

PROJECT NAME

# TAUTORU PARK

ADDRESS

29 Orr Street, Wigram, Christchurch 8025

CLIENT

Christchurch City Council

## COMMUNITY PARK TREE PLANTING STUDY

Issued date

30/05/2023



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PREPARED BY

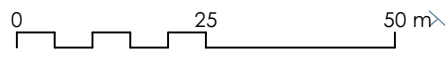
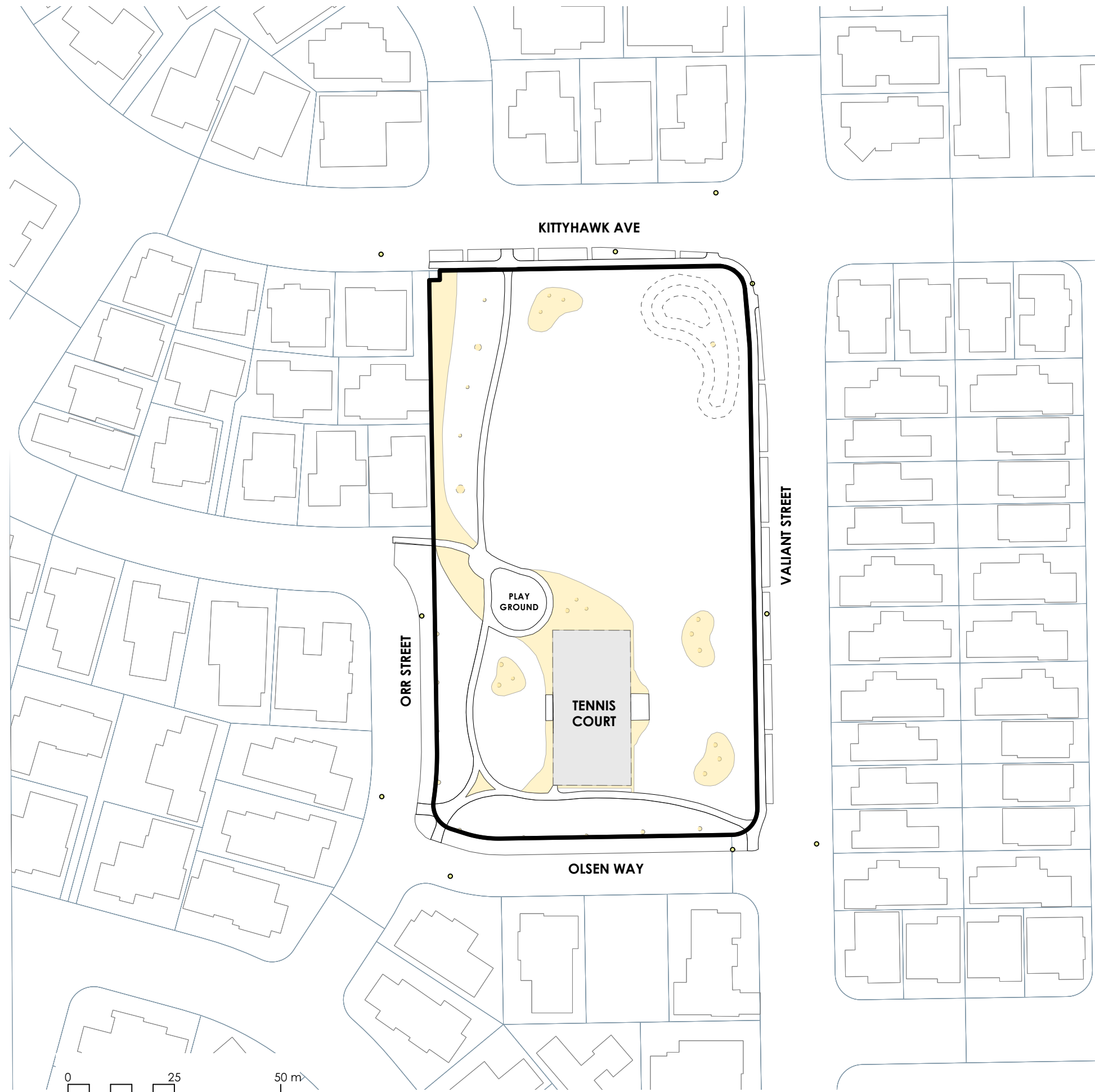


