Karnak Reserve

Urban Forest Tree Planting Plans

For Consultation

4/11/2026

PREPARED FOR

Christchurch City Council

PREPARED BY

Awa Environmental Ltd
Christchurch | Wellington | Auckland
www.awa.kiwi

DOCUMENT REGISTER

DRG NO.	DESCRIPTION
L 01	EXISTING VEGETATION PLAN
L 02	HELLO HORNBY EVENT PLAN
L 03	TREE PLANTING ZONES
L 04	LOT BOUNDARY CROSS SECTIONS
L 05	LOT BOUNDARY/ SPORTS FIELD CROSS SECTIONS
L 06	PROPOSED INDICATIVE TREE PLANTING PLAN BASED ON FEEDBACK
L 07	EXISTING PLAN
L 08	PREVIOUS CONSULTATION PLAN
L 09	PROPOSED AMENDED CONCEPT PLAN
L 10	TREE PLANTING GUIDELINES
L 11	AVENUE TREES PHOTO EXAMPLE



LEGEND

Existing Features

- Existing Tree/ Vegetation
- Existing Path
- Site Boundary

Existing Services

- Stormwater
- Wastewater
- Water
- Orion Power Cable
- Overhead Lines
- Enable Fibre

Potential Tree Planting Areas

- 5m - 10m Trees Height Zone
- 10m - 15m Trees Height Zone
- 15m - 20m Trees Height Zone
- 20m+ Trees Height Zone

Rev.	Detail	App.	Date

Revisions

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Karnak Reserve

Drawing Title

EXISTING VEGETATION PLAN

Scale @ A3	Date
1:500	02/04/26

Project No.	Drawing No.
J001223	L 01

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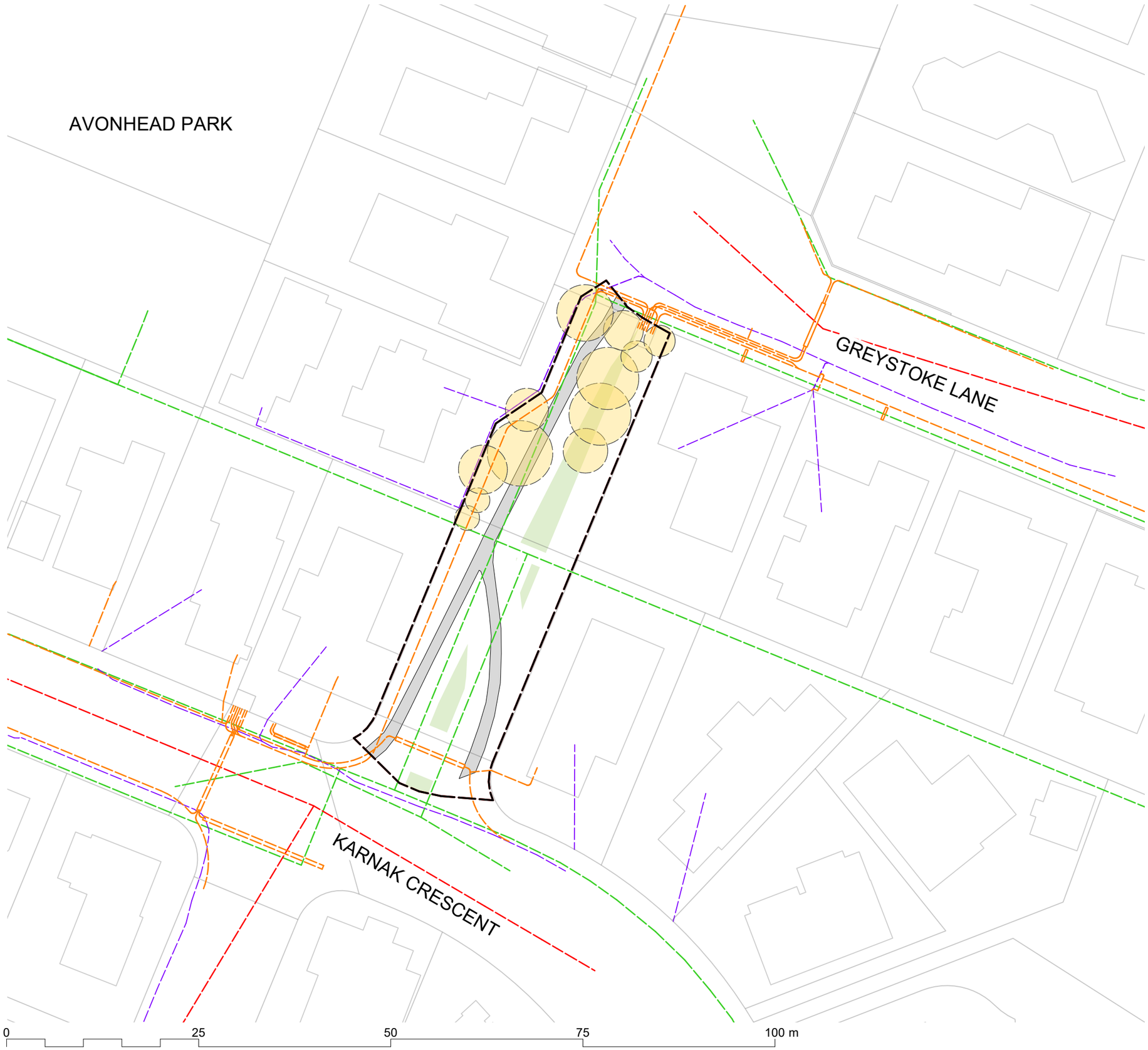

