Fulton Hogan	Inspection and Test Plan - Control and Supervision of the Works	Document # ITP-013 Revision : 1 15/02/2024

Client:	**DTP**	**Construction Process:**	Prepared by:	Reviewed by :	Approved by :
Project:	**Auburn Road - Hawthorn**	***Subsurface Drainage***	Name: Ruby Lewis	Name: Cameron Beattie	Name: Cameron Beattie
Contract No:		**Specifications:** VicRoads Standard Specification Section 702.	Signed :	Signed :	Signed :
		Structure / Component: Drainage	Date : 15/02/2024	Date : 15/02/2024	Date : 15/02/2024
		Location:			

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	**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: QMP, TMP, JSEA, SWMS & ITP	QMP, TMP, JSEA, SWMS, ITP	Visual Inspection	This ITP signed off	**HP***	Site Engineer / Site Foreman	N/A		N/A	
1.3	Material Classification	Each Lot	**Subsurface drainage pipes**: 100mm DIA Class 1000 corrugated perforated plastic pipe- with a perforation size of maximum 1.5mm width and minimum length of 150 mm per m^2. **Granular filter material for bedding and backfill**: Trench backfilled with no fines concrete filter medium complying with Cl 702.05 **Geotextiles:** Shall comply with Cl 702.06. **Subsurface drain pits:** All subsurface drain pits shall be Type S1 to the specification of SD 1611 **Pit Lids:** Type M3 circular lid (as per SD 1051) for Type S1 pit **Flushout risers**: constructed to the detail of SD 1631	Cl 702.04 Cl 702.05 Cl 702.06	Verify	This ITP signed off	**WP**	Site Engineer	N/A		N/A	
2	**Construction Works**											
2.1	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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2.2	Excavation of Trench	Each Lot	Bottom of trench shall be compacted and at a depth no more than 50mm below the specified pipe invert. Grade of the base of the trench shall not allow ponding of water Any loose material shall be removed. To be inspected by Superintendent	Cl 702.08	Visual Inspection	This ITP signed off	HP	Site Engineer/ Superintendent			N/A	

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2.3	Placement of bedding	Each Lot	Bedding of granular filter material of thickness between 25 mm and 50mm placed across bottom of trench and screeded or graded to level	Cl 702.09 (c)	Visual Inspection	This ITP signed off	**IP**	Site Engineer / Site Foreman	N/A		N/A	
2.4	Placing pipes and geofabric (if required)	Each Lot	Pipes placed centrally in trench and held firmly in place positioned with openings at the lower half of the pipe. If geofabric required as per Cl 3030.07 (subsurface drains installed in expansive materials), minimum width of geotextile used for wrapping is 450 mm	Cl 702.09	Visual Inspection	This ITP signed off	**WP**	Site Engineer / Site Foreman	N/A		N/A	
2.5	Placement of granular backfill	Prior to backfilling	Filter material shall be moistened and compacted with minimal disturbance to pipes. The method of compaction shall be in accordance with the procedures and reviewed by the Superintendent.	Cl 702.09	Visual Inspection	This ITP signed off	**HP**	Site Engineer/ Superintendent			N/A	
2.6	Placement of backfill	Each Lot	Granular filter material placed and compacted compacted in layers not exceeding 300mm with minimal disturbance to pipes. Concrete is to be placed and compacted within one hour of mixing	Cl 702.09 (g)	Visual inspection	This ITP signed off	**IP**	Site Engineer / Site Foreman	N/A		N/A	
2.7	Install Pits and Flushouts	Each Lot	Installed in accordance with drawings and Cl 702.10	Cl 702.10	Verify	This ITP signed off	**WP**	Site Engineer / Site Foreman	N/A		N/A	
2.8	Flushing Test	At completion of stage	Flushing test shall be witnessed by a representative nominated by the superintendent and shall confirm that the drainage line is free of obstruction. To be complete after installation of kerb and channel, barriers and road furniture.	Cl.702.09(h)	Site inspection	Signed ITP/ Record of flushing tests	**WP**	Superintendent / 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

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 FHDB	**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			