

PROJECT NAME

# FERRYMEAD PARK

ADDRESS

81 Ferrymead Park Drive, Ferrymead, Christchurch

CLIENT

Christchurch City Council

## COMMUNITY PARK TREE PLANTING STUDY

Issued date

30/05/2023



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



PREPARED BY



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Community Park Tree Planting

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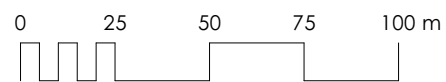
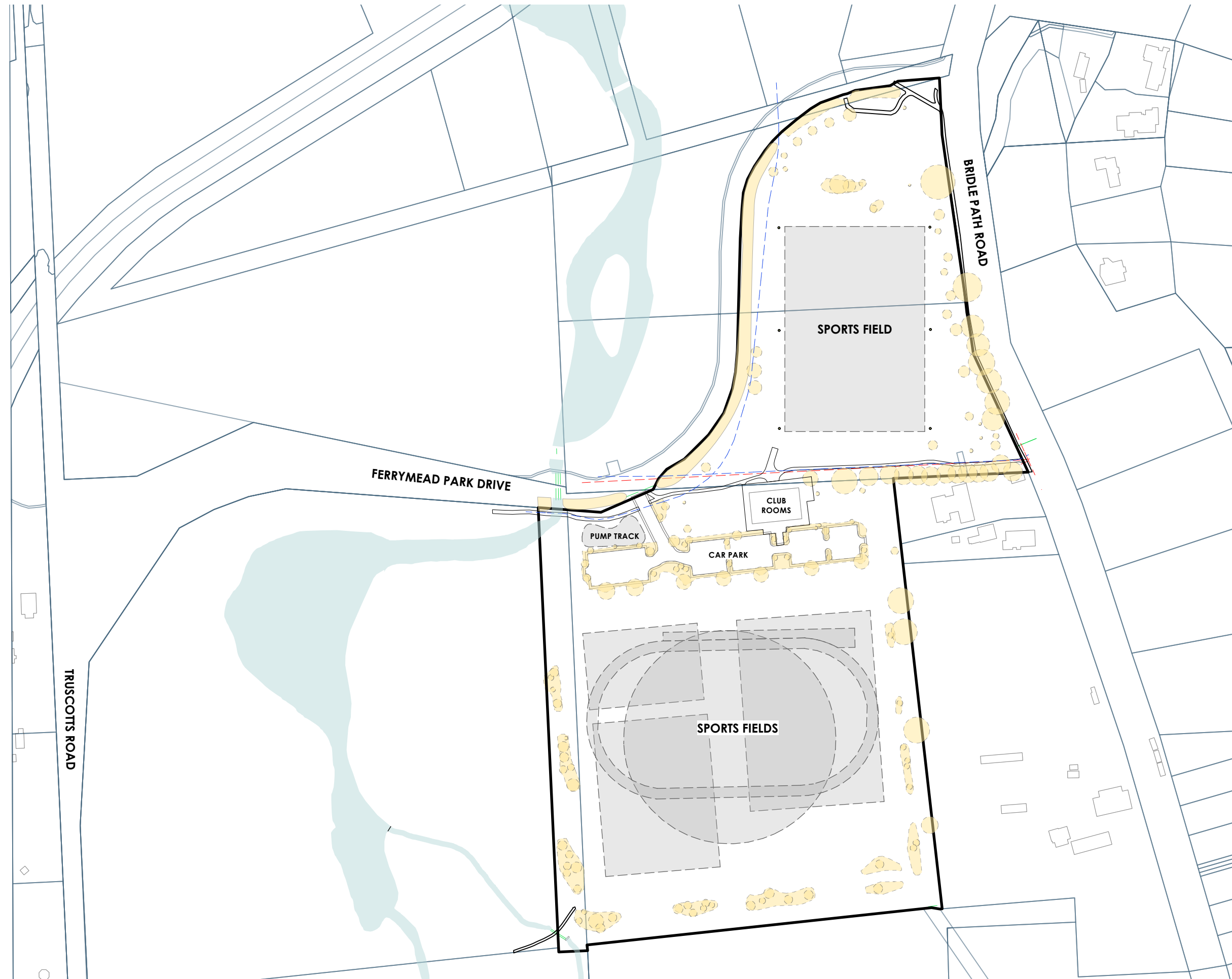
**FERRYMEAD PARK**  
Existing Planting

