

ROSANNA RESERVE

Urban Forest Planting Study

8 Rosanna Place, Aranui, Christchurch 8061

DATE 31/10/2025
REF NO. 5586
REVISION A

ISSUE
PRELIMINARY

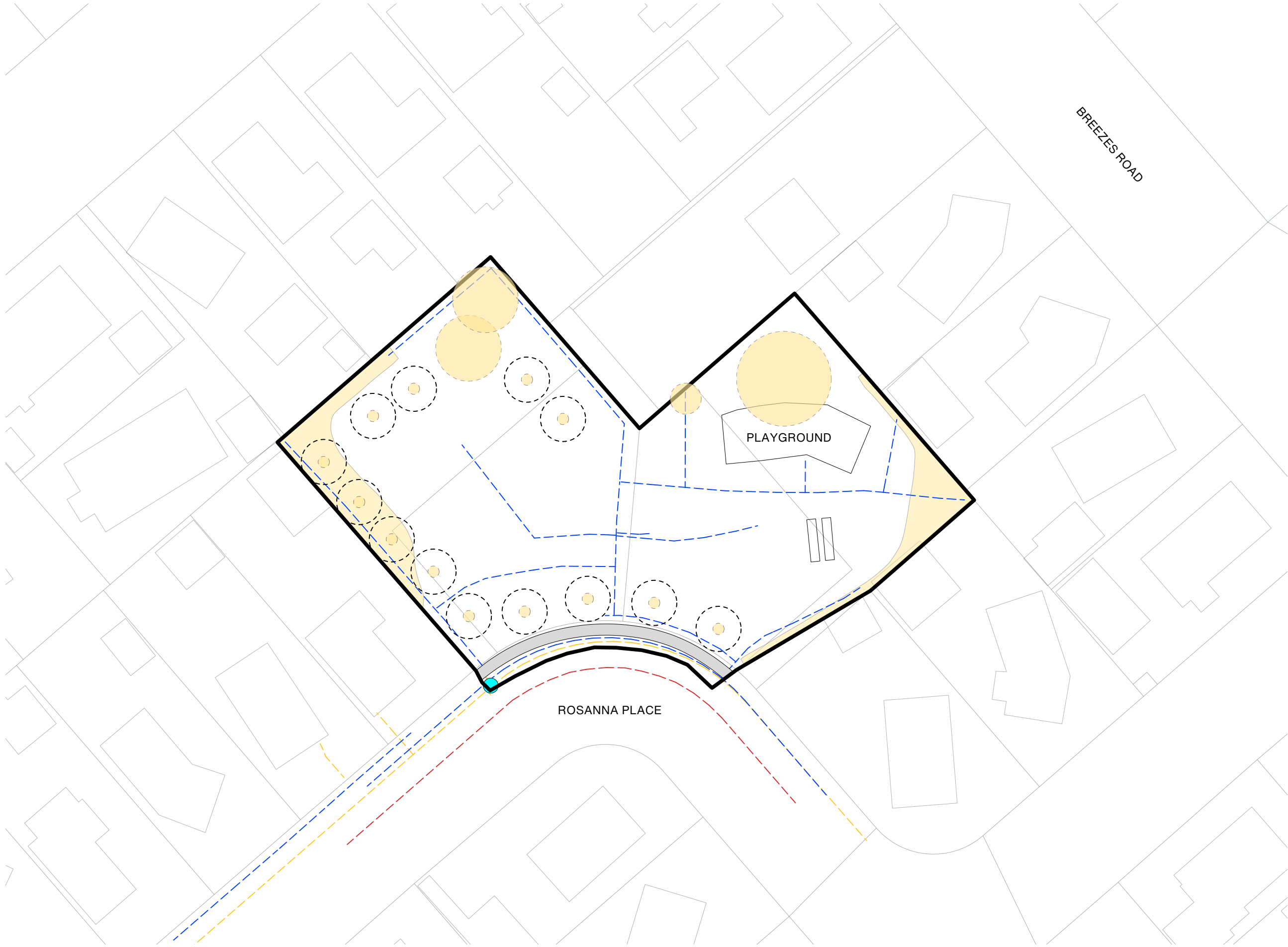
PREPARED BY

LANDSCAPE ARCHITECTS

Te Uruti Building, 48 Hereford St, Chch, 8140
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FOR
Christchurch City Council

