

PROJECT NAME

DERWENT RESERVE

ADDRESS

21 Derwent Street, Bryndwr, Christchurch 8053

CLIENT

Christchurch City Council

COMMUNITY PARK TREE PLANTING STUDY

Issued date

29/08/2025



SHEET NO.	SHEET TITLE
P 00	Community Park Tree Planting Study
P 01	Existing Planting
P 02	Tree Planting Zones
P 03	Tree Planting Zones - Lot Boundary Cross Sections
P 04	Tree Planting Plan
P 05	Tree Planting Plan
P 06	Tree Planting Guidelines

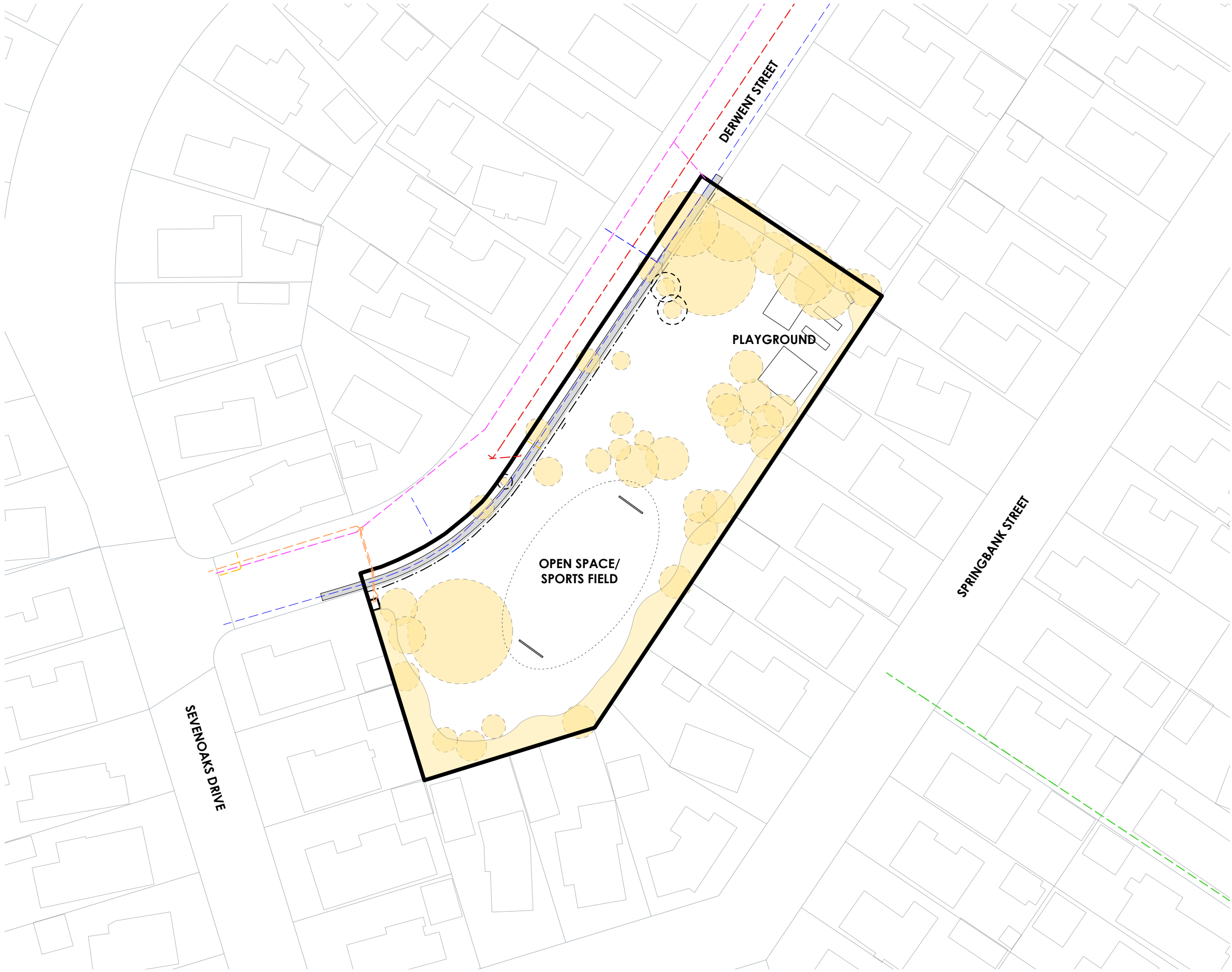
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REFERENCE NO.