**LEGEND**

-  Existing Tree/  
Vegetation
-  Sports field/ Court

Existing Services

-  Stormwater
-  Water supply
-  Wastewater
-  Light



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**FERRYMEAD PARK**  
Tree Planting Zones




**LEGEND**

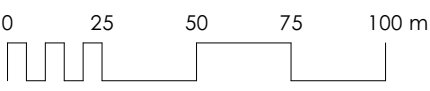
-  Existing Tree/  
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-  Sports field/ Court

Existing Services

-  Stormwater
-  Water supply
-  Wastewater
-  Light

Potential Tree Planting Areas

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



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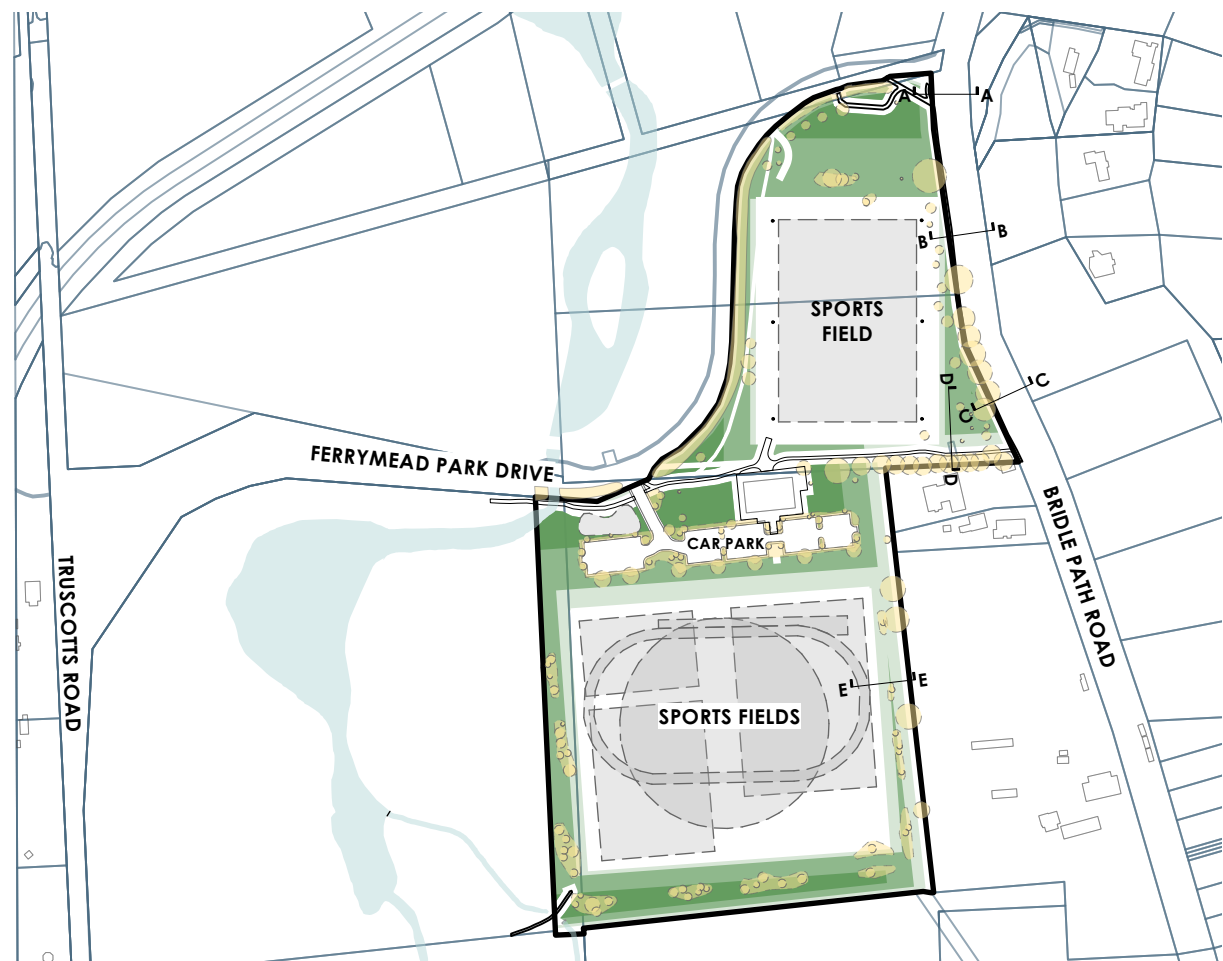


