

RANNOCH DRAINAGE RESERVE

Urban Forest Planting Study

40R Rannoch Drive, Yaldhurst, Christchurch, 8042

DATE 16/12/25
REF NO. 5586
REVISION A

ISSUE
PRELIMINARY



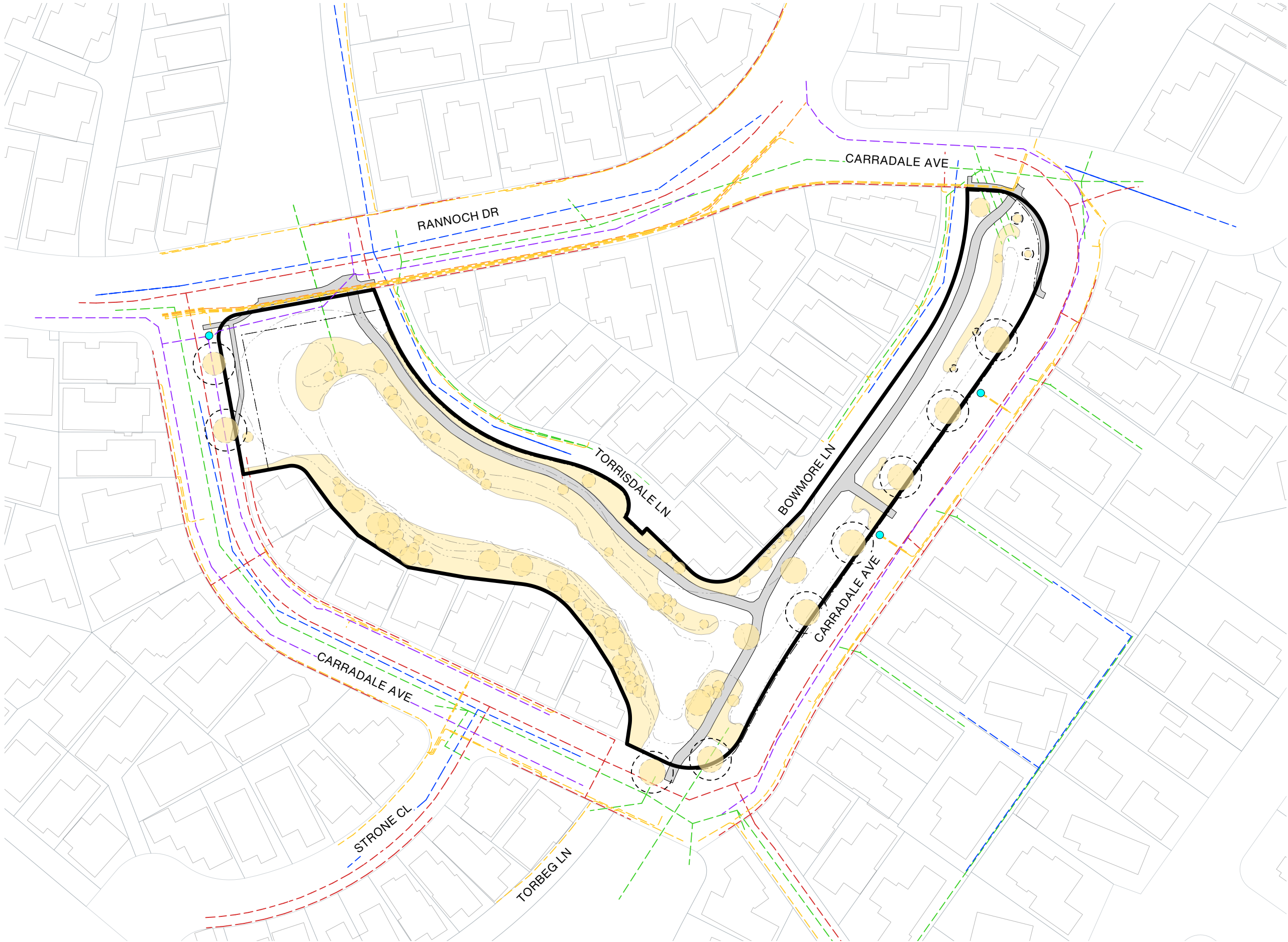
LANDSCAPE ARCHITECTS

Te Uruti Building, 48 Hereford St, Chch, 8140
Level 3, 36 Grant Rd, Qtn, 9300

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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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CLIENT
Christchurch City Council