5586



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Existing Planting

LEGEND

- Existing Tree/ Vegetation
- Existing post and cable fence
- Existing Tree - predicted mature canopy

Existing Services

- Stormwater
- Water supply
- Wastewater
- Power (LV)
- Power (11KV)
- Power (Overhead line)

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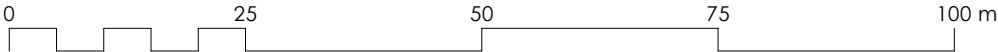


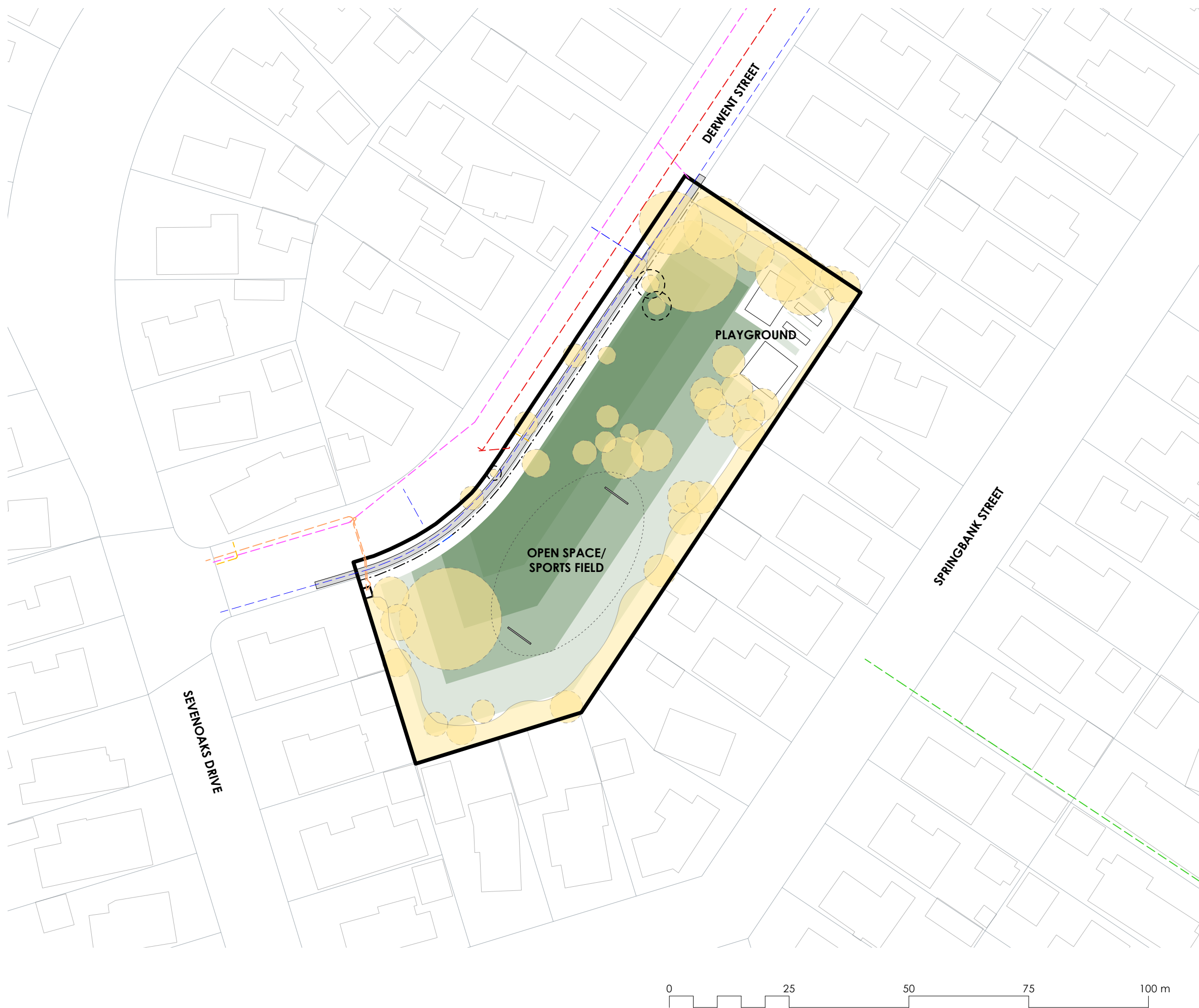
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Tree Planting Zones