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





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Community Park Tree Planting

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**TAUTORU PARK**  
Existing Planting

- LEGEND**
-  Existing Tree/  
Vegetation
  -  Sports field/ Court
  -  Existing  
Mound/Contour
- Existing Services
-  Light

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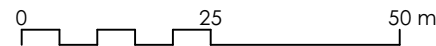
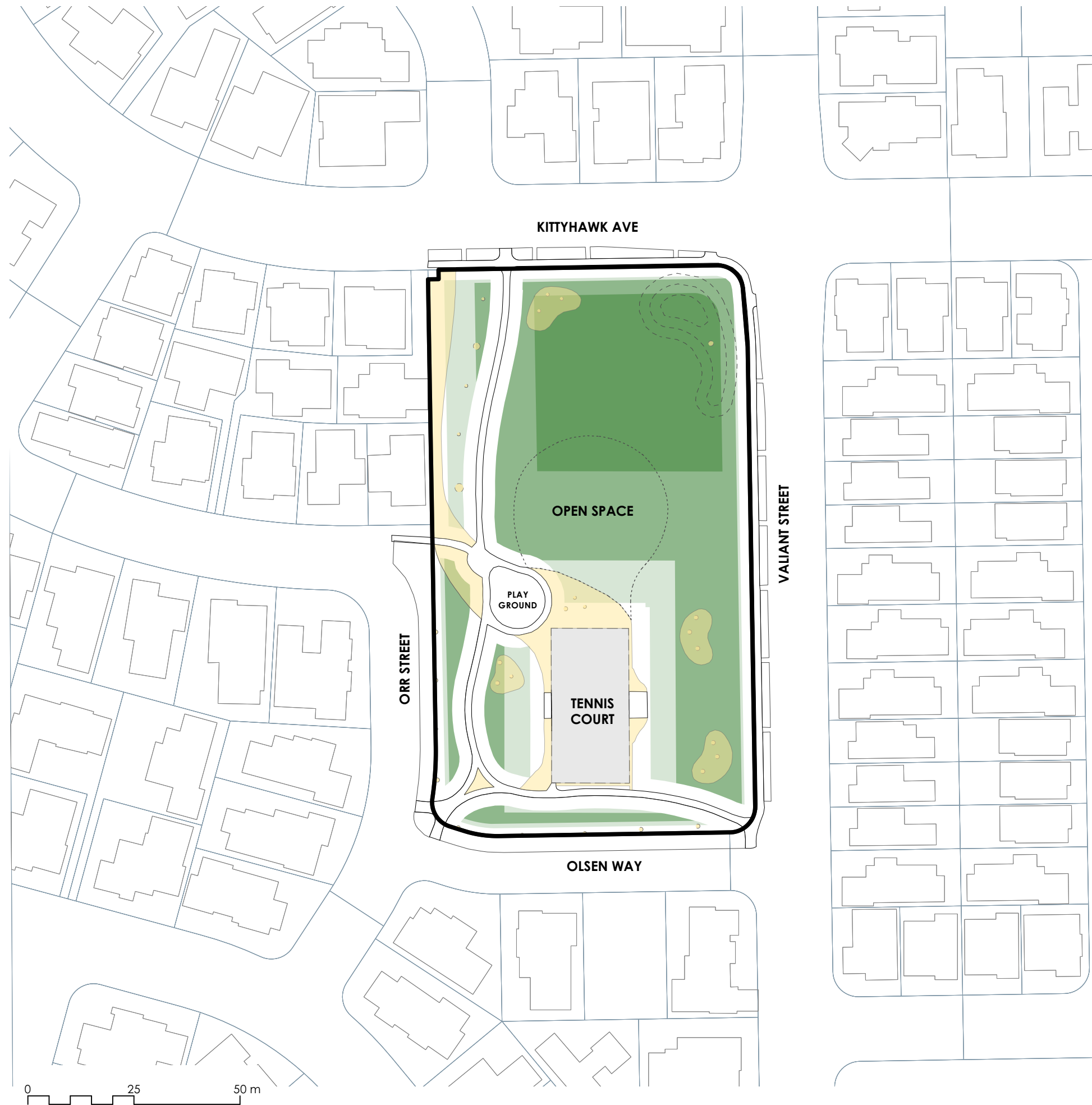
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 Community Park Tree Planting  
 ADDRESS  
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**TAUTORU PARK**  
 Tree Planting Zones

