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|  | **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** | | | | | | |

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| **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** | **Inspectio n/ 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 Inspecti on | This ITP signed | HP\* | Project Engineer  Site Engineer  Enviro & Sustainabilit y 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 & Sustainabilit y 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 Inspecti on | 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 & Sustainabilit y Manager |  |  |  |
|  |  |  |  |  |  |  | |  | Project |  |  |  |
| 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 inspecti on | This signed ITP | | HP\* | 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:**

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| **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**