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Potential Tree Planting Areas

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

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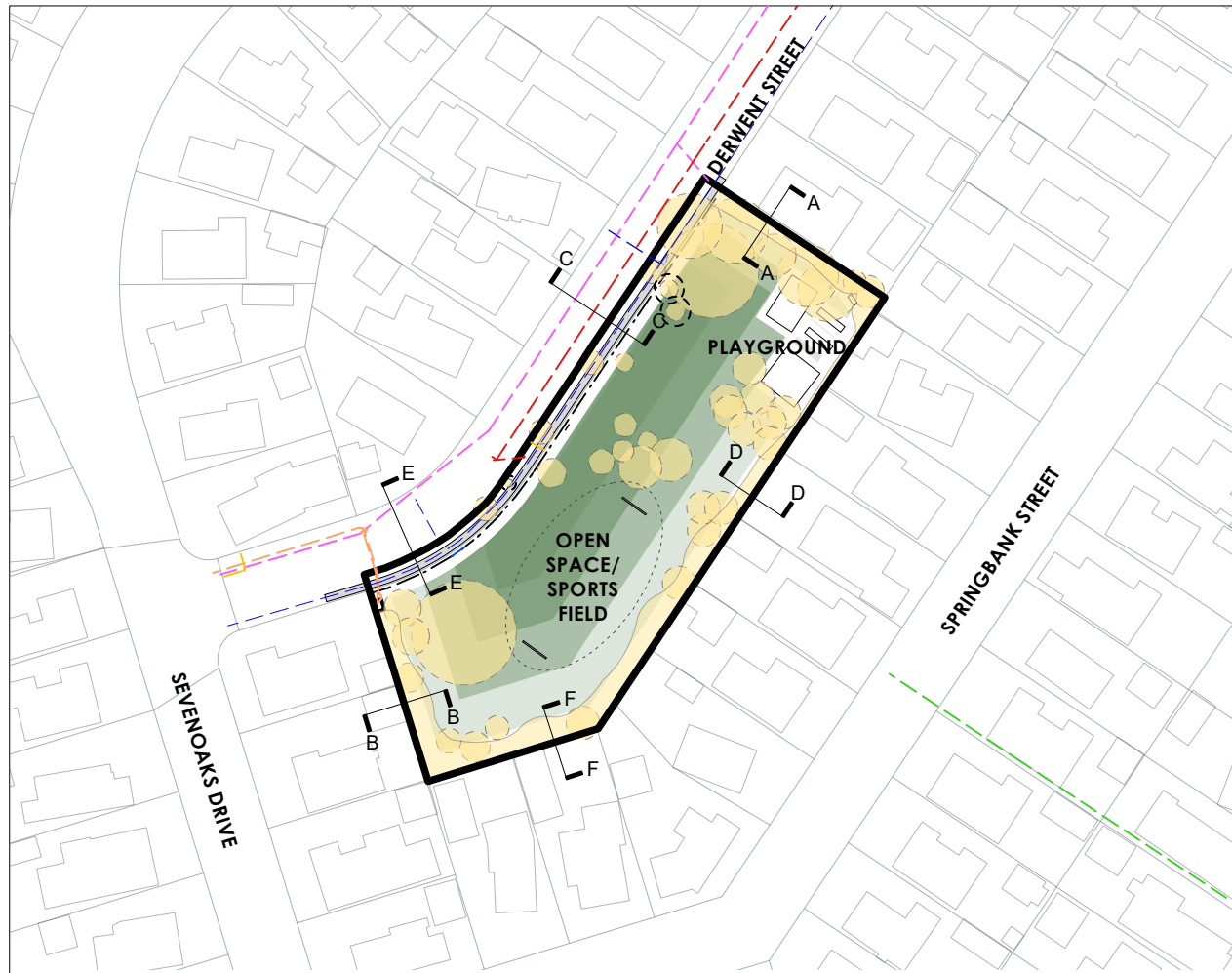
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Location Plan @ 1:1500