**LEGEND**

- Existing Tree/  
Vegetation
- Sports field/ Court
- Existing  
Mound/Contour

Existing Services

- Light

Potential Tree Planting Areas

- 5m - 10m  
Trees Height Zone
- 10m - 20m  
Trees Height Zone
- 20m+  
Trees Height Zone
- Potential Open  
Space area

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# TAUTORU PARK

Community Park Tree Planting

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TAUTORU PARK  
Tree Planting Zones

Lot Boundary Cross Sections

## LEGEND

- Existing Tree/  
Vegetation
- Sports field/ Court
- Existing  
Mound/Contour

## Existing Services

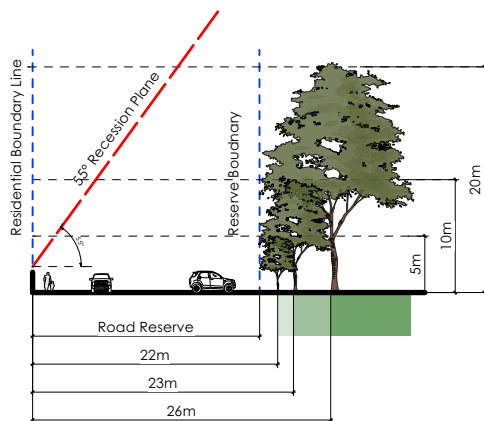
- Light

## Potential Tree Planting Areas

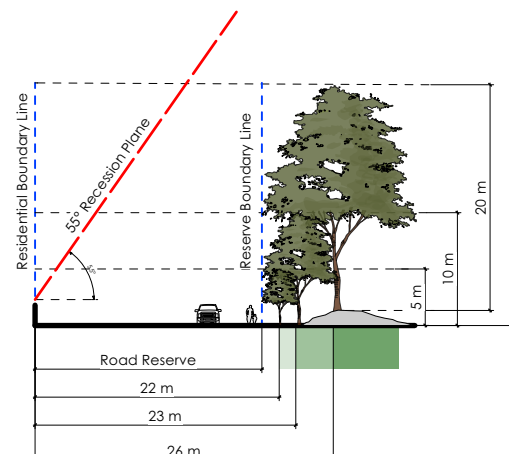
- 5m - 10m  
Trees Height Zone
- 10m - 20m  
Trees Height Zone
- 20m+  
Trees Height Zone
- Potential Open  
Space area