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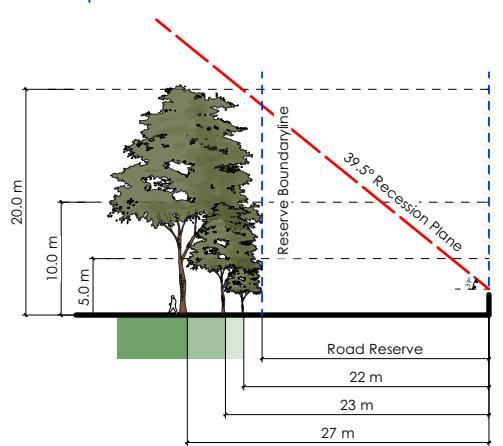
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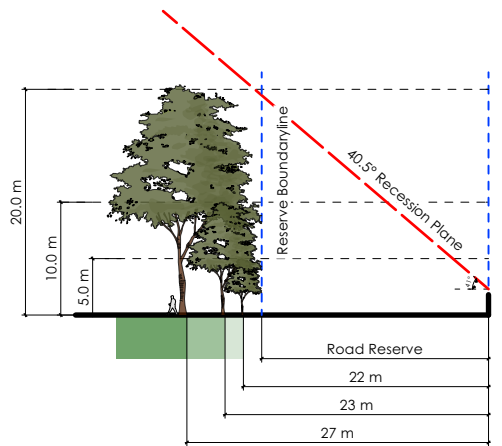
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 Community Park Tree Planting  
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**FERRYMEAD PARK**  
 Tree Planting Zones  
 Lot Boundary Cross Sections

- LEGEND**
- Existing Tree/Vegetation
  - Sports field/ Court
  - Existing Services
    - Stormwater
    - Water supply
    - Wastewater
    - Light
  - Potential Tree Planting Areas
    - 5m - 10m Trees Height Zone
    - 10m - 20m Trees Height Zone
    - 20m+ Trees Height Zone