SHEET NO.	SHEET TITLE
0000	Community Park Tree Planting Study
0001	Existing Planting
0002	Tree Planting Zones
0003	Tree Planting Zones - Lot Boundary Cross Sections
0004	Tree Planting Plan
0005	Tree Planting Plan - Design Intent
0006	Tree Planting Guidelines



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Christchurch City Council

LEGEND

- Site Boundary
- Existing Tree/ Vegetation
- Existing Tree - predicted mature canopy

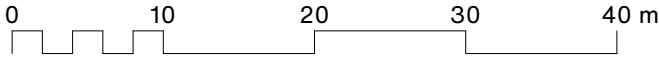
- Existing Services
- Wastewater
 - Water supply
 - Power (LV)
 - Light

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SHEET TITLE
Existing Planting

ISSUE PRELIMINARY		
DESIGN	DRAWN	REVIEW
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- Potential Tree Planting Areas
- 5m - 10m Trees Height Zone
 - 10m - 15m Trees Height Zone
 - 15m - 20m Trees Height Zone

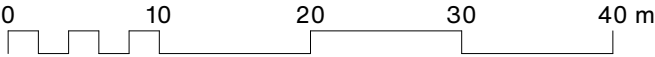
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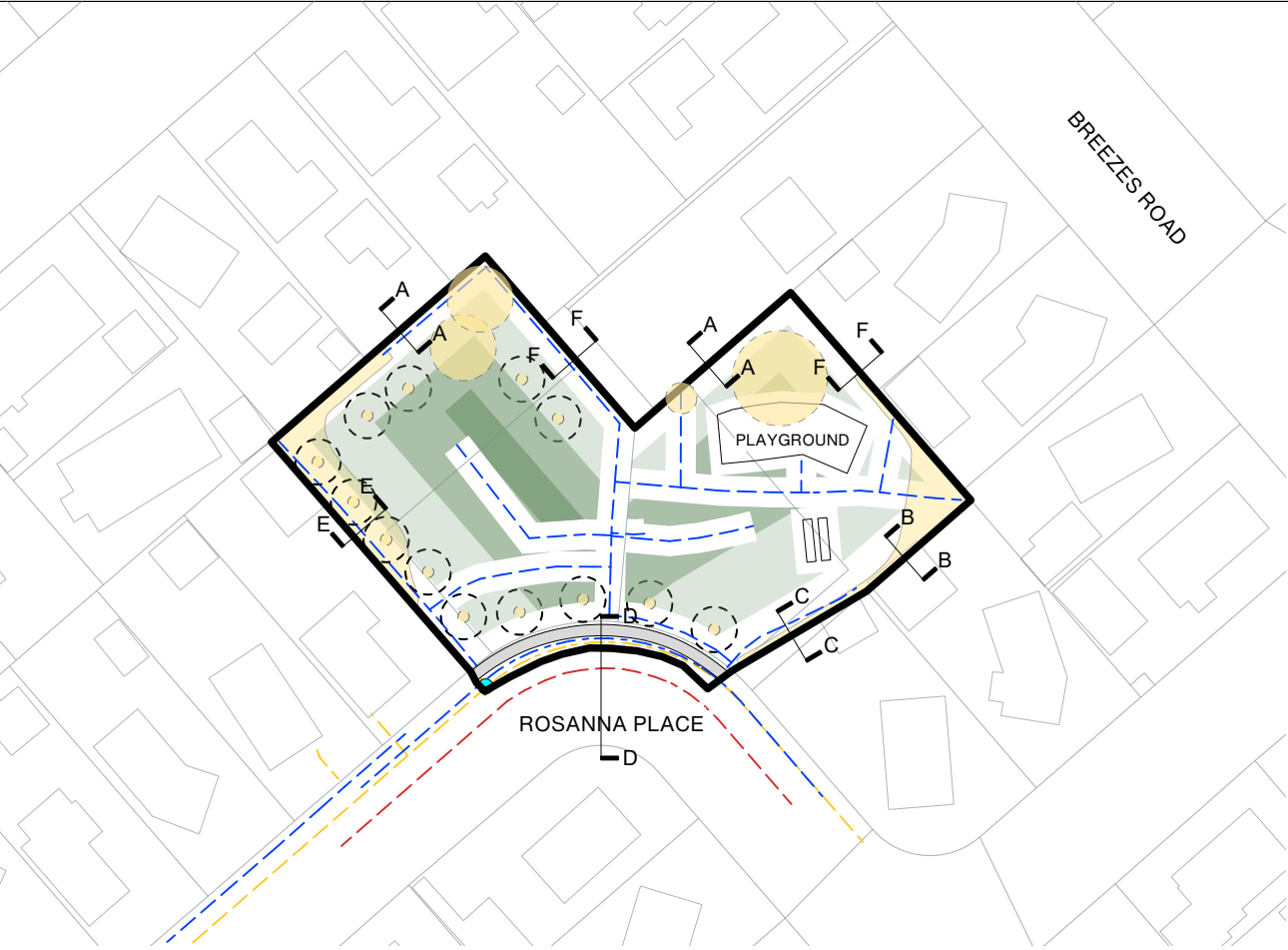
SHEET TITLE