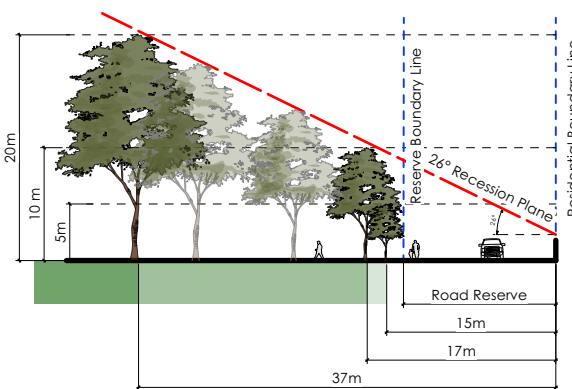
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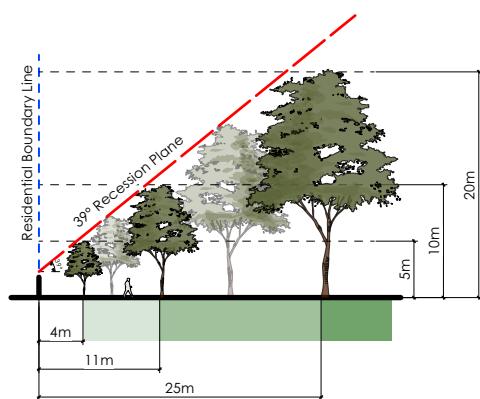
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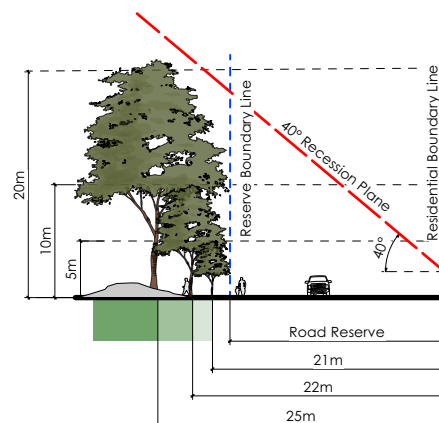
Cross Section B-B



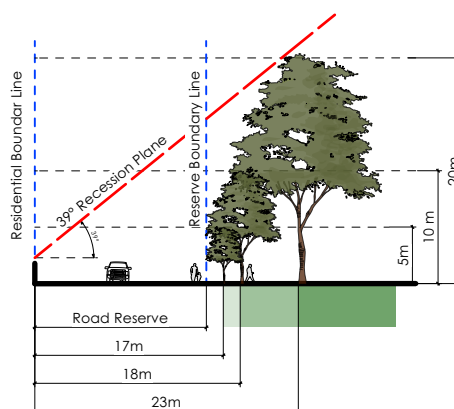
Cross Section C-C



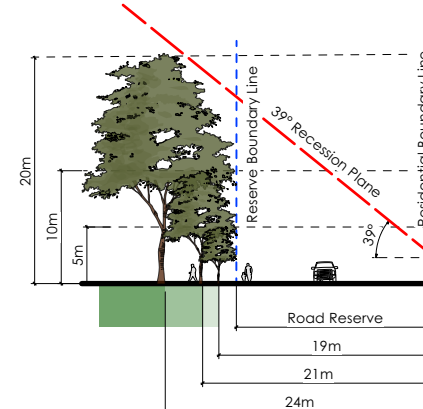
Cross Section D-D



Cross Section E-E



Cross Section F-F



Cross Section G-G

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# Winter Solstice

Date: 22<sup>nd</sup> June



## TAUTORU PARK

Community Park Tree Planting

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**TAUTORU PARK**  
Shade Study - Winter Solstice

8 am

8 am



Note:  
Trees in the model are shown  
at 5m, 10m, 20m height

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# Winter Solstice

Date: 22<sup>nd</sup> June



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**TAUTORU PARK**  
Shade Study - Winter Solstice

10 am

10 am



Note:  
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# Winter Solstice

Date: 22<sup>nd</sup> June

12 noon



## TAUTORU PARK

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**TAUTORU PARK**  
Shade Study - Winter Solstice

