
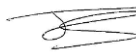


	<b>Inspection and Test Plan - Control and Supervision of the Works</b>	<b>Document #</b> <b>FHC-ITP-003</b> Revision : 1      Date : 23/01/2024
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<b>Client:</b> MRPA <b>Project:</b> FITZGERALD ROAD CARPARK <b>Job No:</b>	<b>Construction Process:</b> <i>Preparation of Subgrade</i> <b>Specifications:</b> VicRoads Standard Specification Section 204 <b>Structure / Component:</b> Pavement <b>Location:</b> Fitzgerald Road Level Crossing Removal Project	<b>Prepared by:</b> Name: Fynn Riddick Signed :  Date : 18/01/2024	<b>Reviewed by :</b> Name: Justin Sciacca Signed :  Date : 25/01/24	<b>Approved by :</b> Name: Signed : Date :
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<b>Lot No:</b>	<b>Lot Details:</b>	<b>Lot Size/ Quantity:</b>
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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	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: OHSCP, PHSCP, PCMP, EMP, ECP, CEMP, ERA, QMP, CHMP, SWMS	OHSCP, PHSCP, PCMP, EMP, ECP, CEMP, ERA, QMP, CHMP, SWMS	Visual Inspection	This ITP signed off	HP*	Site Engineer / Site Foreman	N/A		N/A		
2	Construction Works												
2.1	Survey Set-Out	Prior to commencement of excavation	Area has been set out in accordance with the drawings	Drawings, Work Procedure	Verify	This ITP signed	IP	Site Engineer/ Surveyor	N/A		N/A		
2.2	Excavation Permit	Each lot	An excavation permit must be issued prior to any excavation commencing. Plant and equipment shall be appropriate for the task. Excavation operations shall not disturb areas outside the limit of excavation	Excavation permit	Verify	This ITP Signed Off	HP*	Site Engineer	N/A		N/A		

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2.3	Subgrade Material Properties	Each Lot	In situ material within 400mm of cut floor level to be consistent with Type B. i.e. CBR>assigned value (must be greater than 2), Swell < 2.5%.  If parameter met rip and re compact 150mm. If parameters not met remove 400mm of material and replace with conforming type B.	204.06 (e)	Test Point	Test Reports	TP	Site Engineer	N/A		N/A	
2.4	Inspection of Subgrade Material	Each lot	Prior to commencing excavation in any area and during excavation work, the Superintendent and the Contractor shall inspect each type of material encountered and subject to verification by appropriate laboratory testing, agree on the category of the material in accordance with Clause 204.04	204.06 (c)	Verify	This ITP Signed Off	HP	Site Engineer/ Superintendent			N/A	
2.6	Acceptance of Rock Subgrade (when applicable)	Prior construction of the regulating layer	Prior to construction of the regulating layer, the areas of rock subgrade shall be presented to the Superintendent for acceptance. Any necessary amendments to the subsurface drainage design including transverse subsurface drainage at the interfaces shall be presented to Superintendent for review.	VicRoads Spec. Cl. 204.06(f)	Site Inspection/ Document Review	Superintendent acceptance  Signed ITP	HP	Site Engineer/ Superintendent			N/A	
2.7	Unsuitable Material	Each Lot	Where Unsuitable material is encountered, proposed in-situ treatment must be submitted to the superintendent for review.	204.07 (d)	Visual Inspection	This ITP Signed Off	HP	Site Engineer/ Superintendent			N/A	
2.8	Groundwater	Each Lot	Where groundwater is encountered the contractor shall notify the superintendent and submit proposed action for review. The Contractor shall submit any necessary approvals from relevant authorities for the treatment and disposal of this groundwater The level at any point on the subgrade shall not lie more than 20 mm below a 3 m straightedge laid in any direction, except across a crown and water shall not pond at any point. Random level assessments shall not be undertaken in lots not exceeding 4000 m2. Level tolerances: <b>Range x = +15, -30mm</b> <b>Max S = 12 mm</b> 40 measurements per lot (Scale B)	204.06 (h)	Visual inspection	This ITP signed off	HP	Site Engineer/ Superintendent			N/A	
2.9	Trimming and Level conformity	Each Lot	The level at any point on the subgrade shall not lie more than 20 mm below a 3 m straightedge laid in any direction, except across a crown and water shall not pond at any point. Random level assessments shall not be undertaken in lots not exceeding 4000 m2. Level tolerances: <b>Range x = +15, -30mm</b> <b>Max S = 12 mm</b> 40 measurements per lot (Scale B)	204.03(f)(g)(h)	Survey Report	Survey Record	SCP	Site Engineer/ Surveyor	N/a		N/A	
<b>3</b>	<b>Testing</b>											
3.1	Proof Rolling	Each Lot	Proof rolls to be conducted in accordance with Section 173 of the VicRoads Standard Specification	Section 173	Visual Inspection	This ITP signed off	HP* WP	Site Engineer/ Superintendent			N/A	

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3.2	Minimum Testing	Each Lot	Testing of every lot shall continue until three consecutive lots of like material and work have achieved the specified requirements in the first test. After satisfying this requirement and establishing a compaction procedure to the satisfaction of the Superintendent, the Contractor may seek the Superintendent's agreement to reduce the frequency of testing of subsequent lots to the minimum requirements specified in Table 204.142	204.14 c	Test Point	This ITP signed off	HP* WP	Site Engineer/ Superintendent			N/A	
3.2	Compaction Testing	Each Lot	Ripped and re-compacted material below Cut Floor Level = minimum compaction 98% SDD.  Type B Material placed within 400 mm of top of Type B Material = minimum compaction 95% SDD.  Type B material 400mm below the top of Type B material and Top 150mm of where fill is to be constructed = minimum compaction 95% SDD.	Table 204.131	Test Point	Test Records Lot Register	TP	Site 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

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