Tree Planting Zones

ISSUE		
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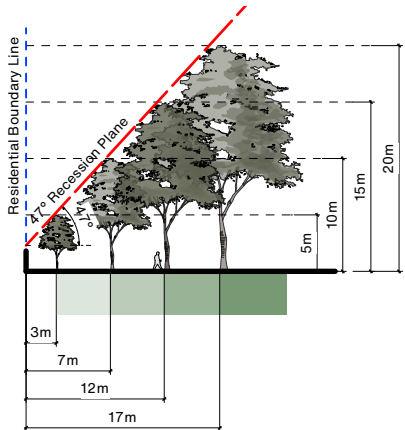
0002 A



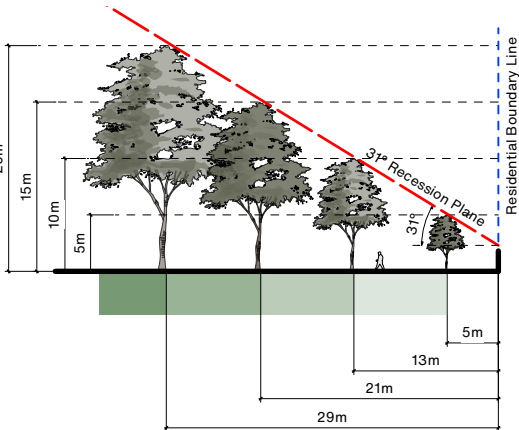


Location Plan @ 1:1000

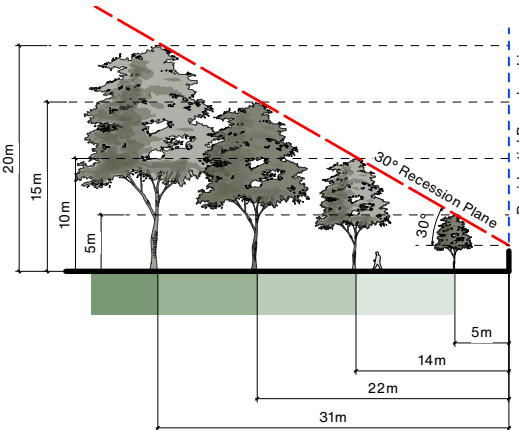
INDICATIVE CROSS SECTION THROUGH THE BOUNDARIES



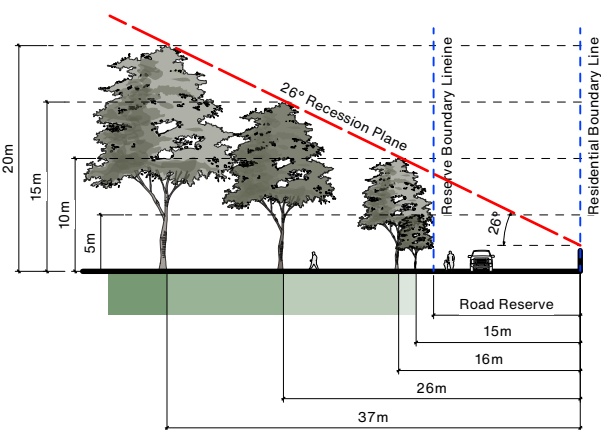
Cross Section A-A



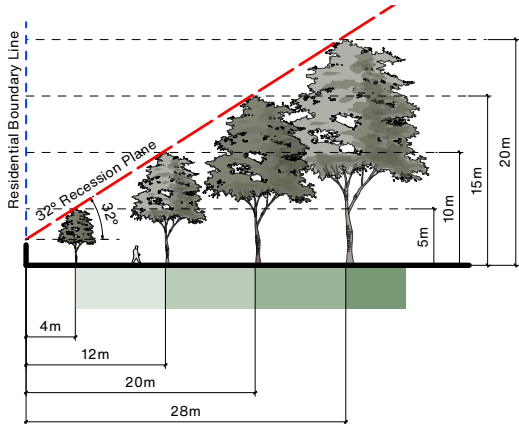
Cross Section B-B



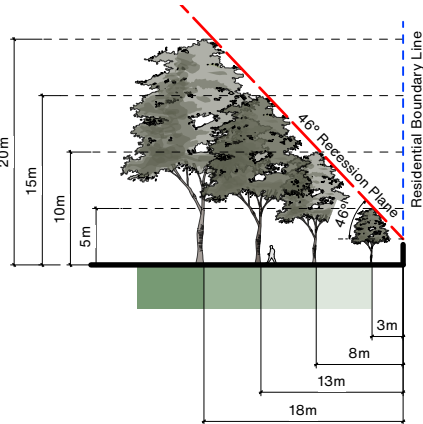
Cross Section C-C



Cross Section D-D



Cross Section E-E



Cross Section F-F

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Site Boundary

Existing Tree/ Vegetation

Existing Tree - predicted mature canopy

Existing Services

Wastewater

Water supply

Power (LV)

