|  |  |  |
| --- | --- | --- |
|  | **Inspection and Test Plan - Control and Supervision of the Works** | **Document #**  **ITP-001**  Revision : 02 Date: 14/04/2022 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Client:** | **Yarra Trams** | **Construction Process:** | Prepared by: | Reviewed by : | Approved by : |
| **Project:** |  | **Subgrade Preparation Roadworks** | Name: **Aaron Hatch** | Name: **Damon Bromwich** | Name: **Shaun Kent** |
| **Contract No:** |  | **Specifications:** Yarra Trams Infrastructure - Tram Track Construction CE-019-ST-0033  **Structure / Component:** Tram Tracks | Signed : | Signed : | Signed : |
|  |  | **Location:** | Date : 14/04/2022 | Date : 14/04/2022 | Date :14/04/2022 |

**Lot No: Lot Details: Lot Size/ Quantity:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Item No.** | **Task/Activity Description** | **Inspection / Controls and Verification Detail** | | | | | **HP/ WP/ AP/ IP/ TP/ SCP** | **Responsibility**  Project Engineer Site Engineer Superintendent Surveyor Foreman | **Checked by:** | | | |
| **Frequency** | **Acceptance Criteria** | **Reference Documents** | **Inspection / Test Method** | **Record of conformity** | **Client** | **Fulton Hogan** | **FH's Sub- contractor** | **Date** |
| **1** | **Preliminary Works** | | | | | | | | | | | |
| 1.1 | Check for correct documentation | Prior to commencing any activity | Ensure that all employees and subcontractors are:   * using the correct and complete set of drawings * all drawings are the latest revision | Drawings and drawing registers | Visual inspection | This ITP signed off | **WP** | Fulton Hogan | N/A |  | N/A |  |
| 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, JSEA, SWMS & WP | PSP, EMP, TMP, JSEA, SWMS, WP | Visual Inspection | This ITP signed off | **WP** | Fulton Hogan | N/A |  | N/A |  |
| 1.3 | Selection and approval of disposal site | Prior to commencing any activity | Material removed from the site for disposal shall be moved to a site conforming to all statutory requirements & in accorance with Yarra Trams site classification report.  It shall be the Contractor's responsibility to locate a site and to arrange with and obtain permission from the authorities controlling disposal of  material at that location. | Site Classification Report, CE-019- ST-0033 CL.  4.2.1.5. | Verify | This ITP signed off | **WP** | Fulton Hogan | N/A |  | N/A |  |
| **2** | **Construction Works** | | | | | | | | | | | |
| 2.1 | Excavation | Each lot | Plant and equipment shall be appropriate for the task.  Excavation operations shall not disturb areas outside the limit of works. | CE-019-ST-0033 CL. 4.2.1.3. ,  4.2.4.  Subgrade Preparation Work Procedure | Verify | This ITP Signed Off | **IP** | Fulton Hogan | N/A |  | N/A |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Item No.** | **Task/Activity Description** | **Inspection / Controls and Verification Detail** | | | | | **HP/ WP/ AP/ IP/ TP/ SCP** | **Responsibility**  Project Engineer Site Engineer Superintendent Surveyor Foreman | **Checked by:** | | | |
| **Frequency** | **Acceptance Criteria** | **Reference Documents** | **Inspection / Test Method** | **Record of conformity** | **Client** | **Fulton Hogan** | **FH's Sub- contractor** | **Date** |
| 2.2 | Reinstatement of bonds |  | Extreme care shall be taken when excavating near bonds connected to electrical assets or negative feeder cables.  All bonds excavated during track repair or earthworks shall be reinstated as per the  relevant Standard Drawing. | CE-019-ST-0033 CL. 4.2.4.1. | Verify | This ITP Signed Off | **IP** | Fulton Hogan | N/A |  | N/A |  |
| 2.3 | Inspection of subgrade material | Each lot | Soft areas identified by the Superintendent shall be removed and replaced with approved fill and compacted in accordance with the standard. | CE-019-ST-0033 CL. 4.2.5.1. | Verify | This ITP Signed Off | **HP** | Fulton Hogan Engineer & YarraTrams  Superintendent |  |  | N/A |  |
| 2.4 | Width and level conformity | Each lot | The finished surface level of the completed formation shall not vary more than 25 mm above or below the levels shown on the drawings. No point in the general surface shall vary more than 12mm from a 3m straight edge.  Finished formation widths shall not vary more than -0 mm, +50mm from dimensions shown on the drawings | CE-019-ST-0033 CL. 4.2.2. | Survey Report | Survey Record | **IP** | Surveyor/ Fulton Hogan Engineer | N/A |  | N/A |  |

**Final Inspection**

The signature below verifies that this ITP has been completed in accordance with the FH’s Quality system Procedures and verifies lot compliance with specifications.

Print Name:

Position:

Signature:

Date:

/

/

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