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Tree Planting Zones - Lot Boundary Cross Sections

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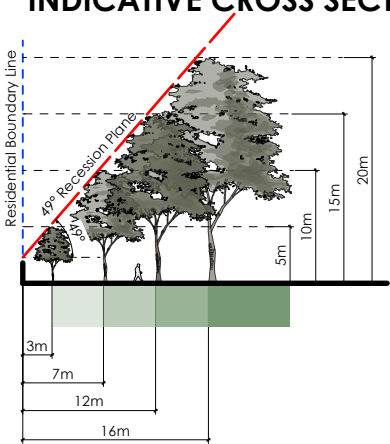
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- Stormwater
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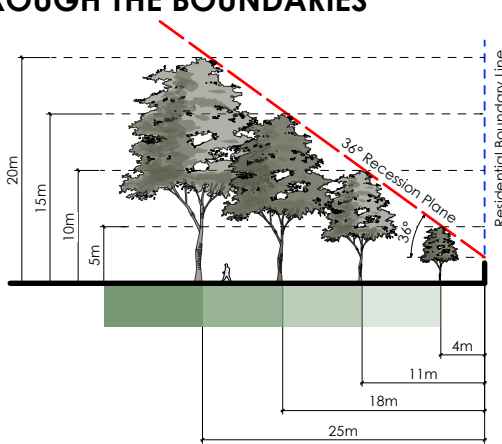
Potential Tree Planting Areas