- LEGEND**
- Site Boundary
 - Existing Tree/ Vegetation
 - Existing post and cable fence
 - Existing Tree - predicted mature canopy
 - Existing Mound/Contour
 - Light

- Existing Services
- Stormwater
 - Wastewater
 - Water supply
 - Power (LV)
 - Power (11KV)
 - Enable Fibre

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Existing Planting

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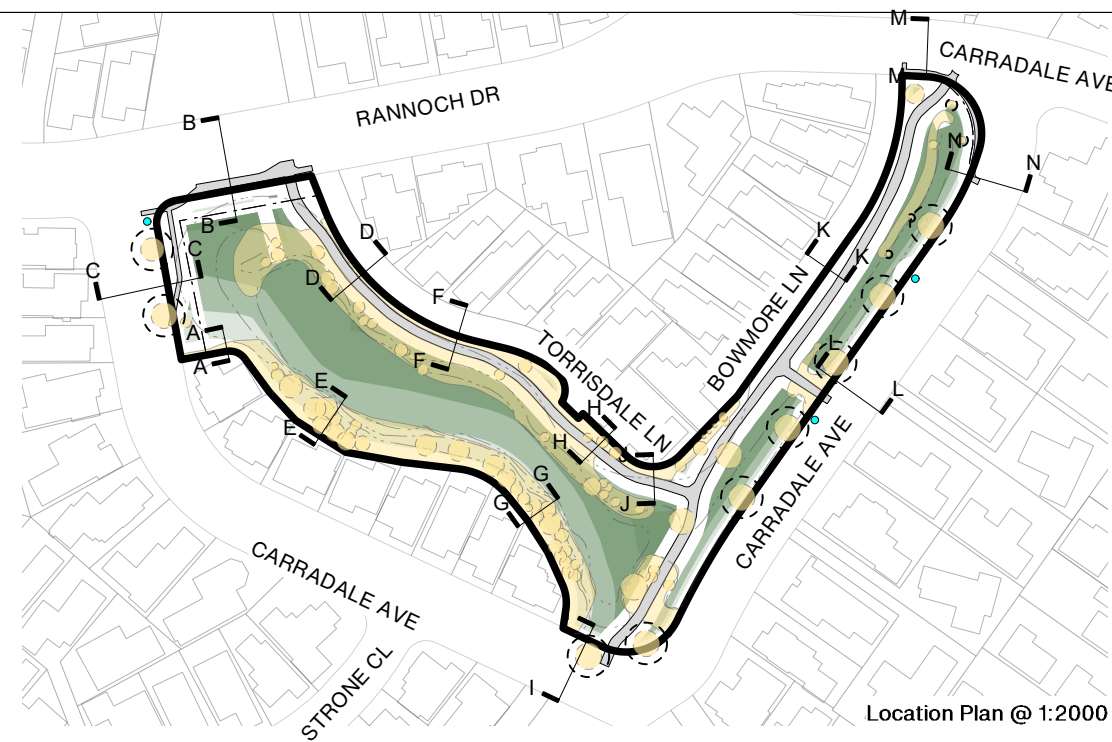
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Tree Planting Zones

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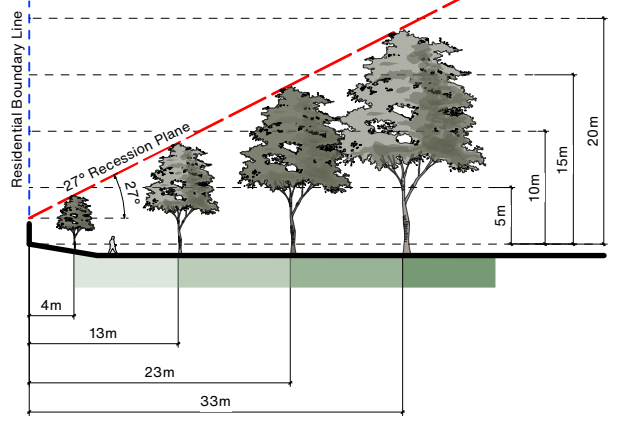
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DRAFT - 03/12/25

