

PROJECT NAME

# ST FLORIAN PARK

ADDRESS

22R St Florian Place, Woolston, Christchurch

CLIENT

Christchurch City Council

## COMMUNITY PARK TREE PLANTING STUDY

Issued date

30/05/2023



SHEET NO.	SHEET TITLE	SHEET SUBTITLE
P 00	ST FLORIAN PARK	Community Park Tree Planting Study
P 01	ST FLORIAN PARK	Existing Planting
P 02	ST FLORIAN PARK	Tree Planting Zones
P 03	ST FLORIAN PARK	Tree Planting Zones - Lot Boundary Cross Sections
P 04	ST FLORIAN PARK	Shade Study - Winter Solstice - 8 am
P 05	ST FLORIAN PARK	Shade Study - Winter Solstice - 10 am
P 06	ST FLORIAN PARK	Shade Study - Winter Solstice - 12 noon
P 07	ST FLORIAN PARK	Shade Study - Winter Solstice - 2 pm
P 08	ST FLORIAN PARK	Shade Study - Winter Solstice - 4 pm
P 09	ST FLORIAN PARK	Shade Study - Winter Solstice - 6 pm
P 10	ST FLORIAN PARK	Tree Planting Plan
P 11	ST FLORIAN PARK	Tree Planting Guidelines



PREPARED BY



Te Uruti Building, 48 Hereford St, PO Box 2833, Christchurch 8140  
Mountaineer Building, 32 Rees St, Queenstown 9300

T. 03 366 8181 E. [admin@kamommarsh.co.nz](mailto:admin@kamommarsh.co.nz) W. [kamommarsh.co.nz](http://kamommarsh.co.nz)

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5323



# ST FLORIAN PARK

Community Park Tree Planting

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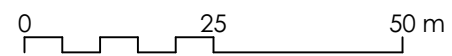
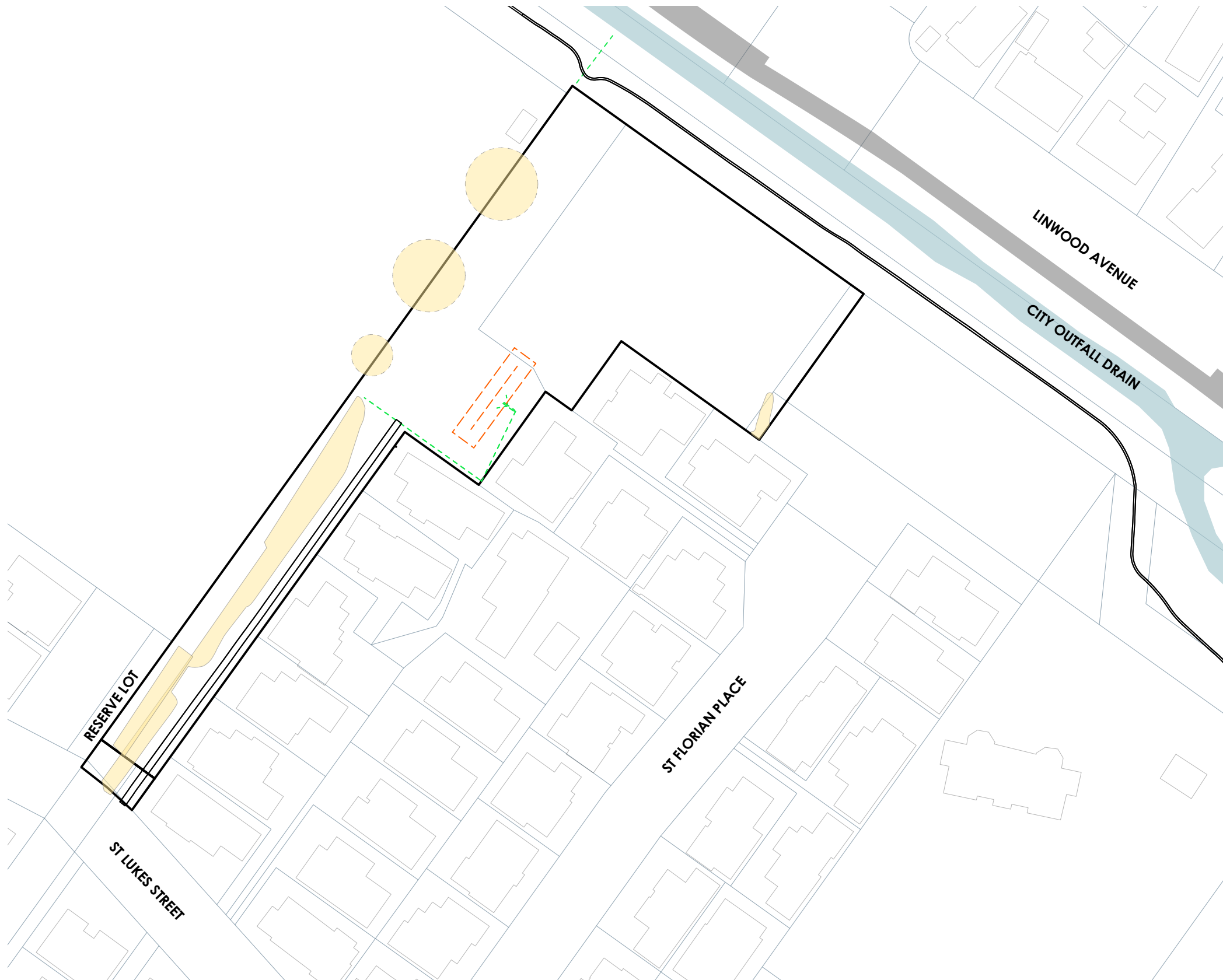
**ST FLORIAN PARK**  
Existing Planting

