topsoil Material	Prior to topsoil placement	Topsoil material is to be virgin topsoil free from clay lumps larger than 50mm in diameter, contaminants, pest, weeds, stones, subsoil, tree, and shrub roots.	Grassing Spec cl. 7.4	Visual Inspection	This ITP signed	HP*	Project Engineer Site Engineer Enviro & Sustainability Advisor			

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3.0	Placement of top soil										
3.1	Topsoil placement	Each Lot	APAM engineering standard (MAS-CVL-001-V1-1-Grassing-Standard – Dec 2022) calls for a uniform thickness of not less than 100mm of topsoil prior to seeding and subject to the Contractor making necessary allowance for compaction of the topsoil prior to Hydro mulching.	Grassing Spec cl. 5.2	Verify	Survey data	HP*	Project Engineer Site Engineer Foreman			
4.0	Hydro seeding										
4.1	Grass Seeds	Each Lot	Grass seed to be used during hydroseeding is to be the following: - 50% Common Couch & 50% Colosseum Ryegrass during the warmer seasons (October to March) - 100% Ryegrass during cooler seasons (April to September) Use of other grass seeds to be approved by Environment and Sustainability Manager.	Grassing Spec cl. 7.1	Verify	Aconex material submission	HP	Project Engineer Site Engineer Enviro & Sustainability Advisor			
4.2	Coverage / Tolerances	Each Lot	A minimum of 95% healthy cover it to be achieved. 95% grass coverage will not take into account any growing weeds as part of the cover.	Grassing Spec cl. 5.6	Visual Inspection	This signed ITP	HP*	Project Engineer Site Engineer			

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4.3	Stabilisation Treatment	Prior to opening area to airport traffic	Use of Vital Bon-Matt Stonewall, or equivalent, is to be prioritised instead of the use of bitumen emulsion in areas prone to jet blast following topsoil and seeding. FH will use bitumen emulsion if directed by APAM Operations. Use of alternative stabiliser to be used for the works is subject to approval by Environment and Sustainability Manager.	Grassing Spec cl. 4.9	Verify	This signed ITP	HP*	Project Engineer Site Engineer Enviro & Sustainability Manager			
4.4	Hydro seeding	Each lot	Application rates shall be more than six tonnes/ha flexterra or alternative (vital bon / hydro mulch 1000) unless agreed otherwise.	Grassing Spec cl. 5.5	Visual inspection	This signed ITP	HP*	Project Engineer Site Engineer Foreman			
5.0	Post Construction										
	Reinstatement of Disturbed Surfaces	As Required	Hydro mulched areas are not to be trafficked for 3 months or until grass has been established.	Grassing Spec cl. 5.5	Visual inspection	This signed ITP	HP*	Site Engineer Foreman			
5.1	Reinstatement of Disturbed Surfaces	As Required	Disturbed surfaces are to be reinstated to their original condition. In areas prone to jet blast, the topsoil surface should be sprayed with bitumen emulsion, Vital Bon-Matt Stonewall, or equivalent, following seeding if grass strike has	Grassing Spec cl. 4.13	Inspection Point	This signed ITP	IP	Project Engineer Site Engineer			

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			not been achieved prior to opening the area to aircraft traffic.								

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