12 noon

Note:  
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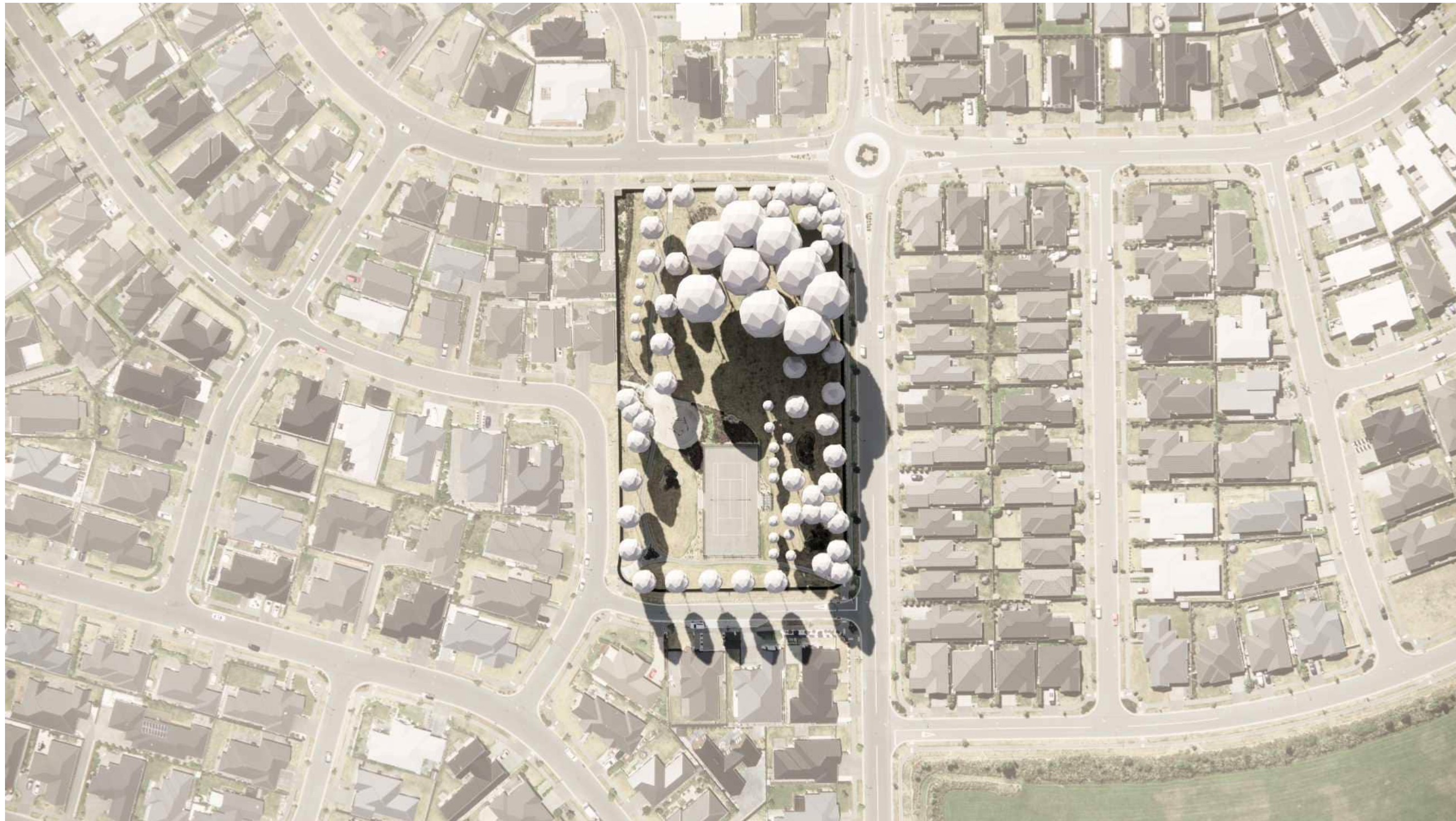
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# Winter Solstice

Date: 22<sup>nd</sup> June

2 pm



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**TAUTORU PARK**  
Shade Study - Winter Solstice