Light

Potential Tree Planting Areas

5m - 10m

Trees Height Zone

10m - 15m

Trees Height Zone

15m - 20m

Trees Height Zone

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SHEET TITLE

Tree Planting Zones - Lot Boundary Cross Sections

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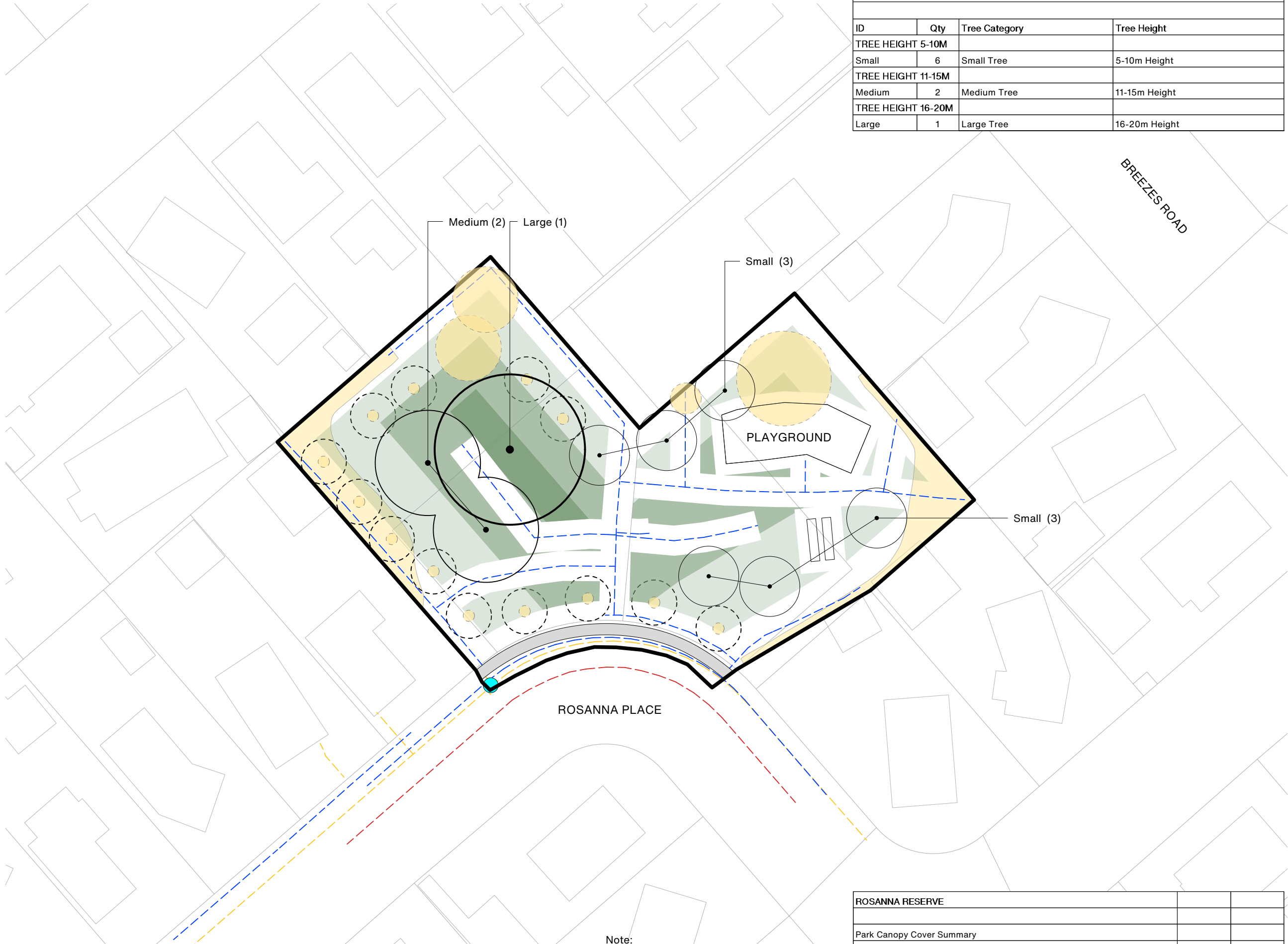
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SHEET NO.

0003

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PLANT SCHEDULE - ROSANNA RESERVE			
ID	Qty	Tree Category	Tree Height
TREE HEIGHT 5-10M			
Small	6	Small Tree	5-10m Height
TREE HEIGHT 11-15M			
Medium	2	Medium Tree	11-15m Height
TREE HEIGHT 16-20M			
Large	1	Large Tree	16-20m Height