## LEGEND

- Existing Tree/Vegetation
- Sports field/ Court

### Existing Services

- Stormwater
- Drain Pipe



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Mountaineer Building, 32 Rees St, Queenstown 9300

T. 03 3668 181  
E. admin@kamommarsh.co.nz  
W. kamommarsh.co.nz

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





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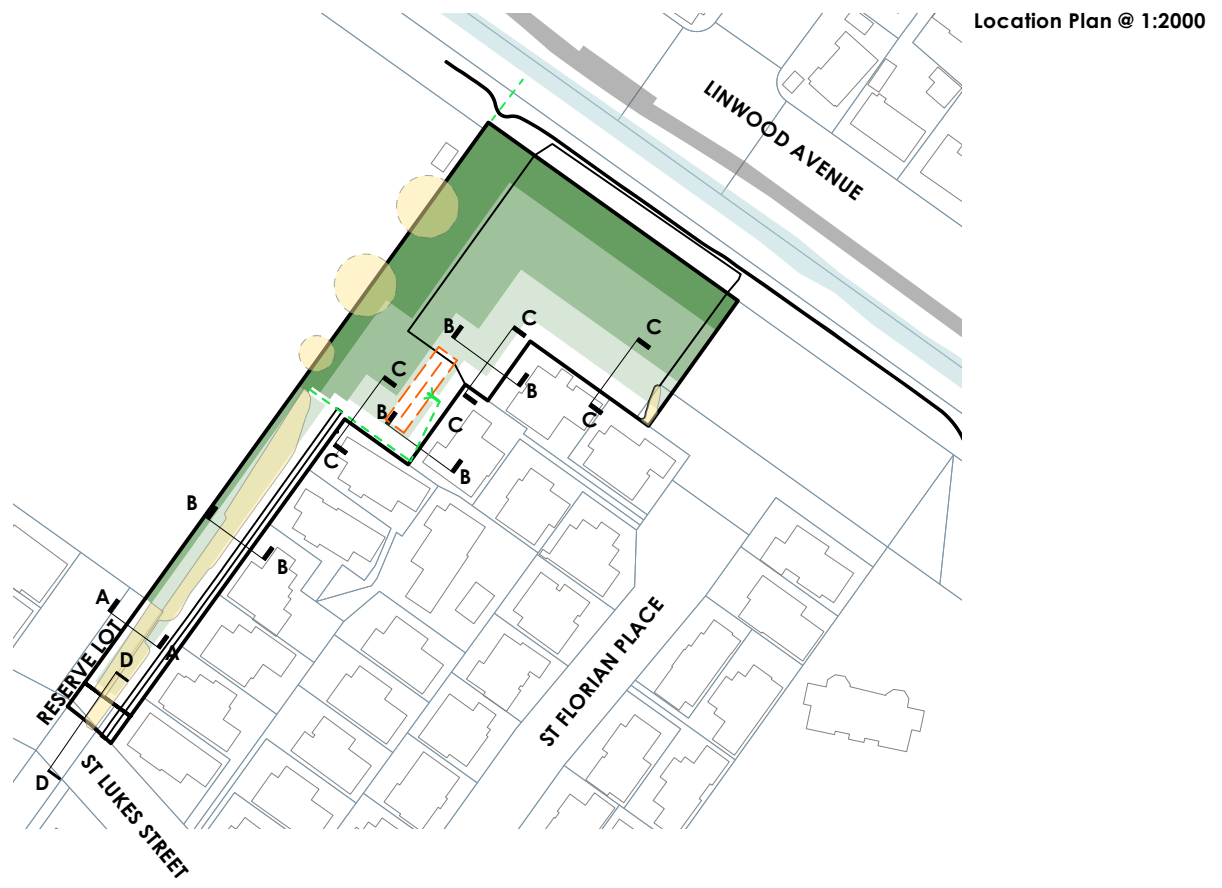