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

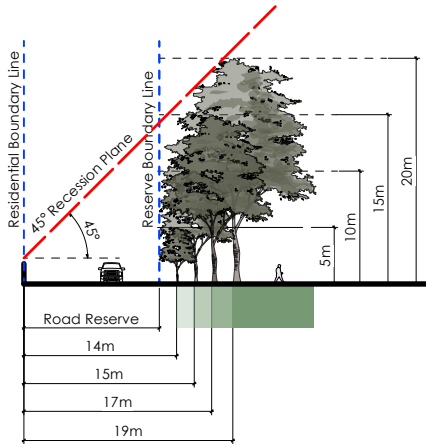
INDICATIVE CROSS SECTION THROUGH THE BOUNDARIES



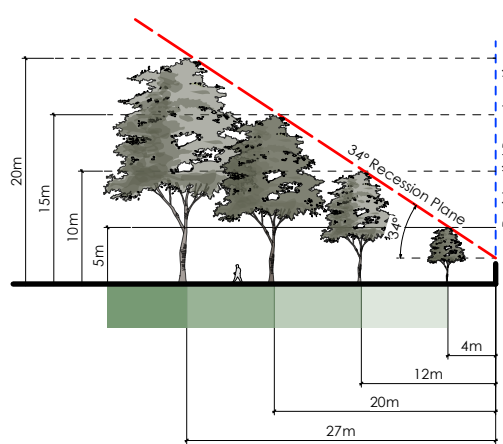
Cross Section A-A



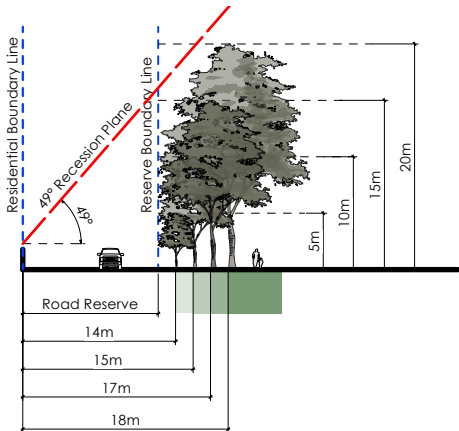
Cross Section B-B



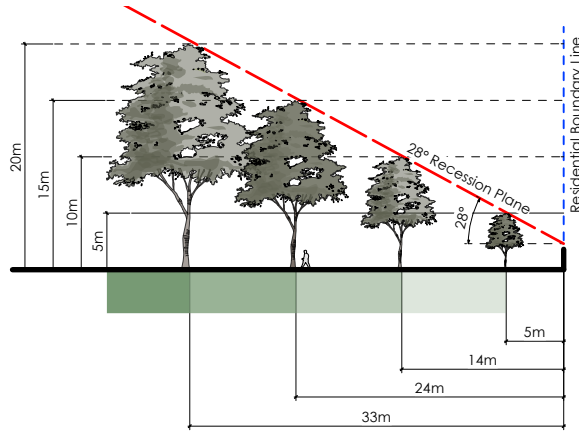
Cross Section C-C



Cross Section D-D



Cross Section E-E



Cross Section F-F

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PLANT SCHEDULE - DERWENT RESERVE			
ID	Qty	Tree Category	Tree Height
TREE HEIGHT 5-10M			
Small	8	Small Tree	5-10m Height
TREE HEIGHT 11-15M			
Medium	4	Medium Tree	11-15m Height

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

Note:
Contractor to confirm service
and irrigation locations using
on site service locators prior to
commencing work.

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DERWENT RESERVE		
Park Canopy Cover Summary		
Existing number of trees		43
Existing canopy cover	approx.	42%
Proposed number of new trees		12
Proposed net canopy cover(existing vegetation and proposed)	approx.	58%