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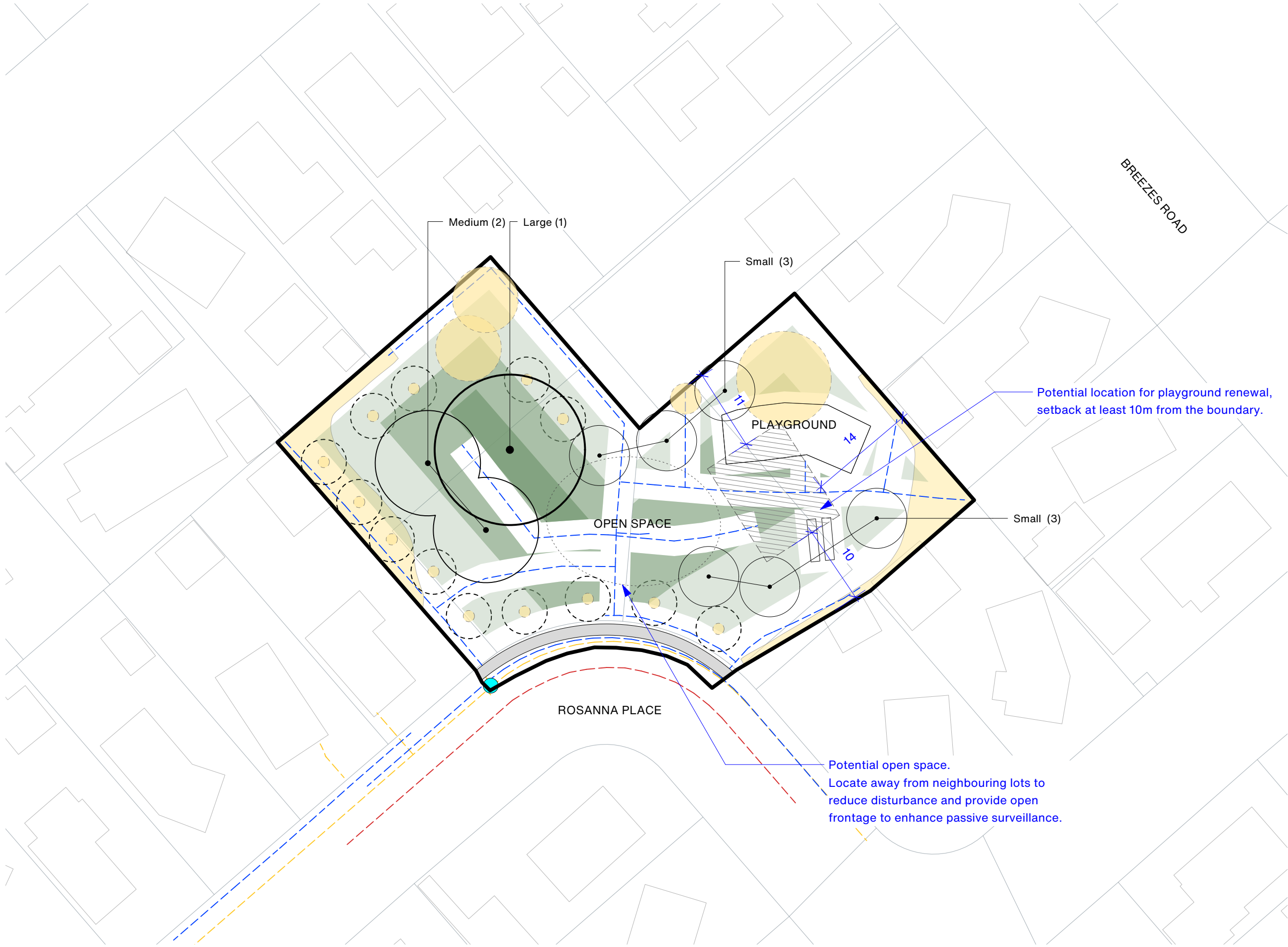
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SHEET TITLE		
Tree Planting Plan		
ISSUE		
PRELIMINARY		
DESIGN JG	DRAWN JG	REVIEW TS
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ROSANNA RESERVE		
Park Canopy Cover Summary		
Existing number of trees		17
Existing canopy cover	approx.	19%
Proposed number of new trees		9
Proposed net canopy cover(existing vegetation and proposed)	approx.	43%



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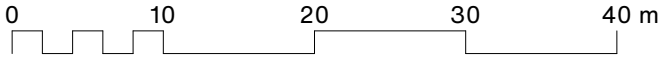
SHEET TITLE
Tree Planting Plan - Design Intent