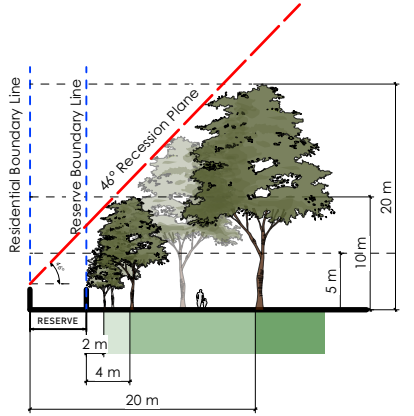
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 Community Park Tree Planting  
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**ST FLORIAN PARK**  
 Tree Planting Zones  
 Lot Boundary Cross Sections

**LEGEND**

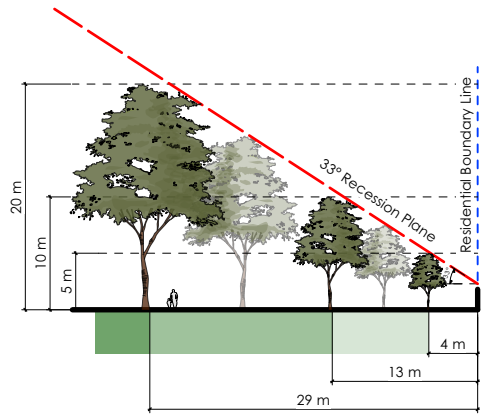
-  Existing Tree/  
Vegetation
- Existing Services
  -  Stormwater
  -  Drain Pipe
- Potential Tree Planting Areas
  -  5m - 10m  
Trees Height Zone
  -  10m - 20m  
Trees Height Zone
  -  20m+  
Trees Height Zone



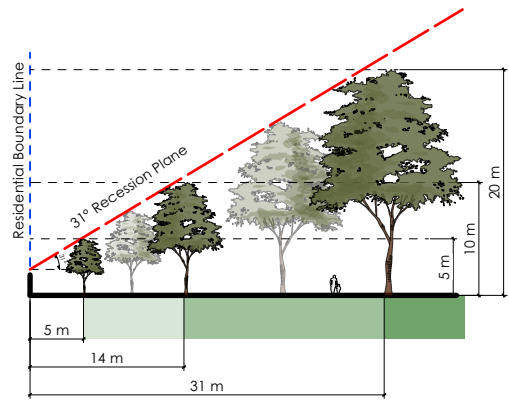
**INDICATIVE CROSS SECTION THROUGH BOUNDARIES**



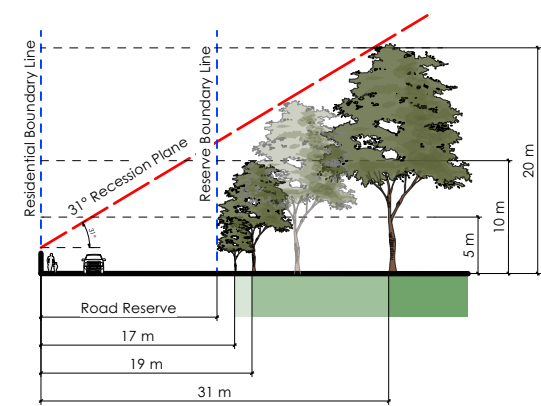
**Cross Section A-A**



**Cross Section B-B**



**Cross Section C-C**



**Cross Section D-D**

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**Kamo Marsh**  
 Te Uruli Building, 48 Hereford St, PO Box 2833, Christchurch 8140  
 Mountaineer Building, 32 Rees St, Queenstown 9300  
 T. 03 3668 181  
 E. admin@kamommarsh.co.nz  
 W. kamommarsh.co.nz