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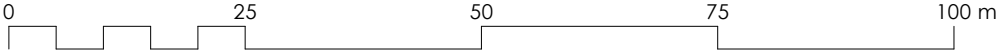
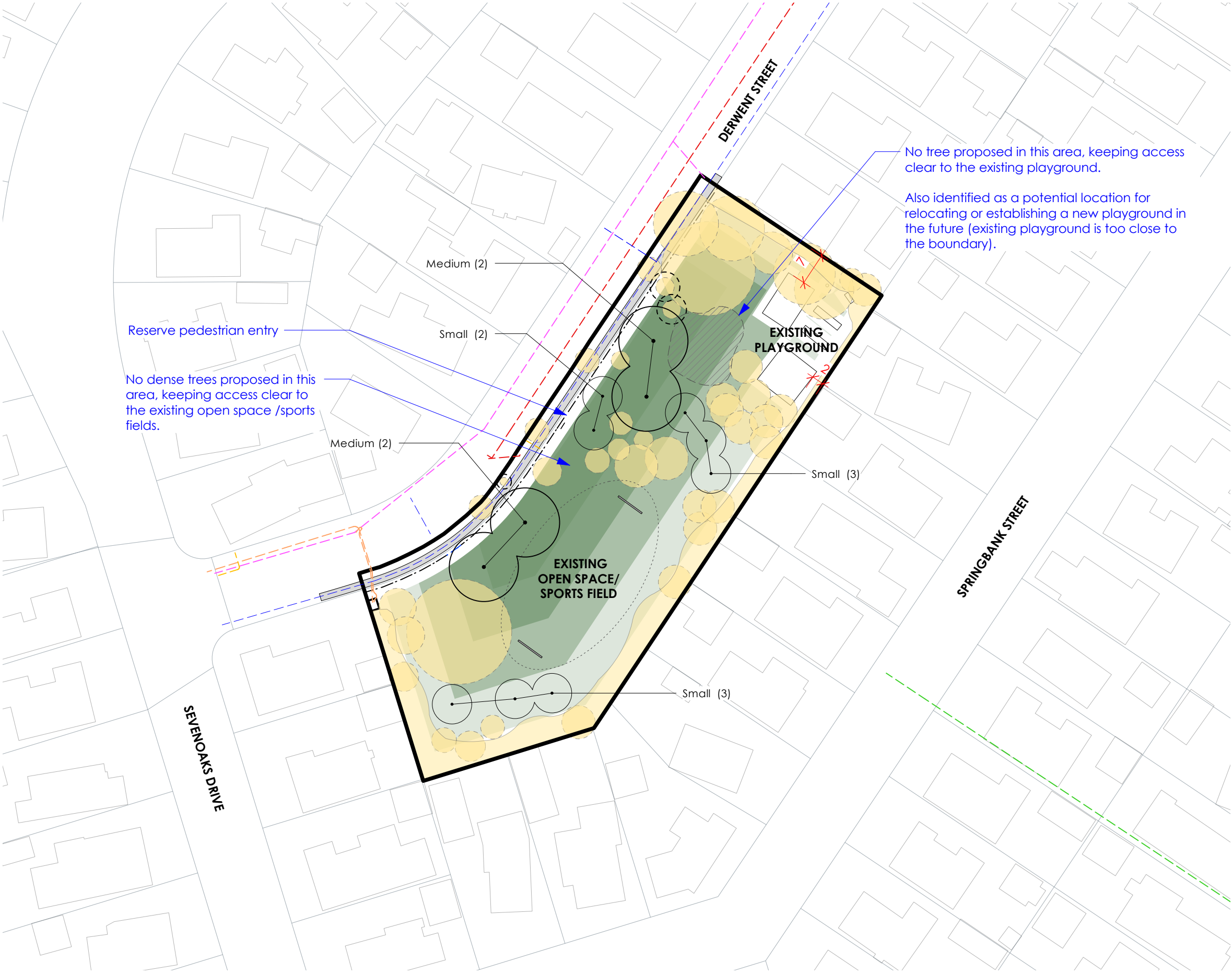