ISSUE
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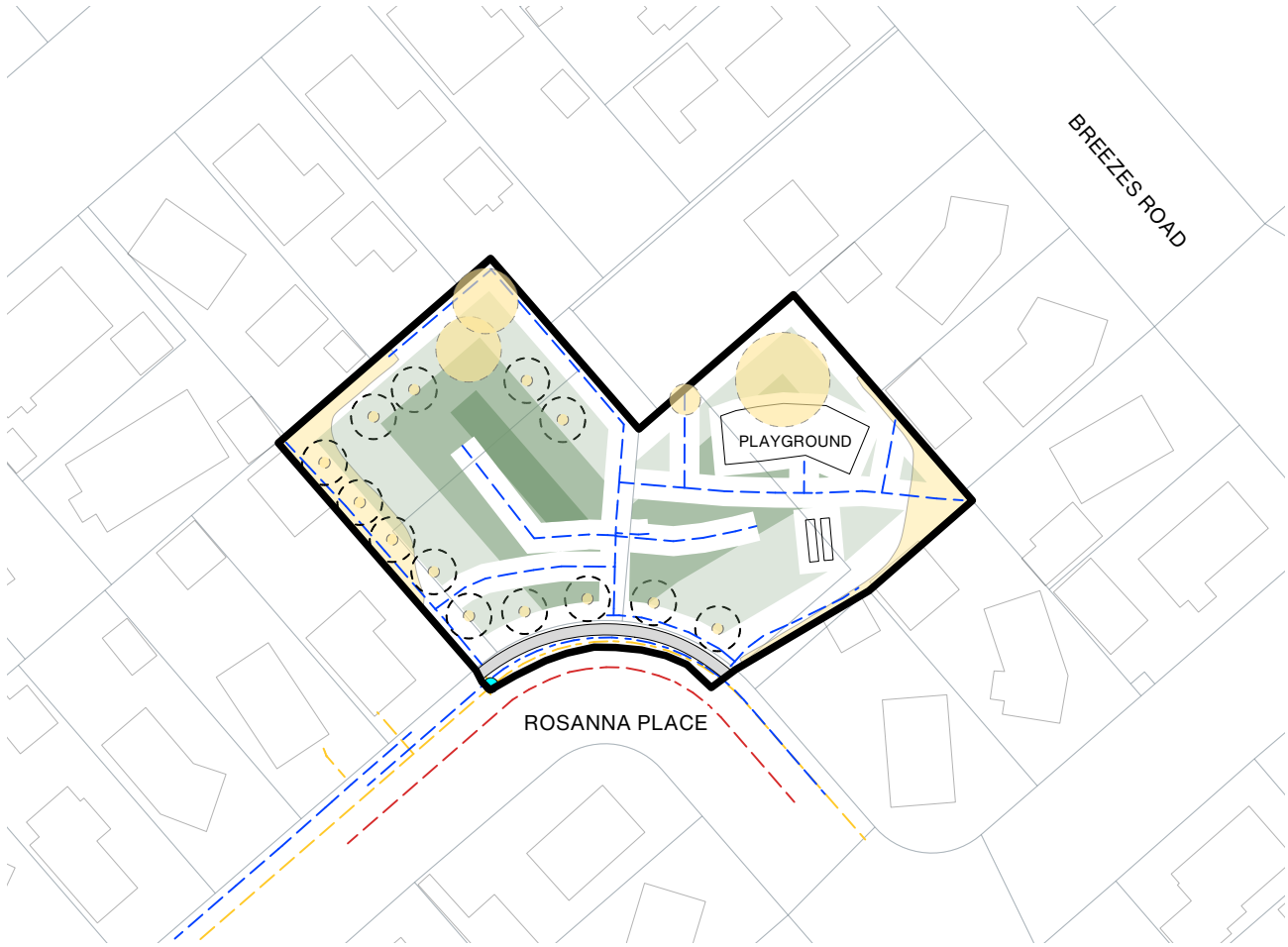
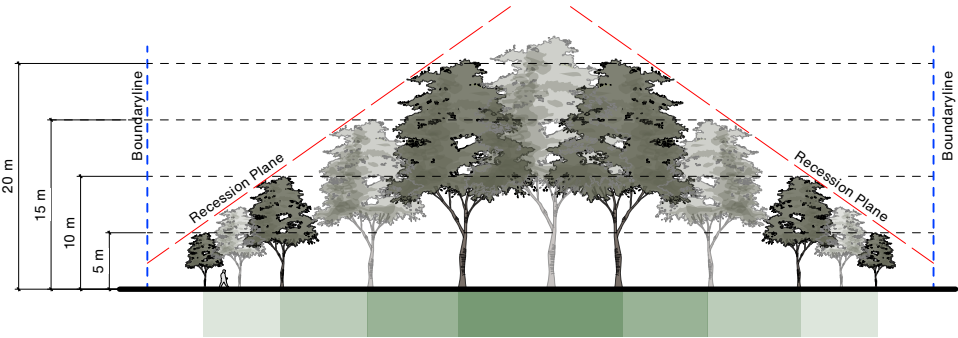
Guideline Summary

- 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.
- 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. 2.0m offset for low voltage power
- Min. 3.0m offset for 11kv power
- Min. 5.0m offset for 33-66kv
- Min. 2.0m offset for all other services not mentioned above.
- Min. 1.5m offset for all hard paving not mentioned above.

Typical tree planting pattern



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