

## PART 7: LANDSCAPE DESIGN AND PRACTICE

### 7.1 Scope

Add the following new paragraph at the end of the clause:

WDC has the following policy documents and guidelines:

- The Tree Strategy The Street Tree Policy
- Solar Protection Policy
- Guidelines for carriageway clearances (refer Tree Strategy)
- Landscape Corridor Plan

### 7.2 General

#### 7.2.1 Concept stage

Replace the first sentence last word to read:

Consultation with the TA on landscape design and construction at an early stage of the design development is required.

Commented [SC1]: Consultation is to be required instead of recommended as stated in 4404

#### 7.2.2 Compatibility with engineering design 7.2.3 Long-term public benefit

#### 7.2.4 Ecological, functional, and aesthetic opportunities Recreation reserves

Replace the first paragraph:

Landscaping and Planting are considered integral to sub-division design. Planting provides a range of ecological, functional, and aesthetic opportunities for environmental enhancement. The landscape design shall allow for sufficient planting to ensure that these opportunities are maximised.

Commented [SC2]: New

#### 7.2.5 Landscaping and planting Functional and aesthetic opportunities

Add the following to the end of the first paragraph:

The Landscaping opportunities can allow for innovative and site specific planting plans that do not necessarily conform to a more traditional avenue approach of planting.

Commented [SC3]: New

#### 7.2.6 Street landscaping

Add the following new clause:

Layout and density of planting shall be considered and approved by the TA at the planning stage as per Clause 7.2.1. Accepting that there will be a range of sub-division layout designs, where there are specimen trees to be planted, there shall be no fewer than at least one tree per two properties.

Commented [SC4]: Re-wording of deleted clause below.

Add the following:

One tree per two properties to be planted in road reserve. Trees to be planted outside alternative properties to create a zig-zag tree pattern along a road.

Landscape, including tree species selection and planting layout to have approval from WDC.

Commented [SC5]: Deleted – reworded above.

## 7.3 Design

### 7.3.1 Location

Replace the second sentence with the following:

Planting may include specimen trees, rain gardens, swales, and other amenity garden features.

**Commented [SC6]:** Removes edible gardens from planting, edible gardens are stated in 4404

#### 7.3.1.1 Add the following new paragraph at the end of the clause

Refer to WDC's identified Landscape Corridor Plan.

**Commented [SC7]:** Deleted

**Figure 7.1 Street tree planting clearances**

**Figure 7.2 Intersection sight distances for clear sight lines for landscaping**

### 7.3.2 Tree/plant size

### 7.3.3 Species selection

#### 7.3.3.1 Add the following new paragraph at the end of the clause

Refer to Street Tree Policy for guide to species selection by area.

**Commented [SC8]:** Policy no longer applicable, has been replaced.

### 7.3.4 New trees and road geometry Quality control

Add the following paragraph to the end of the clause:

Design shall allow for a minimum berm width of 1.5m to allow sufficient space for root development. Most importantly, the width allows for greater mitigation against interference to infrastructure, and allows for a greater species selection.

### 7.3.5 Planted grass areas, berms, swales, or rain gardens Landscaping structures

Add the following paragraph to the end of the clause:

Where swales are used in conjunction with tree planting, the berm shall be of sufficient width to allow for trees roots to reach maturity without compromising the water drainage capabilities of the swale. Alternative planting techniques may be required to ensure the integrity of swales is maintained eg use of planting pits.

**Commented [SC9]:** New

### 7.3.6 Species selection Irrigation

Delete the following sub clauses:

(a) and (h)

**Commented [SC10]:** New. 4404 amended matters to be considered

### 7.3.7 Grassing of berms

## 7.4 Construction

### 7.4.1 Introduction

#### 7.4.1.2 Replace second paragraph, second sentence with the following amended new paragraph

The developer is responsible (and maybe bonded) and shall be bonded for the routine maintenance and replacement of the planting including dead wooding, weed control, mulching, replacing dead trees, shrubs and plants, formative pruning and watering for a defined period of 24 months from the time of acceptance of as-built landscape plans by the TA WDC or issue of a s.224 completion certificate under the Resource Management Act 1991, whichever is later.

Commented [SC11]: Minor changes

- 7.4.2 **Soil and fertility**
- 7.4.3 **Weeds**
- 7.4.4 **Mulch**

#### 7.4.4.2 Planting grass areas

Replace first paragraph, first sentence with the following amended sentence:

Heavily compacted soils shall be ripped to a depth of 300mm with rip lines 0.5m apart, and rolled, before any laying of topsoil.

#### 7.4.4.4 Planting grass areas

Replace first paragraph, third sentence with the following amended sentence:

Other special purpose grass seed and plant species may be used in special areas such as swales and rain gardens according to the soil profile.

Commented [SC12]: New

#### 7.4.5 Juvenile tree planting

##### 7.4.5.3 Replace paragraph with the following new paragraph

Juvenile trees shall be of uniform size when planted out, and be a minimum grade of PB40 up to PB95. Trees shall be established in planter bags at the time of planting. Open ground and bare rooted trees shall not be used.

Commented [SC13]: Now 7.4.6.2

#### 7.4.6 General planting

##### Figure 7.3 Juvenile tree planting

##### Figure 7.4 Recommended tree tie configurations

#### 7.4.6.1 Specimen tree planting

Replace first paragraph, first sentence with the following amended sentence:

Specimen trees are defined as trees with a trunk diameter of 25mm to 100mm appropriate to species, when measured at 1400mm above ground level.

Add to the end of the first paragraph:

Refer to the Tree Strategy – Tree Planting specification.

#### 7.4.6.2 Specimen tree planting

Replace the paragraph with the following paragraph:

Specimen trees shall be sound, healthy, vigorous, and free of any defects. Juvenile trees shall be of uniform size when planted out, and be a minimum grade of PB40 up to PB95, depending on the berm width. Trees shall be

Commented [SC14]: New

established in planter bags at the time of planting. Open ground and bare rooted trees shall not be used.

Commented [SC15]: Was 7.4.5.3

A recommended height for specimen trees is 2.5m at the time of planting to aid early establishment unless the local conditions of a site require consideration of alternatives, for example, and exposed site may require small, well-hardened trees. Specimen trees between 1.5 – 2.5 m may be allowed with the approval of the TA.

Commented [SC16]: New

#### 7.4.6.3 Specimen tree planting

Add the following sentence after the first sentence:

Refer to the tree planting specification.

Replace (b) with the following sentence:

(b) Ground cultivated to a depth of 1m and a width of 0.5m to break up any compaction, fracture subsoil, and afford drainage to hard rock areas.

Commented [SC17]: New

#### 7.4.7 Pruning

##### 7.4.7.3 Replace paragraph with the following new paragraph

Pruning should be carried out at a time appropriate to the species.

Commented [SC18]: Deleted – essentially covered by 4404 now

#### 7.4.8 Restoration and tidy up