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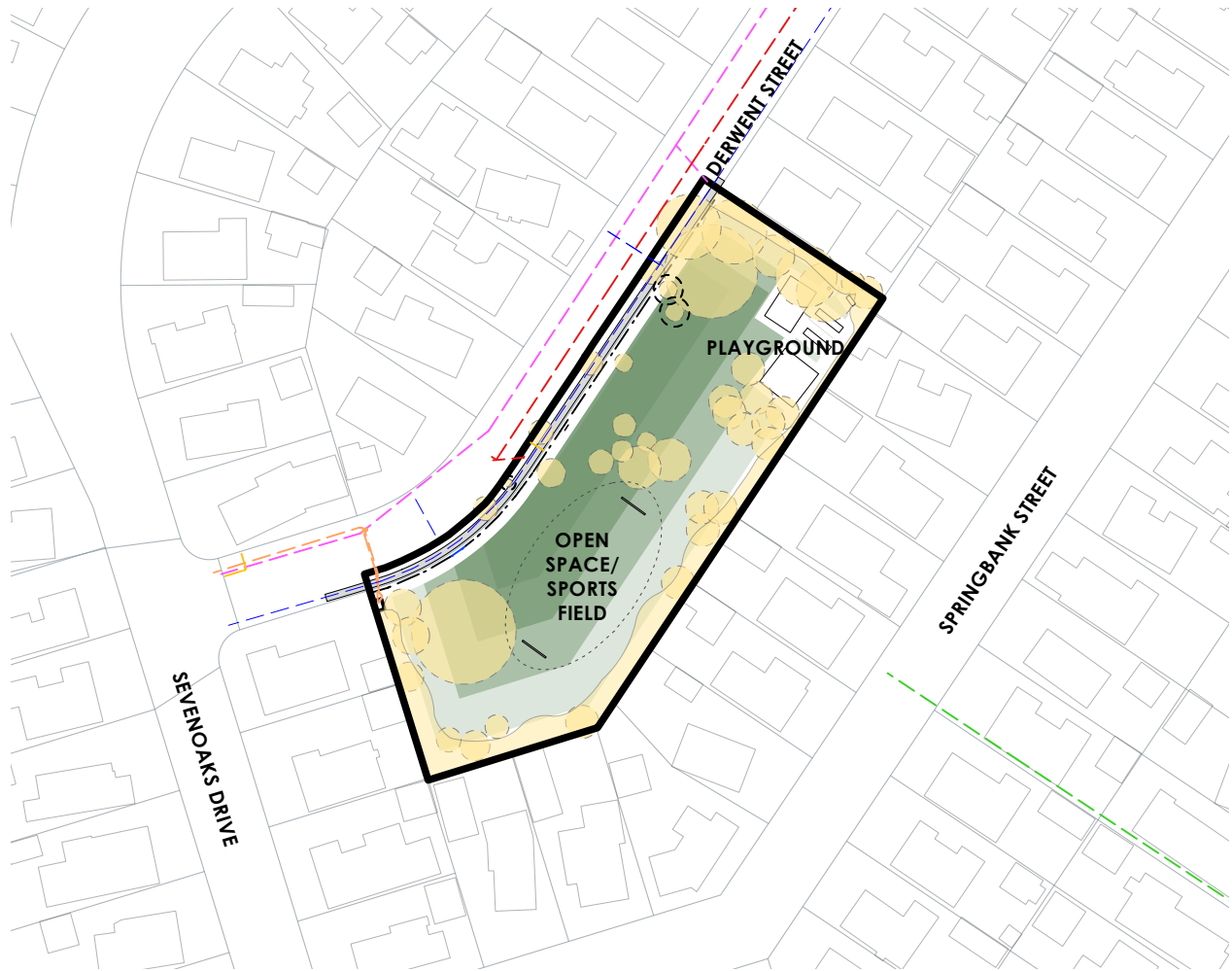
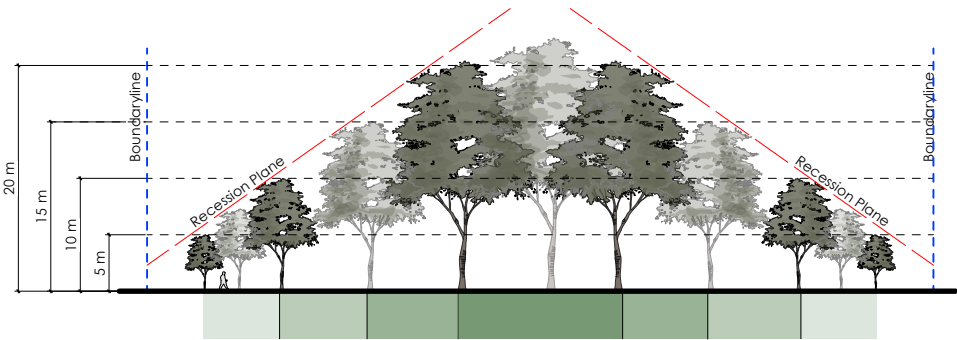
Guideline Summary

- 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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