2 pm

Note:  
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at 5m, 10m, 20m height

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# Winter Solstice

Date: 22<sup>nd</sup> June



## TAUTORU PARK Community Park Tree Planting

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**TAUTORU PARK**  
Shade Study - Winter Solstice

4 pm

4 pm



Note:  
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at 5m, 10m, 20m height

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# Winter Solstice

Date: 22<sup>nd</sup> June

6 pm



## TAUTORU PARK Community Park Tree Planting

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**TAUTORU PARK**  
Shade Study - Winter Solstice

4 pm

Note:  
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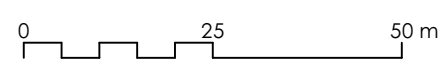


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PLANT SCHEDULE - TAUTORU PARK			
ID	Qty	Botanical Name	Common Name
<b>TREE HEIGHT 5-10M</b>			
Ac.f.	6	Acacia floribunda	Sallow Wattle
Ac.fr.	5	Acer x freemanii	Freeman's Maple
Pi.t.	5	Pittosporum tenuifolium	Kohuhu
<b>TREE HEIGHT 11-15M</b>			
Do.v.	4	Dodonaea viscosa 'Purpurea	Akeake
Do.v.P.	6	Dodonaea viscosa 'Purpurea	Purple Akeake
Eu.l.	7	Eucalyptus leucosylon	Yellow Gum
Ma.k.	3	Magnolia kobus	Kobus Magnolia
Qu.i.	5	Quercus ilex	Holm/Holly Oak
Ul.p.	6	Ulmus parvifolia	Chinese Elm
<b>TREE HEIGHT 16-20M</b>			
Co.a.	3	Cordyline australis	Cabbage tree / Ti Kouka
Ho.a.	3	Hoheria angustifolia	Narrow leafed lacebark / Houhere
Pi.eu.	1	Pittosporum eugenioides	Lemonwood / Tarata
So.m.	9	Sophora microphylla	Kowhai
<b>TREE HEIGHT 20M+</b>			
Ae.h.	2	Aesculus hippocastanum	Horse Chestnut
Li.st.	2	Liquidamber styraciflua	Sweetgum
Li.t.	2	Liriodendron tulipifera	Tulip Tree
Po.t.	3	Podocarpus totara	Totara

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**TAUTORU PARK**  
Tree Planting Plan

- LEGEND**
- Existing Tree/ Vegetation
  - Sports field/ Court
  - Existing Mound/Contour

- Existing Services
- Light
- Potential Tree Planting Areas
- 5m - 10m Trees Height Zone
  - 10m - 20m Trees Height Zone
  - 20m+ Trees Height Zone
  - Potential Open Space area

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

**DRAFT**

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TAUTORU PARK			
Park Canopy Cover Summary			
Existing number of trees			30
Existing canopy cover	approx.		10%
Proposed number of new trees			72
Proposed net canopy cover (existing vegetation and proposed)	approx.		70%



