Fulton Hogan	Inspection and Test Plan – Construction of Verges	Doc ID: R44-VER-ITP	
Client: Iluka Resources Limited		**Prepared By: Simon Welsh**	**Date: 15/10/2024**
Project: Public Roads Upgrade		**Reviewed By: Joshua Kliemnt**	**Date: 11/11//2024**
Construction Process: Construction of Verges		**Approved By: Simon Jaworksi**	**Date: 11/11//2024**
Specifications: ETS100, 101, 102			
Structure / Component:			

Item No.	Task/Activity Description	Inspection/Test					Type	Responsibility	Checked/Verified by (initial/Date):			
		Frequency	Acceptance Criteria	Reference Documents	Inspection / Test Method	Record of conformity			TfNSW	Fulton Hogan	PV	Date
1	Preliminary											
2	Survey pick up prior to place verge material, surveyor to save model file	Each Section	▪ Establish Pegs or equivalent to identify the extent of verges ▪ Survey pick up prior to place verge material and save to model file	R44/A1		Verification Checklist	IP	Surveyor				
3	Materials											
4	Verify compliance of materials to be used in verges	Each Stockpile	▪ Grading of material imported for the verges must meet the requirements of TfNSW D&C 3071 for Selected Material Type B ▪ CBR_4 ≥19 ▪ PI between 6 to12 ▪ Where safety barriers, posts, subsurface drainage or services are to be installed, particle size to be ≤100mm ▪ Minimum frequency of stockpile testing as per TfNSW D&C 3071 Annexure 3071/L ▪ Site won Verge material -have a CBR and PI as stated in annexure R44/A2.2 -free from stone larger than 53mm max Particle dimension. - have no less than 50% passing the 19.0mm ▪ Imported verge material -have a characterised CBR and PI as stated in annexure R44/A2.2.	R44.2.8.6.2 R44/A2.2 D&C 3071 Annexure 3071/L	T106 T117 T09	EWKS-MAT Lot	IP	Materials Engineer				
5	Obtain material approval to placement of material for the verges	Each Lot	Submit a Hold Point to the Project Verifier that proposed location, quantities and type of material, and verification of conformity. Verification that all possible sources of the material within the site have been exhausted, if imported verge material is proposed.	R44.6.2		Hold Point	HP	Site Engineer		PV		
6	Construction											

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7	Place, spread and compact verge material	Each Lot	▪ Visual check material moisture content is acceptable ▪ Placed parallel to the grade line in 100 – 200mm layers ▪ 98% std compaction @ 60-90% OMC ▪ For verge adjoining to concrete pavement, placement only after 10 days of concrete pour and joints sealed	R44.6.2 R44.7.2	T166	Test Report	TP	Site Engineer				
8	**Completion**											
9	Trim the top of the verge layer to specified levels	Per Area	▪ Tolerance to be within +0/-20mm of design ▪ Clear loose materials laying on the surface following the backfilling of the edge and outlet drains	R44.7.7	Survey	Survey Report	SC	Survey				
10	Covering up of work subject to a conformity verification survey.	Per Lot	▪ Survey Report verifying conformity.	G71.5.6.6	Survey	Hold Point	SU	Survey or		HP		

Legend:

HP	Hold Point	Work shall not proceed past the HP until released by the Project Verifier	**IP**	Inspection point	Formal Inspection to be done and recorded
HP*	FH 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 Project Verifier	**SCP**	Survey conformance point	A qualified surveyor to check product/section/structure and report
AP	Approval Point	Written or verbal approval given by the Project Verifier	**SC**	Survey Check	

Notes