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# Winter Solstice

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

8 am



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**ST FLORIAN PARK**  
Shade Study - Winter Solstice  
8 am

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

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T. 03 3668 181  
E. admin@kamomash.co.nz  
W. kamomash.co.nz

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# Winter Solstice

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



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Shade Study - Winter Solstice  
10 am

10 am



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T. 03 3668 181  
E. admin@kamommarsh.co.nz  
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# Winter Solstice

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

12 noon



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## ST FLORIAN PARK

Shade Study - Winter Solstice

12 noon

Note:  
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E. admin@kamomash.co.nz  
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# Winter Solstice

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



## ST FLORIAN PARK

Community Park Tree Planting

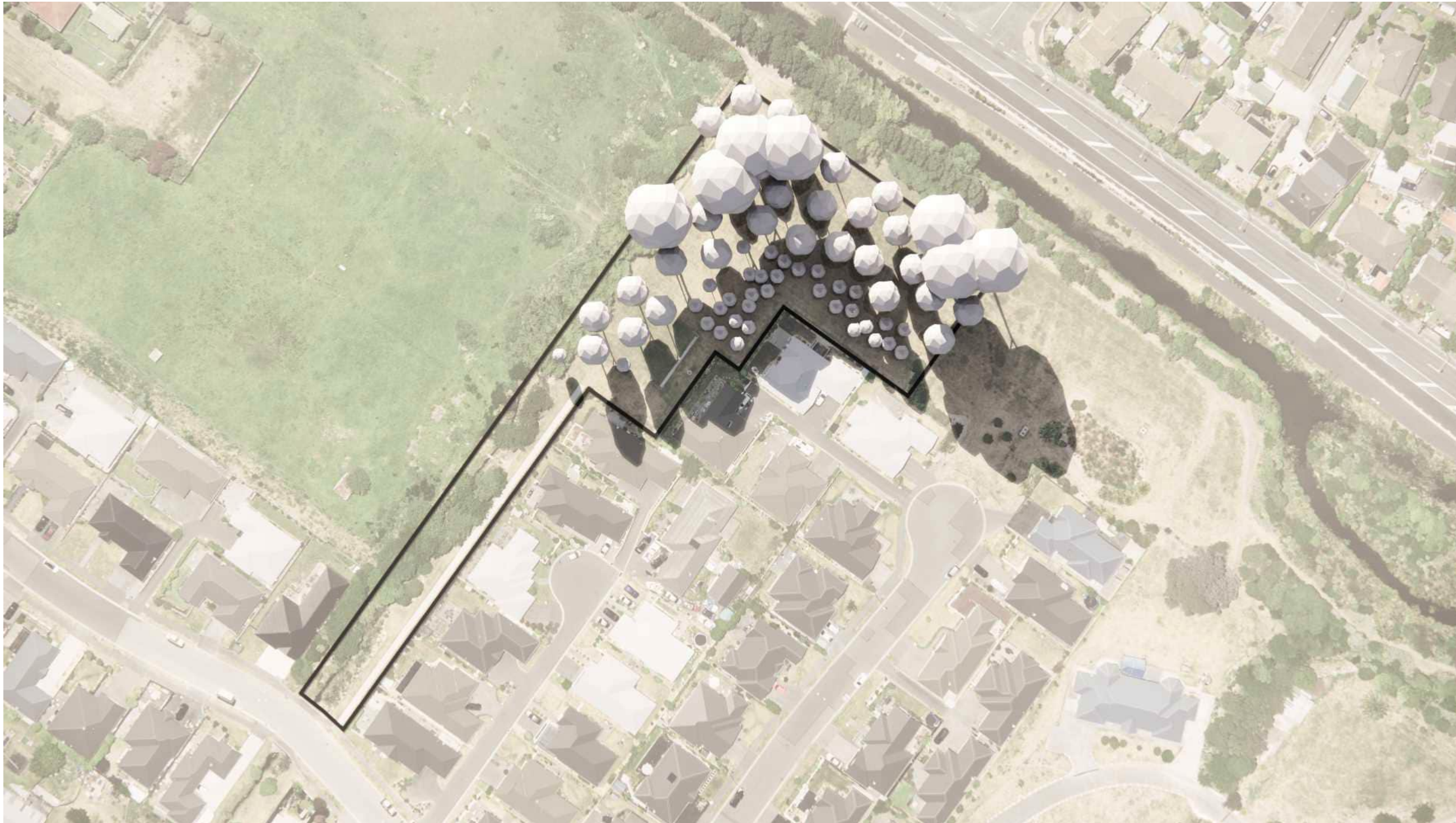
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**ST FLORIAN PARK**  
Shade Study - Winter Solstice

