

OPOUIRA KNIGHTS STREAM PARK

Urban Forest Planting Study

50 Richmond Avenue, Halswell, Christchurch,8025

DATE 13/04/2026
REF NO. 5586
REVISION C

ISSUE
PRELIMINARY

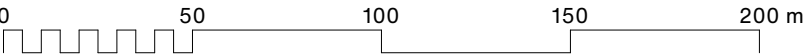


LANDSCAPE ARCHITECTS

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 post and cable fence
 - Existing Tree - predicted mature canopy
 - Existing Mound/Contour
 - Existing Sports field/ Court
- Existing Services**
- Stormwater
 - Wastewater
 - Water supply
 - Power (LV)
 - Power (11KV)
 - Enable Fibre
 - Light

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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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SHEET TITLE
Tree Planting Zones

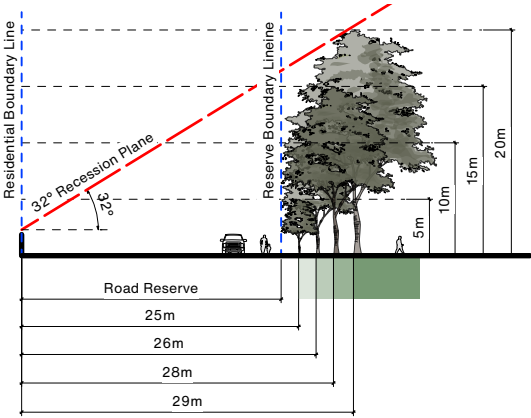
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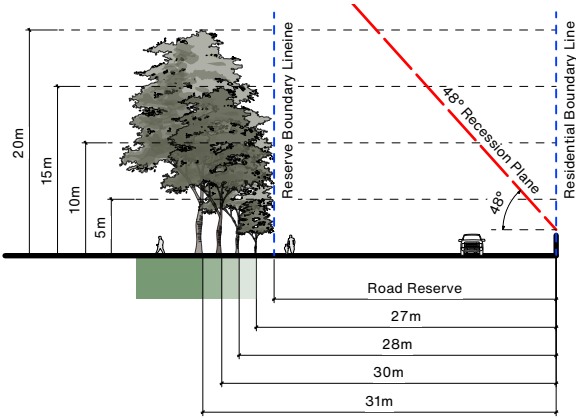


Location Plan @ 1:4000

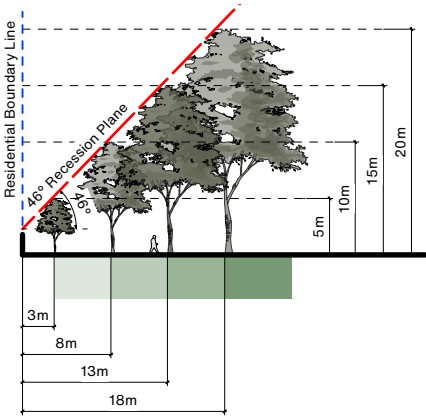
INDICATIVE CROSS SECTION THROUGH THE BOUNDARIES



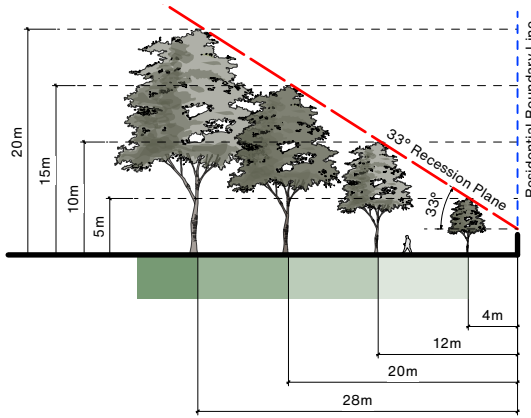
Cross Section A-A



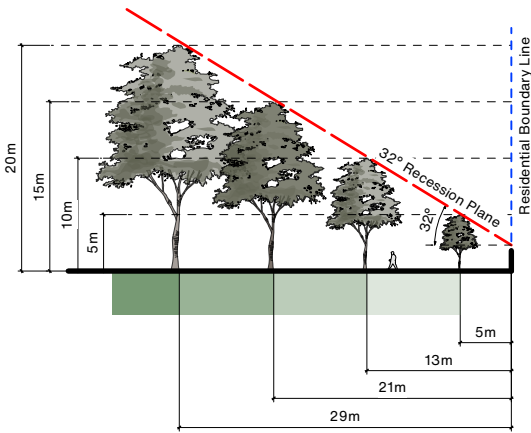
Cross Section B-B



Cross Section C-C



Cross Section D-D



Cross Section E-E

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Potential Tree Planting Areas

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

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SHEET TITLE
Tree Planting Zones - Lot Boundary Cross Sections

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PLANT SCHEDULE - OPOUIRA KNIGHTS STREAM PARK			
ID	Qty	Tree Category	Tree Height
TREE HEIGHT 5-10M			
Small	19	Small Tree	5-10m Height
TREE HEIGHT 11-15M			
Medium	23	Medium Tree	11-15m Height
TREE HEIGHT 16-20M			
Large	18	Large Tree	16-20m Height
TREE HEIGHT 20M+			
Very Large	11	Very Large Tree	20+m Height

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Tree Planting Plan

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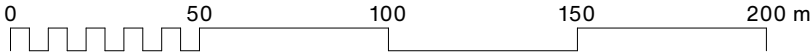
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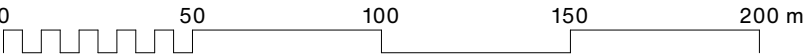
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OPOUIRA KNIGHTS STREAM PARK		
Park Canopy Cover Summary		
Existing number of trees		159
Existing canopy cover	approx.	14%
Proposed number of new trees		71
Proposed net canopy cover(existing vegetation and proposed)	approx.	31%

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





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Tree Planting Plan - Design Intent

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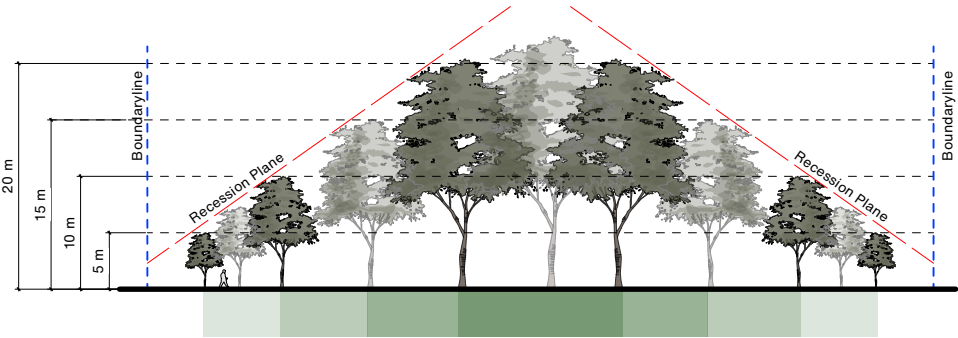
Guideline Summary

- 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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