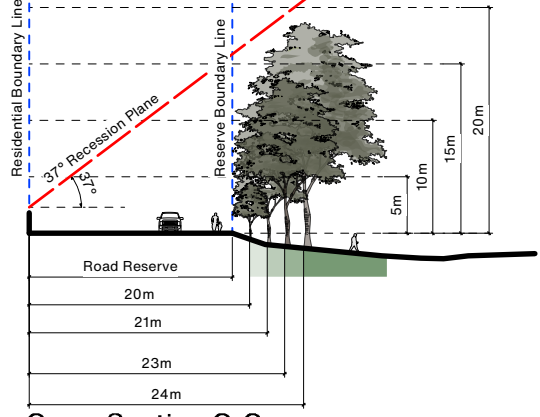


Location Plan @ 1:2000

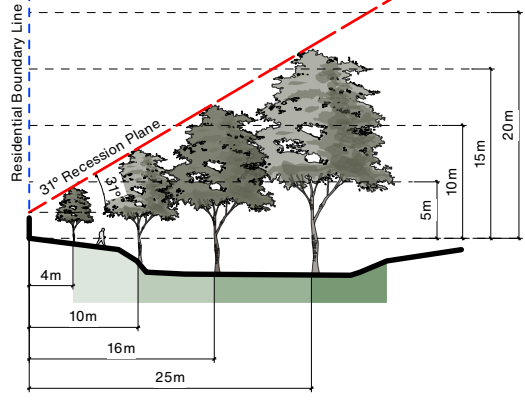
INDICATIVE CROSS SECTION THROUGH THE BOUNDARIES



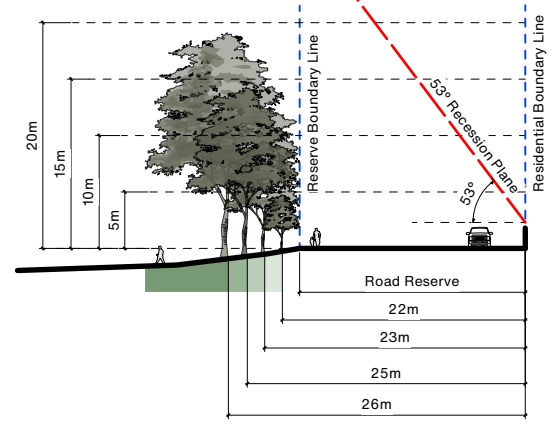
Cross Section A-A



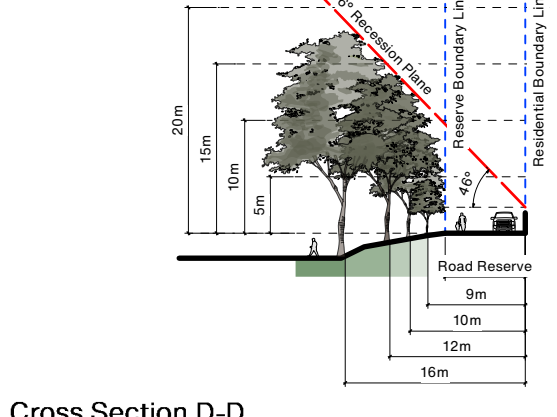
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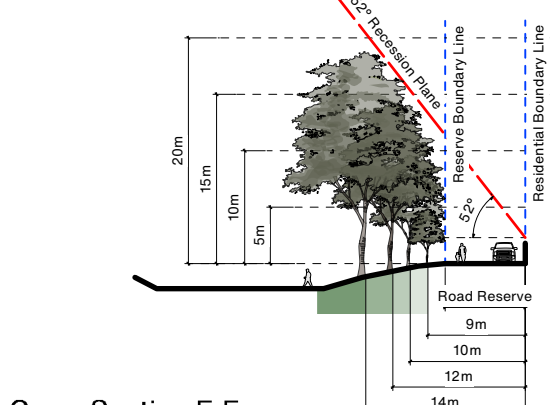
Cross Section E-E