LEGEND

Existing Features

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TREE PLANTING ZONES

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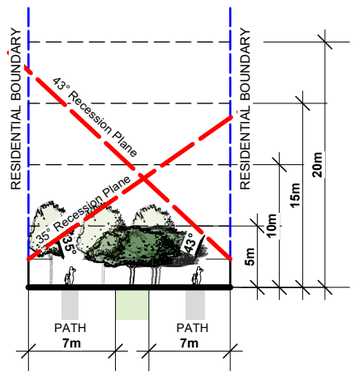
LOCATION PLAN. Scale: 1:1000

INDICATIVE CROSS SECTIONS THROUGH THE BOUNDARIES
Scale: 1:500



CROSS SECTION A - A

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LOT BOUNDARY CROSS SECTIONS

Scale @ A3	Date
AS NOTED	02/04/26
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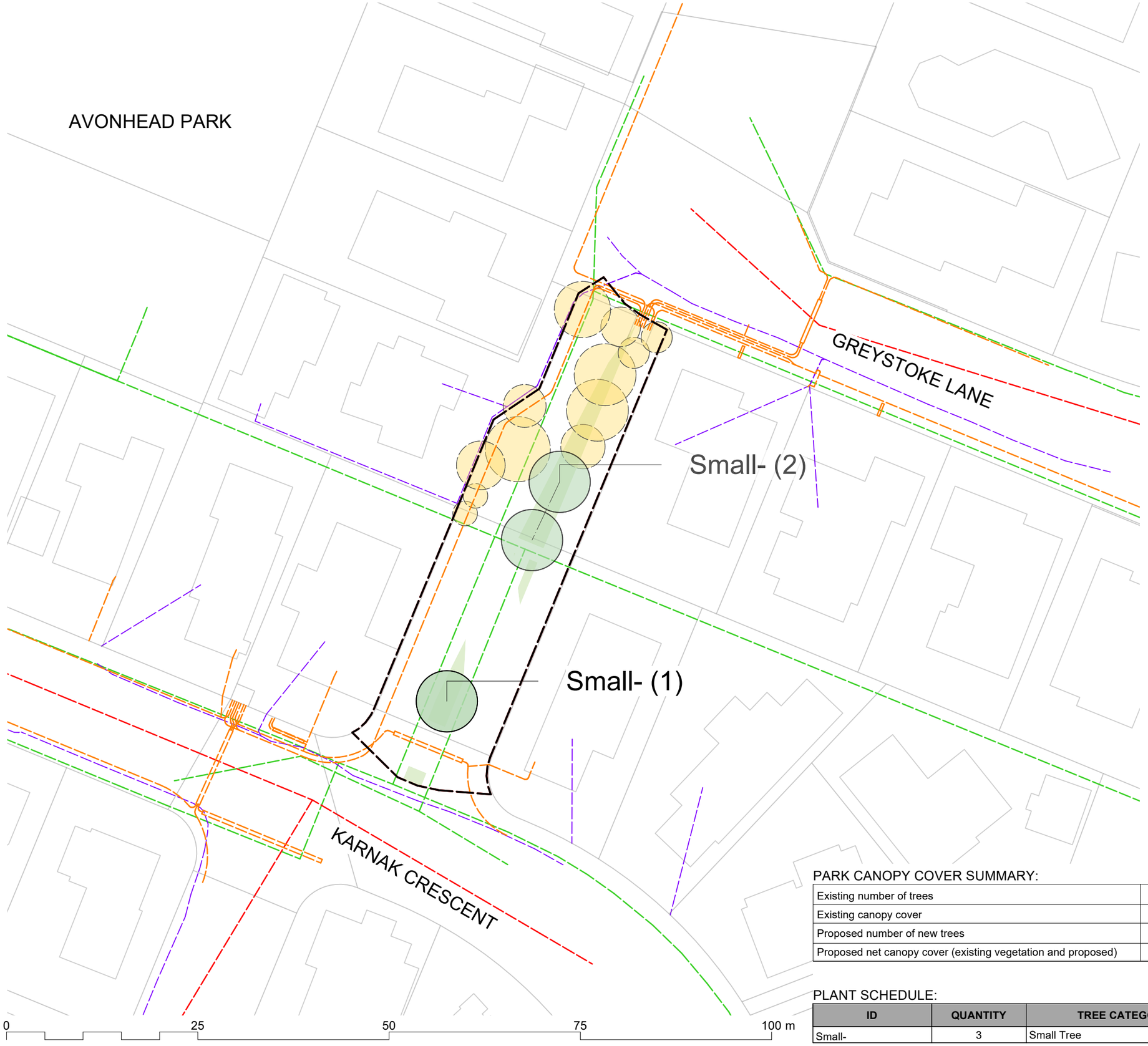