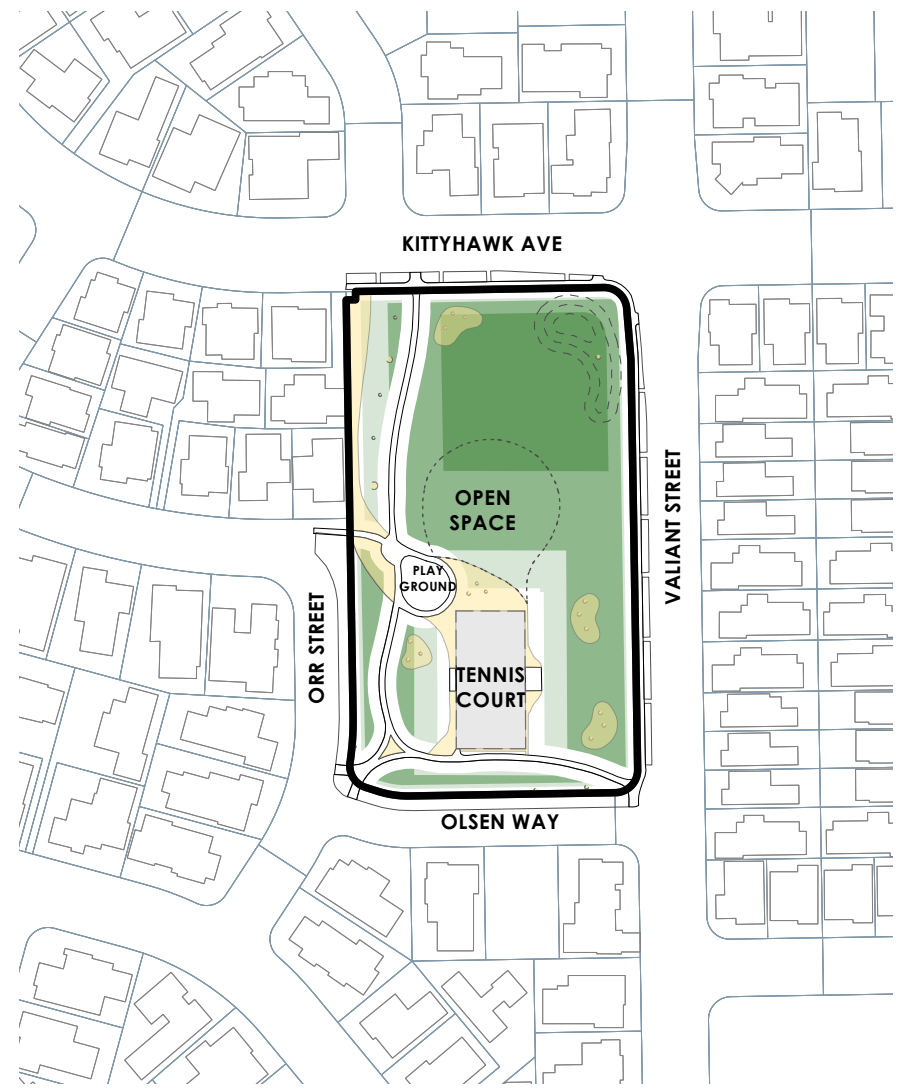
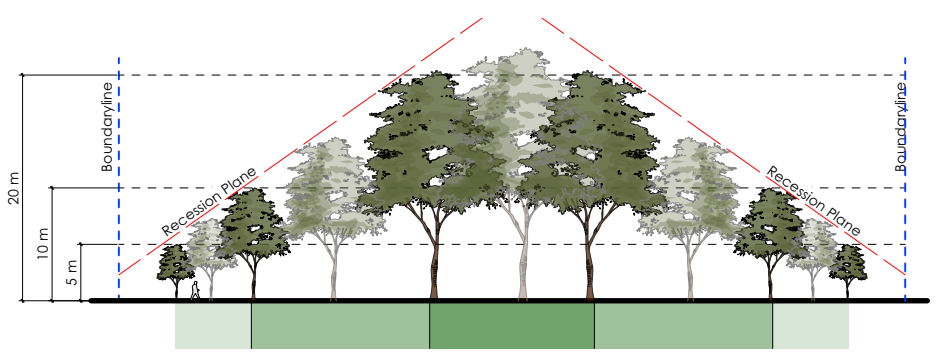
**Guideline Summary**

- 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. 2m offset for low voltage power
- Min. 3m offset for 11kv power
- Min. 5m offset for 33-66kv
- Min. 1m offset for all other services and hard paving not mentioned above.

**Typical tree planting pattern**



**LEGEND**

- Existing Tree/ Vegetation
- Sports field/ Court
- Existing Mound/Contour

Existing Services

- Light

Potential Tree Planting Areas

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