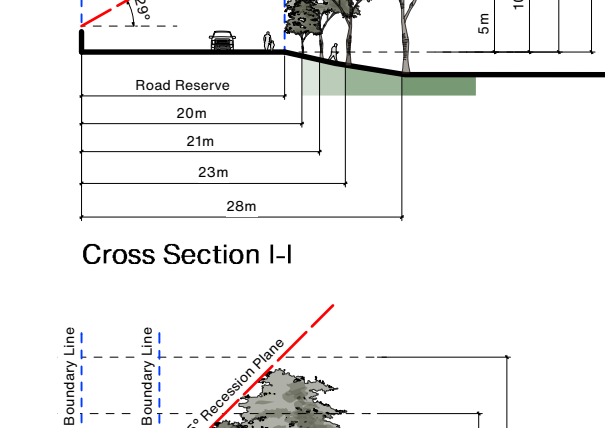
Cross Section G-G



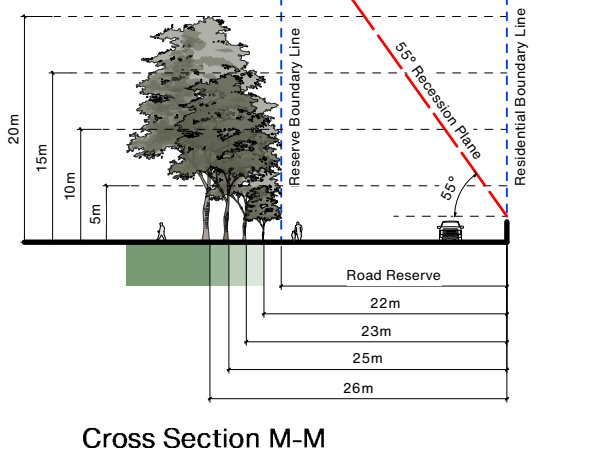
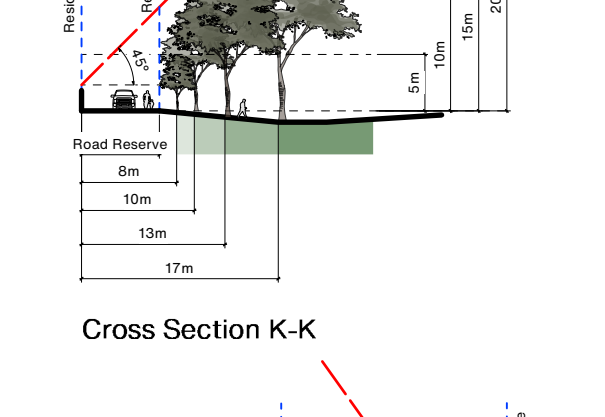
Cross Section I-I



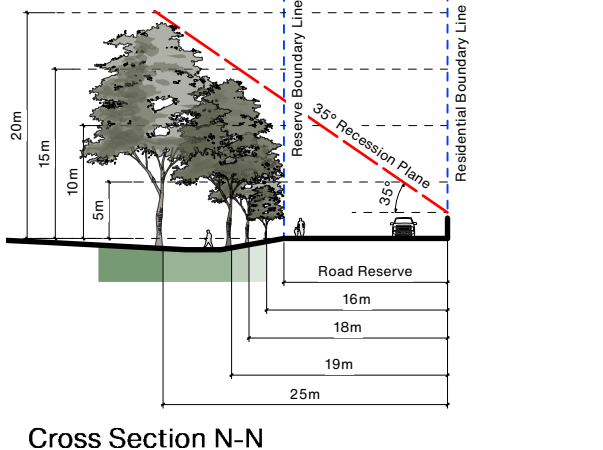
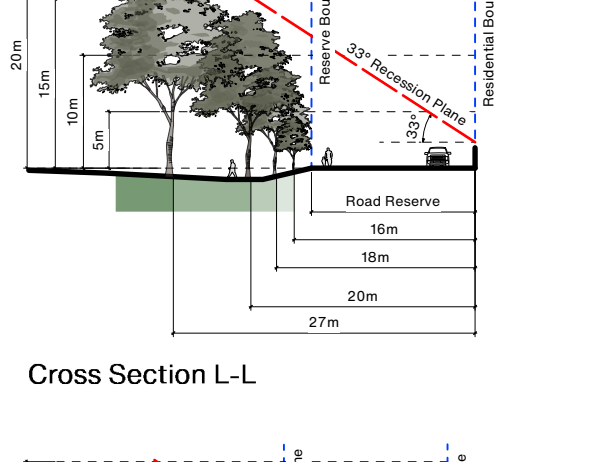
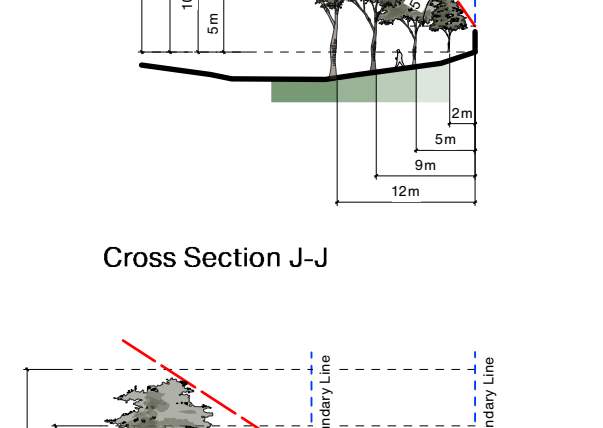
Cross Section K-K