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NOTES

Refer to Tree Planting Guidelines on Sheet L 10.

PARK CANOPY COVER SUMMARY:

Existing number of trees		Unknown
Existing canopy cover	approx.	16.54%
Proposed number of new trees		3
Proposed net canopy cover (existing vegetation and proposed)	approx.	30.91%

PLANT SCHEDULE:

ID	QUANTITY	TREE CATEGORY	TREE HEIGHT
Small-	3	Small Tree	5-10m

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Drawing Title: PROPOSED INDICATIVE TREE PLANTING PLAN

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0 25 50 75 100 m

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Site Boundary

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EXISTING PLAN

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PROPOSED PLAN

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Guideline Summary

- Tree planting to Special Character Parks will continue the established theme.
- Trees will be positioned appropriately to allow for debris management.
- Tree species shall be well suited to the local conditions.
- Planting along waterways will be predominantly native species.
- CCC will aim for 40-60% of new tree plantings as natives.

Tree Setbacks & Spacings

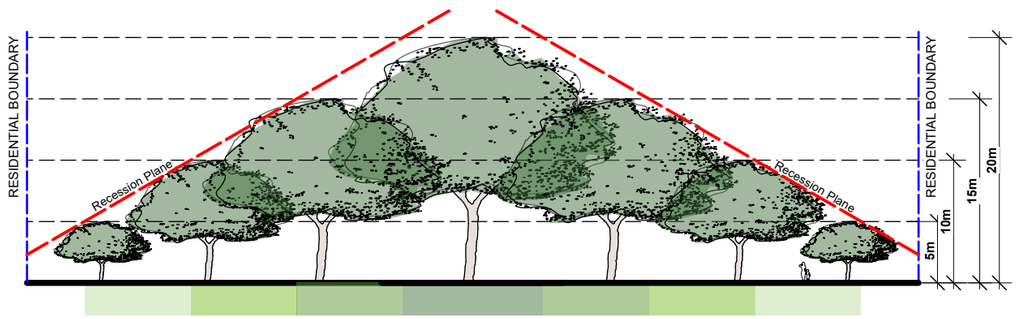
- No tree shall intrude through the recession plane at maturity.
- No tree shall be planted closer than 3.0m from a pathway.
- No tree shall be planted closer than 5.0m from a sports field and no tree canopy drip line shall extend above a sports field.
- Tree spacings shall be a minimum of 5.0m apart to allow for easy lawn mowing.
- Min. 2m offset for low voltage power.
- Min. 3m offset for 11kv power.
- Min. 5m offset for 33-66kv.
- Min. of 1m offset for all other services and hard paving not mentioned above.



TREE PLANTING ZONES. Scale: 1:1000

TYPICAL TREE PLANTING PATTERN CROSS SECTION

Scale: N/A



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TREE PLANTING GUIDELINES

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