



Waiu Street Cleanfill

Planting Specification 2016

14 Waiu Street, Wainuiomata
Wellington

1. General

Refer to Plan “Waiu Street Cleanfill Planting Plan”, by Hudson Associates, dated May 2016 for areas to be treated and planted.

2. Timing

Progressive planting each planting season (May - August) as earthworks are completed, and hydroseeded batters established.

3. Personnel

All personnel undertaking planting shall be experienced in planting.

4. Plant Supply

Plants are to be supplied by the contractor at the grades specified in the planting schedule. Plants must be eco-sourced from the Wellington area, from as close to the site as possible. The planting contractor shall liaise with the nursery to arrange delivery and advise the Engineer a minimum of 3 working days in advance where and when the plants will be delivered. The planting contractor is to advise the Engineer of any plants that upon delivery are not in an acceptable condition. Once the plants are delivered the planting contractor is then responsible for them.

5. Site Preparation

Grassed planting areas are to be spot-sprayed prior to planting in accordance with spray manufacturer’s instructions. Refer also to **7. General Planting Instructions** in this specification.

6. Plant grades

Plants are all to be supplied at grade PB3 in accordance with the plant schedule. The contractor is to notify the Engineer if PB3 grade is unable to be sourced for any species.



7. General Planting Instructions

The following specification applies to all planting:

- Prior to planting spot spray exotic weeds to a minimum diameter of 220mm x 220mm around each new plant location (or to fit the size of the Plant Guard weed matt protection being used) with Roundup/G2/Pulse/Sprayfast, complying with manufacturer's recommendations.
- Include organic marking dye in the spray mixture to enable sprayed areas to be seen immediately.
- A stand-down period in accordance with manufacturer's recommendations shall occur following spraying and prior to any planting. Plant within the centre of each sprayed area.
- All personnel undertaking applications of agrochemicals shall be Growsafe Certified. The Engineers representative shall be contacted immediately in the event of a chemical/hazardous substance spillage. The contractor shall be fully responsible for remedying the adverse effects of any agrochemical spill or spray drift.
- Planter holes shall be at least twice the radius and depth of the plant container, and filled with organic material at the time of planting.
- When planting, loosen the bottom of the hole, carefully remove the plant container, spread roots out in their natural position and plant.
- Backfill with organic material and apply suitable slow release fertiliser tablet as per manufacturer's instructions mixed with the organic material backfill for each plant.
- Firm each plant into the ground, ensuring the potted soil is even with ground level and that the stem is not buried.
- For each plant place a Place Guard unit (incorporating weed matt and plastic sleeve protection), to protect the plant from weeds and browsing pests.
- Keep the mats and the plants clear of any growth including grass, gorse and weeds for the maintenance period specified in this specification.
- Apply 12 Nitrophska Blue fertiliser (or similar approved by Engineer) under matting around each plant as per manufacturer's instructions at the end of years 1, 2, 3.

8. Pest Management

Use Plant Guard protection as specified under 7. General Planting Instructions, which incorporates a weed mat and plastic sleeve in one unit.



9. Rubbish

All rubbish and debris resulting from planting is to be continually collected and removed from site by the contractor. At no time shall any plant containers or bags blow around the site.

10. Maintenance Period

Maintenance is for 36 months from the time the work is completed or any portion of the completed work is accepted by the Engineer.

11. General Weed Control

The contractor shall undertake any operation or action in accordance with accepted normal horticultural practice to ensure the survival, health and optimum growth of all plants within the contract site as necessary.

The contractor is to ensure no spray drift occurs which may damage any native trees or shrubs. Any damaged native trees or shrubs shall be replaced by the Contractor at the Contractor's expense.

Plant mats and plant stems are to be kept free of all weeds, grass and gorse for the maintenance periods detailed in this specification. Throughout the maintenance period, no grass or weeds shall be allowed to grow or overhang within a 220mm radius (or the size of the weed mats used) of any native plant that is planted as part of this contract. Throughout the maintenance period, no gorse, blackberry broom or other weeds are to grow on the bank between the native plants that are planted as part of this contract.

Apply Nitrophoska blue fertiliser, as per manufacturer's instructions to each plant 12, 24 and 36 months after practical completion.

All vegetation suppression mats shall remain firmly secured to prevent blowing or flapping in the wind. Any ripped or missing mats shall be immediately replaced.

12. Replacements

Throughout the maintenance period, any plant that dies or becomes unhealthy that has been planted as part of this contract shall be removed and replaced with similar species. This includes any plant that dies as a result of the effects of any animals or pests. The replacement plant shall be PB3 size or similar (except Kanuka which may be Root Trainer) and planted during the following May through August by the contractor and maintained by the contractor until the end of the maintenance period. This shall be at the contractor's expense, except where the plants have been damaged by the wilful actions of other people. Replacements shall be planted at the same location using species and varieties specified in the schedule, unless directed otherwise by the Engineer.

The contractor is responsible for all pest control during the maintenance period.



At the end of the planting and maintenance period, all plants shall be healthy, vigorous, of a size suitable for their age, and growing in weed free conditions in accordance with the requirements of this specification.

13. Plant Monitoring

An appropriately qualified person will inspect the planting at the following times:

- Prior to planting to discuss the areas to be planted with the planting contractor
- During planting to inspect progress
- On completion of planting to verify completion
- Once every 3 months over the first year and then of the maintenance period thereafter, to monitor growth, weed control and verify replacement planting
- At the end of the maintenance period to verify replacement planting

14. Plant Schedule

Planting Area A has a total area of 2744m².

Planting Area B has a total area of 866m².

The total area of this planting treatment is 3610m².

Species Name	Common Name	Spacing	Size	Number Area A	Number Area B
Cordyline australis	Cabbage Tree	1m	PB3	137	43
Coprosma robusta	Karamu	1m	PB3	412	130
Kunzea ericoides	Kanuka	1m	RT or PB3	1372	433
Pittosporum eugenoides	Tarata/Lemonwood	1m	PB3	274	87
Pseudopanax arboreus	Puahou/Five-Finger	1m	PB3	412	130
Pseudopanax crassifolius	Lancewood	1m	PB3	137	43
TOTAL				2744	866

TOTAL PLANTS: 3610