Cross Section M-M



Cross Section P-P



Cross Section T-T

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SHEET TITLE		

Tree Planting Zones - Lot Boundary Cross Sections		
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PLANT SCHEDULE - RANNOCH DRAINAGE RESERVE			
ID	Qty	Tree Category	Tree Height
TREE HEIGHT 5-10M			
Small	12	Small Tree	5-10m Height
TREE HEIGHT 11-15M			
Medium	3	Medium Tree	11-15m Height
TREE HEIGHT 16-20M			
Large	2	Large Tree	16-20m Height
TREE HEIGHT 20M+			
Very Large	1	Very Large Tree	20+m Height

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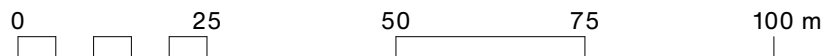
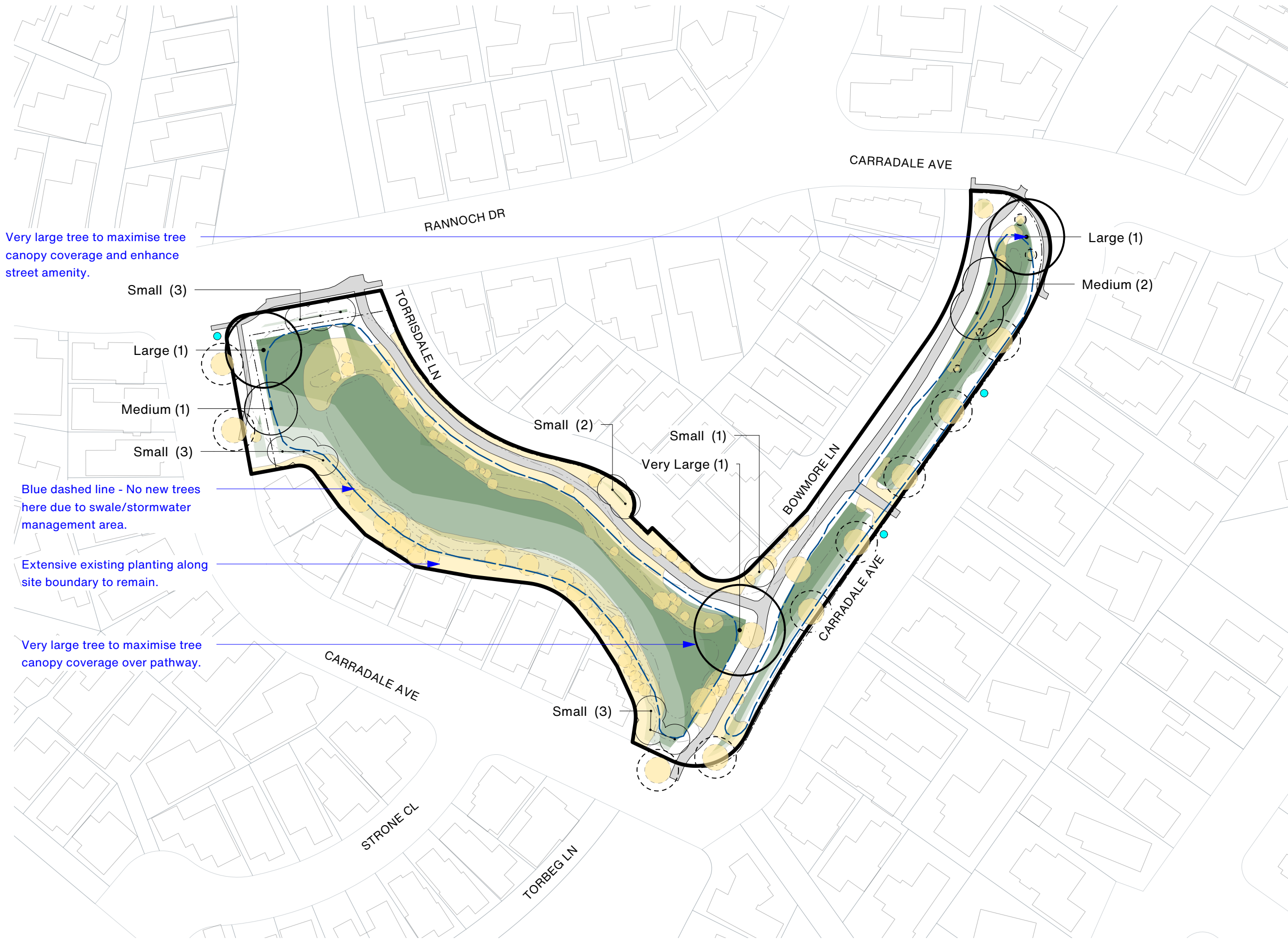
Tree Planting Plan