2 pm

2 pm



Note:  
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T. 03 3668 181  
E. admin@kamommarsh.co.nz  
W. kamommarsh.co.nz

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# Winter Solstice

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

4 pm



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**ST FLORIAN PARK**  
Shade Study - Winter Solstice

4 pm

Note:  
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E. admin@kamomash.co.nz  
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# Winter Solstice

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

6 pm



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### ST FLORIAN PARK

Shade Study - Winter Solstice

6 pm

Note:  
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PLANT SCHEDULE - ST FLORIAN PARK			
ID	Qty	Botanical Name	Common Name
<b>TREE HEIGHT 5-10M</b>			
Le.s.	5	Leptospermum scoparium	Tea Tree/Manuka
My.l.	7	Myoporum laetum	Ngaio
Ol.p.	9	Olearia paniculata	Akiraho
Pr.y.	5	Prunus yedoensis	Flowering Cherry
<b>TREE HEIGHT 11-15M</b>			
Ca.be.	2	Carpinus betulus	European Hornbeam
Pl.r.	9	Plagianthus regius	Ribbonwood / Manatu
Ti.c.	1	Tilia cordata	Small-leaved/Linden Lime
<b>TREE HEIGHT 16-20M</b>			
Ho.a.	4	Hoheria angustifolia	Narrow leafed lacebark / Houhere
Pi.eu.	1	Pittosporum eugenioides	Lemonwood / Tarata
Qu.pa.	1	Quercus palustris	Pin oak
So.m.	8	Sophora microphylla	Kowhai
<b>TREE HEIGHT 20M+</b>			
Po.t.	7	Podocarpus totara	Totara

