Fulton Hogan	Inspection and Test Plan - Control and Supervision of the Works	Document # FHC-ITP-015 Revision : 2 Date : 08/04/2023

Client:	Yarra Trams	**Construction Process:**	Prepared by:	Reviewed by :	Approved by :
Project:	St Kilda Road Tram Track Renewal	*Kerb and Channel*	Name: **Cedric Guico**	Name: **Charles Bate**	Name: **Shaun Kent**
Job No:	8B4500	**Specifications:** YT Specs / Vic Roads			
		Structure / Component: Kerb and Channel	Signed : CG	Signed :	Signed :
		Location: St Kilda Road	Date : 08/04/2023	Date : 08/04/2023	Date : 08/04/2023

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

Item No.	Task/Activity Description	Inspection / Controls and Verification Detail					HP/ WP/ AP/ IP/ TP/ SCP	Responsibility	Checked by:			
		Frequency	Acceptance Criteria	Reference Documents	Inspection / Test Method	Record of conformity		Project Engineer Site Engineer Superintendent Surveyor Foreman	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	ITP Signed	**HP***	Site Engineer/ Site Foreman	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: PMP, CMP, EMP, ECP , ERA, QMP, SWMS	OHSCP, PHSCP, PCMP, EMP, ECP, CEMP, ERA, QMP, CHMP, SWMS	Visual inspection	ITP Signed	**HP***	Site Engineer/ Site Foreman	N/A		N/A	
2	**Construction Works**											
2.1	Setting Out	Prior to start	Set out work in accordance with drawings. The superintendent will review and confirm set out. The alignment and survey/level pegs will be indicated to the Contractor on the Site by the Superintendent prior to the commencement of work. No survey/level pegs to be removed by any persons until completion of works.	703.17	Verify	ITP Signed	**HP**	Site Engineer/ Superintendent			N/A	
2.2	Temporary Drainage Provisions	If Required	If obstructing waterways, culverts or channels, temporary diversion of discharge of drainage and stormwater to be in place.	703.18	Visual inspection	ITP Signed	**WP**	Site Engineer/ Site Foreman	N/A		N/A	
2.3	Bedding	Each lot	Unless otherwise stated, 20mm Class 2 bedding shall be used and compacted to a thickness of not less than 100mm. Bedding shall be trimmed to appropriate levels, moistened as necessary, and be firmly compacted.	703.21	Visual inspection	ITP Signed	**WP**	Site Engineer/ Superintendent	N/A		N/A	
2.4	Pre-concrete check	Each lot	Bedding shall be moist but shall have no free water on the surface. Concrete shall not be placed when the air temperature measured at the point of placement is >35°C or <5°C.	703.08 610.17(a)(b)(c)	Verify	ITP Signed	**HP*/ WP**	Site Engineer/ Superintendent	N/A		N/A	

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2.5	Concrete Placement	Each lot	Concrete is to be fed to extrusion machine at a uniform rate. Concrete is to be satisfactorily compacted so that finished surfaces are free from surface pitting larger than 5mm diameter, honey combing or faulty patches	VicRoads Spec 703.23	Site Inspection	ITP Signed	**IP**	Site Engineer	N/A		N/A	
2.6	Finish Surfaces	Each Lot	Edgings: rendered to a thickness not exceeding 3mm and trowel finished. Concrete to have a neat appearance and uniform colour.	703.25	Visual inspection	ITP Signed	**IP**	Site Engineer/ Site Foreman	N/A		N/A	
2.7	Tolerances	Each Lot	Kerb and channel shall be constructed to the level of the adjoining pavement with a tolerance of -0 to +10 mm. Except on curves or in shaped areas, the deviation of the finished work from a 3 m straightedge shall not exceed 5 mm at any point.	703.15(b)	Verify	ITP Signed	**SCP**	Site Engineer/ Surveyor	N/A		N/A	
2.8	Joints	Each joint	Transverse joints constructed at intervals not exceeding 2.5m. Groove cut 20mm deep and > 5mm wide on exposed surfaces, with vertical cut made through the base of the groove (depth >50mm from surface of section). Prevent bonding between surfacing and edging either paint with bitumen or use a strip of bitumen	703.26	Verify	ITP Signed	**IP**	Site Engineer/ Site Foreman	N/A		N/A	
2.9	Backfilling	Each Lot	Topsoil material free from perishable matter, lumps or balls of clay. Topsoil compacted behind the edging to a level of the top of the edging and to a width not less than 300mm unless otherwise specified. Layers shall not exceed 150mm compacted depth.	703.29	Verify	ITP Signed	**IP**	Site Engineer	N/A		N/A	
3	**Completion**											
3.1	Survey data captured for as-built purposes	Completion of each lot	Survey to ensure and validate that all works meet level requirements. Review of existing survey control marks and any additional control marks providing verification of conformity of as constructed features with design. As built survey recorded to confirm installation within tolerances in the latest IFC drawings.	IFC Drawings / survey records	Document review	As-built survey records	**SCP**	Project Engineer/ Surveyor	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			