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

RANNOCH DRAINAGE RESERVE		
Park Canopy Cover Summary		
Existing number of trees		87
Existing canopy cover	approx.	13%
Proposed number of new trees		18
Proposed net canopy cover(existing vegetation and proposed)	approx.	33%



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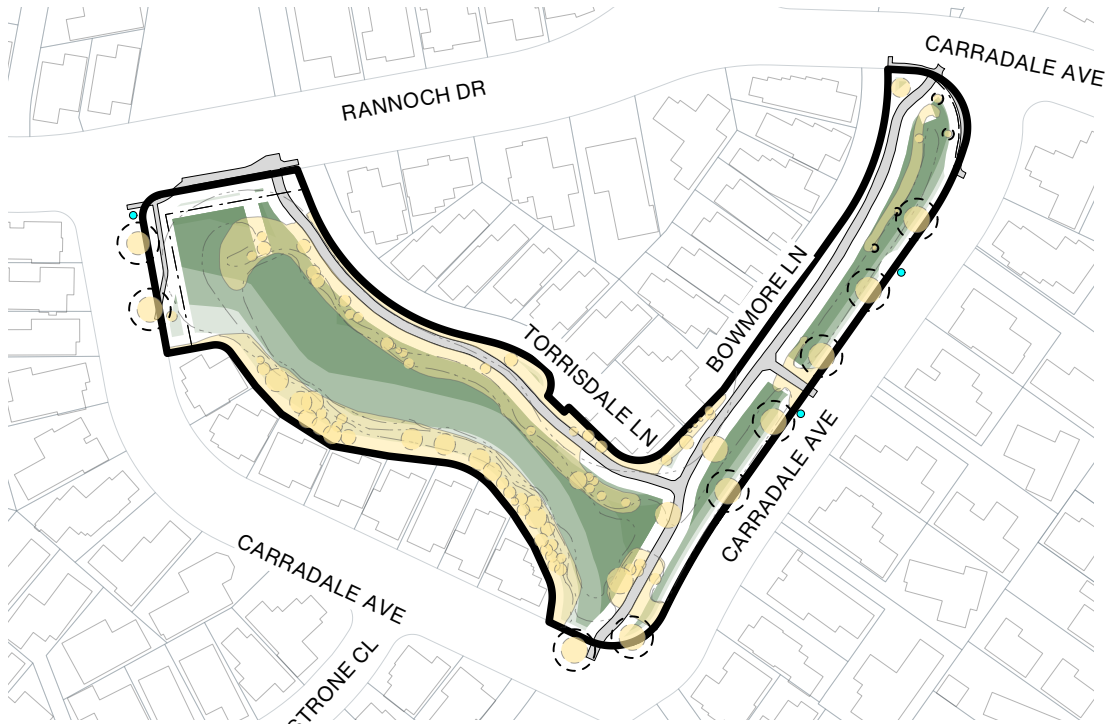
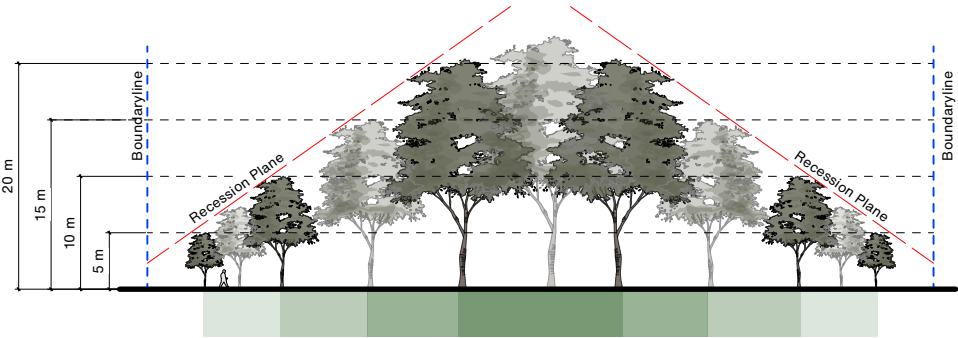
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**Tree Planting Plan -
Design Intent**

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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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