

Site Preparation and 2023 Planting Season ITP  
Te Ara o Te Ata  
ITP # MMA-QA-ITP-PW-LD-TM001

This ITP has been prepared by				Reviewed by Quality Manager			Reviewed by DSR			Approved by Construction Manager		
Rev Number	Name	Signature	Date	Name	Signature	Date	Name	Signature	Date	Name	Signature	Date
Rev 01	Matt Richardson	M.R	21/02/2024	Ramy Faragalla	<i>R Faragalla</i>	21/02/2024	Wade Lipsham	<i>Wade Lipsham</i>	13/03/2024			
Rev 02	Matt Richardson	<i>M.R</i>	28/02/2024				Lisa Rimmer	<i>Lisa Rimmer</i>	13/03/2024			
Rev 03	Michael van Prehn	<i>Michael van Prehn</i>	24/06/2024	Ramy Faragalla	<i>R Faragalla</i>	24/06/2024	Wade Lipsham Lisa Rimmer	<i>Wade Lipsham</i> <i>Lisa Rimmer</i>	11/7/2024	Hardus Pieters	<i>Hardus Pieters</i>	11.07.2024

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Project: Te Ara o Te Ata

Verification Method: Hold [H] – work will not proceed past Hold Point until released by organisation imposing hold;  
Inspection [I] – formal inspection activity to be undertaken and recorded; ensure correct verifying records are in place;  
Witness [W] – an inspection that may be witnessed by organisation imposing hold; allow reasonable notification period;  
Review [R] – review of reports, records or other evidence of compliance.

Responsibilities  
PE = MTM Alliance Construction  
TWD = Temporary Design Team

## Activity/Specification: Planting and weed control

Area Location : 2023 Season - RP-04 (590 plants - incomplete), RP-05 (12695 plants - complete) &amp; RP-07 (3642 plants - complete)

Item	Construction Step or Material	Specifications and Standards	Acceptance criteria and testing			Method (H,I,W,R) Responsible [tick]				Verifying Records Checklists, Test and Supplier Certificates
			Method/Description	Test frequency	Conformance Criteria	Contractor	Landscape Architect	Client	Lab	

## 1.0 Pre-Construction - Preliminary Inspections and Tests

## 1.1.0 Pre-construction approvals

1.1.1	Provide work plan to the Landscape architect.	MMA-DES-UDL-E1-DRG-1000_1017 - Planting design drawings MMA-DES-UDL-E1-SPC-8212- Landscape Specification (Quality Control, 2.6.1)	The builder will produce a Landscape Treatment Programme Plan listing polygons from MMA-DES-UDL-E1-DRG-1000_1017 that are ready for planting, and assign approximate planting dates to each polygon.	Annually - pre planting season	Plan has been submitted and approved the landscape architect		H			Work programme signed off by Landscape Architect.
1.1.2	Plant selection	MMA-DES-UDL-E1-SPC-8212- Planting schedules	Plants selected are reflective of the specification and approved by the Landscape Architect.	Annually - pre planting season	Plant species eco-sourced and suited to the environment they will installed in, as per design drawings. Project Ecologist to approve species list prior to planting season		H			Plant species memo issued by Landscape Architect to confirm eco-sourcing. Planting verification checklist signed off.
1.1.3	Boundary fencing installed	MMA-ENV-DEP-37319- Fencing design drawings	Planting areas identified near property boundaries are to be stock-proof fenced prior to planting.	Prior to planting	Stock proof fence installed: Y / N / NA	R				Boundary fencing plan review MMA-ENV-DEP-37319 and relevant property agreements. Planting verification checklist signed off.
1.1.4	Vegetation clearance complete	MMA-DES-UDL-E1-SPC-8212- Landscape Specification (Vegetation clearing, 3.4.2)	Ensure all vegetation is cleared and removed (as required) from the planting area.	Prior to planting	Vegetation is cleared and area is plant able	W				Planting verification checklist signed off. Approval from ecologist required?
1.1.5	Plant and animal pest control	MMA-DES-UDL-E1-SPC-8212- Landscape Specification (Plant and Animal Pest Control, 4)	Invasive plant pest and pest animals to be controlled where required, prior to planting per polygon.	Annually - pre planting season	Pest control completed: Y / N / NA	W				Fencing ITP reviewed for nearby planting locations Planting verification checklist signed off.

## 1.2.0 Material compliance

1.2.1	Plant Acceptance: Inspect plants at Nursery	MMA-DES-UDL-E1-SPC-8212- Landscape Specification (Inspections, 5.6.3)	The Landscape Architect and Contractor will inspect the plantings growing in the nursery, prior to delivery to site.	One visit during the propagation stage (propagation nursery, Jan-May) One visit during planting season (growing nursery, July-November)	Correct species are propagated and in the growing phase Y / N / NA	W	W			Nursery inspection report from the Nursery detailing propagation and eco-sourcing records. Planting verification checklist signed off.
1.2.2	Plant Acceptance: Inspect plant delivery	MMA-DES-UDL-E1-SPC-8212- Landscape Specification (Delivery, 5.6.3)	Inspect plants on delivery to site, prior to planting. Reject plants based on incorrect species or health of the specimen Inspect the plants on site following transport to confirm they meet the works requirements. Any plants that are dead, dying, not true to name or size as specified, or not in satisfactory growth or have a matured root ball as determined by the builder shall be removed and replaced	Per delivery	All accepted plants are free from pests and diseases, materially undamaged, matured root ball, healthy and vigorous. Y / N / NA	H	W			Plant delivery dockets Planting verification checklist signed off.
1.2.3	Imported Growing material	MMA-DES-UDL-E1-SPC-8212- Landscape Specification (Formation of Growing Media 6.4.4) & Earthworks Specification	The Contractor shall notify Waka Kotahi (via the OIM) to confirm the need for imported material. The Contractor shall then confirm with the Landscape Architect required volumes of imported growing media for each treatment area, prior to sourcing and importing.	As required	Test report from an approved soil testing agency is provided to confirm that the material is complying with earthworks Specification.	H	H	H	R	Test report from an approved soil testing agency
1.2.4	Grass seed mix	MMA-DES-UDL-E1-SPC-8212- Landscape Specification (Grass seed mix, 8.2.1)	Grass Seed shall be as specified by a turfgrass specialist. Different seed mixes will be required for different types of sites.	As required	Grass seed mix is approved by the Landscape Architect		H			Approval of Grass seed mix by the Landscape Architect



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2.0 Construction										
2.1.0 Construction (in-process) Inspections and Tests										
2.1.1	Planting set out	MMA-DES-UDL-E1-SPC-8212- Landscape Specification (Setting out, 7.4.5)	The builder to do a visual assessment of the plant layout, ensuring spacing, species groupings, and species placement are acceptable and meet the environmental conditions that each polygon provides, prior to planting.	Per planting polygon	Alliance project expert has signed off the layout.	H	W			Planting verification checklist signed
2.1.2	Hydroseeding and grass establishment	MMA-DES-UDL-E1-SPC-8212- Landscape Specification (Formation of Growing Media, 8 & Hydroseeding Grassed Surfaces, 9).	Grass is established as per sections 8 and 9 in the landscape specification.	Per Grass polygon	Landscape Architect signs off grassed area as complete.		W			Planting verification checklist signed
2.1.3	Practical completion	MMA-DES-UDL-E1-SPC-8212- Landscape Specification	Information to be sent through to designer, illustrating design implementation. Correct species, planted correctly as per specification standards. Tracked via photos, verification checklist, and onsite inspections	Per planting polygon	Designer signs off verification checklist.	H	R			Planting verification checklist signed off.