**LEGEND**

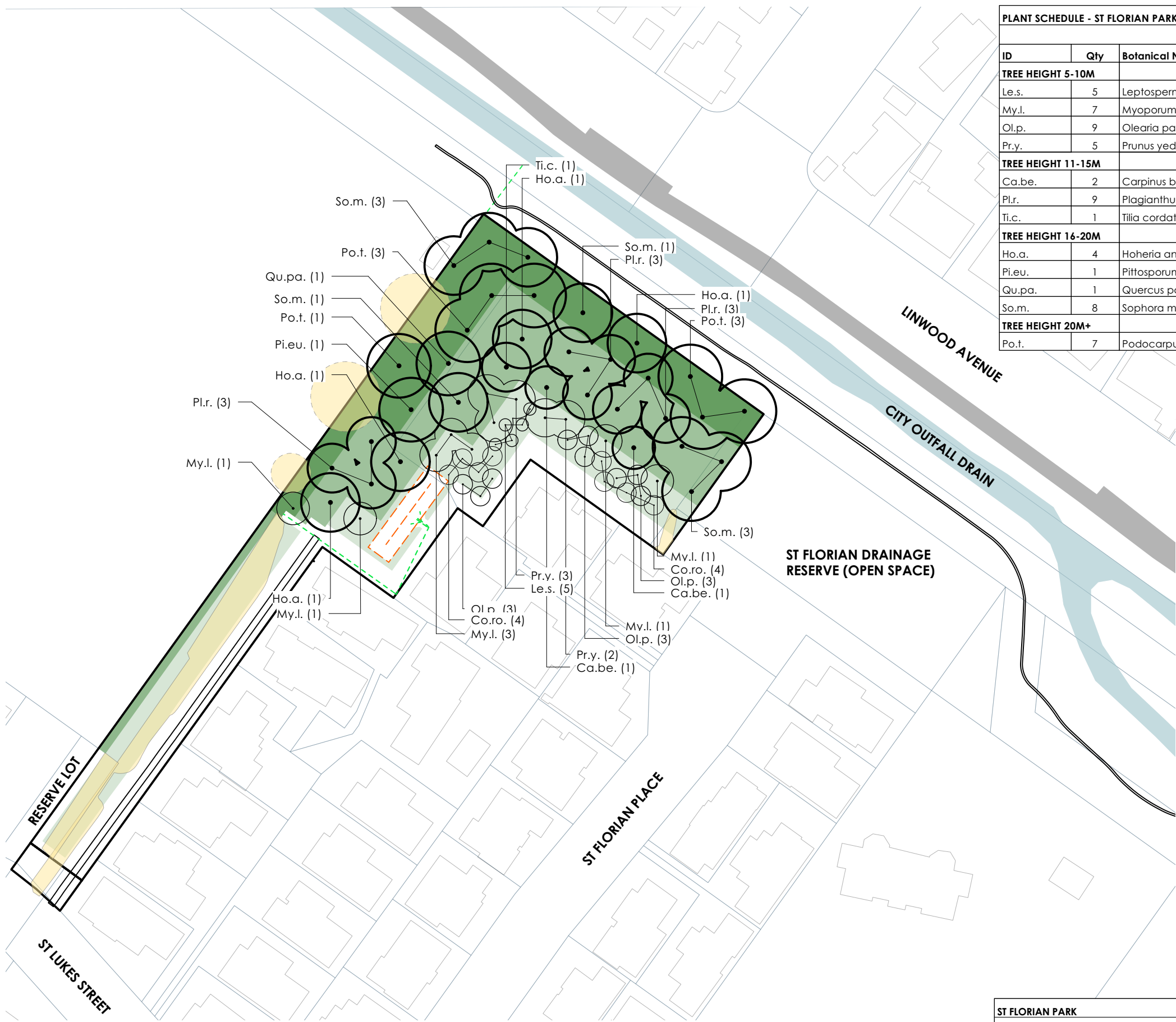
Existing Tree/Vegetation

Existing Services

- Stormwater
- Drain Pipe

Potential Tree Planting Areas

- 5m - 10m Trees Height Zone
- 10m - 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.

**DRAFT**

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Te Uruli Building, 48 Hereford St, PO Box 2833, Christchurch 8140  
Mountaineer Building, 32 Rees St, Queenstown 9300  
T. 03 3668 181  
E. admin@kamommarsh.co.nz  
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ST FLORIAN PARK			
Park Canopy Cover Summary			
Existing number of trees			12
Existing canopy cover	approx.		7%
Proposed number of new trees			61
Proposed net canopy cover (existing vegetation and proposed)	approx.		72%





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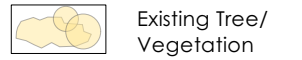
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**ST FLORIAN PARK**  
Tree Planting Guidelines

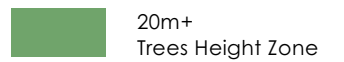
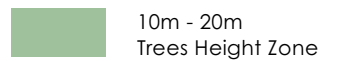
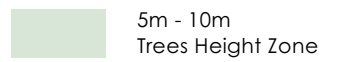
## LEGEND



Existing Services



Potential Tree Planting Areas



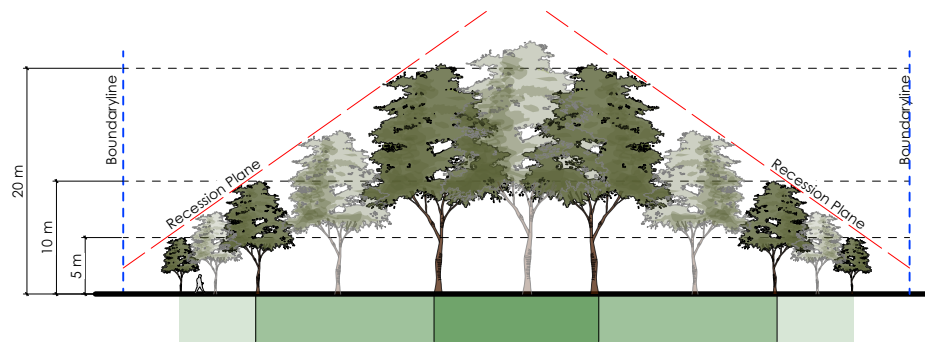
### Guideline Summary

- 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



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