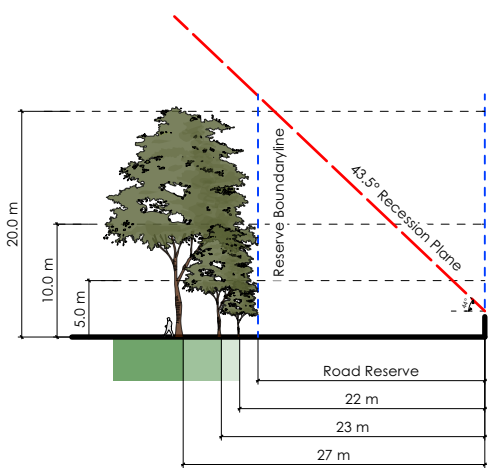
**INDICATIVE CROSS SECTION THROUGH THE BOUNDARIES**



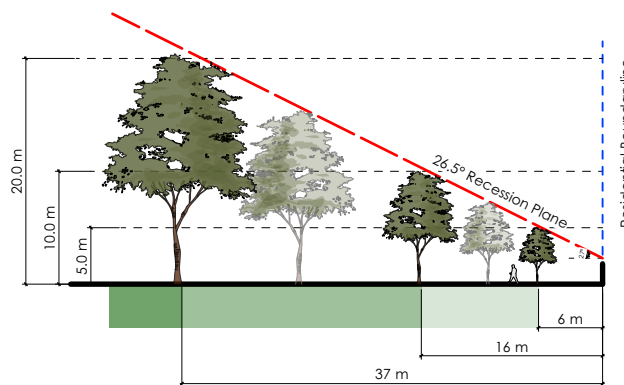
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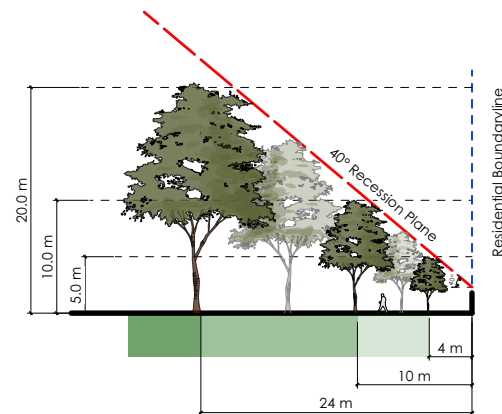
**Cross Section B-B**



**Cross Section C-C**



**Cross Section D-D**



**Cross Section E-E**

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# Winter Solstice

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

8 am



## FERRYMEAD PARK

Community Park Tree Planting

ADDRESS  
81 Ferrymead Park Drive,  
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## FERRYMEAD PARK

Shade Study - Winter Solstice

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

10 am



## FERRYMEAD PARK

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**FERRYMEAD PARK**  
Shade Study - Winter Solstice

10 am

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

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# Winter Solstice

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

12 noon



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**FERRYMEAD PARK**  
Shade Study - Winter Solstice

12 noon

Note:  
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# Winter Solstice

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

2 pm



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**FERRYMEAD PARK**  
Shade Study - Winter Solstice

2 pm

Note:  
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# Winter Solstice

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

4 pm



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**FERRYMEAD PARK**  
Shade Study - Winter Solstice

4 pm

Note:  
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# Winter Solstice

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

6 pm



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## FERRYMEAD PARK

Shade Study - Winter Solstice

6 pm

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

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PLANT SCHEDULE - FERRYMEAD PARK			
ID	Qty	Botanical Name	Common Name
<b>TREE HEIGHT 5-10M</b>			
Ar. s.	22	Aristotelia serrata	Wineberry/Makamako
Ho.l.	9	Hoheria lyallii	Mountain Lacebark
My.l.	45	Myoporum laetum	Ngaio
Pi.t.	13	Pittosporum tenuifolium	Kohuhu
Pr.y	18	Prunus yedoensis	Flowering Cherry
<b>TREE HEIGHT 11-15M</b>			
Pl.r.	23	Plagianthus regius	Ribbonwood / Manatu
Qu.i	20	Quercus ilex	Holly Oak
Ti.c.	3	Tilia cordata	Small-leaved/Linden Lime
Ul.p	3	Ulmus parvifolia	Chinese Elm
<b>TREE HEIGHT 16-20M</b>			
Al.c	3	Alnus cordata	Italian Alder
Ho.a.	17	Hoheria angustifolia	Narrow leafed lacebark / Houhere
Pi.eu.	4	Pittosporum eugenioides	Lemonwood / Tarata
Qu.p	35	Quercus palustris	Pin Oak
So.m.	9	Sophora microphylla	Kowhai
<b>TREE HEIGHT 20M+</b>			
Po.t.	14	Podocarpus totara	Totara
Qu.c	6	Quercus cerris	Turkey Oak
Se.g	1	Sequoiadendron giganteum	Giant Sequoia

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**FERRYMEAD PARK**  
Tree Planting Plan

**LEGEND**  
 Existing Tree/Vegetation  
 Sports field/ Court

Existing Services  
 Stormwater  
 Water supply  
 Wastewater  
 Light

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.

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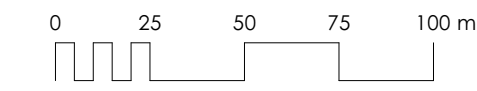
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FERRYMEAD PARK		
Park Canopy Cover Summary		
Existing number of trees		141
Existing canopy cover	approx.	10%
Proposed number of new trees		245
Proposed net canopy cover (existing vegetation and proposed)	approx.	42%



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**FERRYMEAD PARK**  
Tree Planting Guidelines


## LEGEND

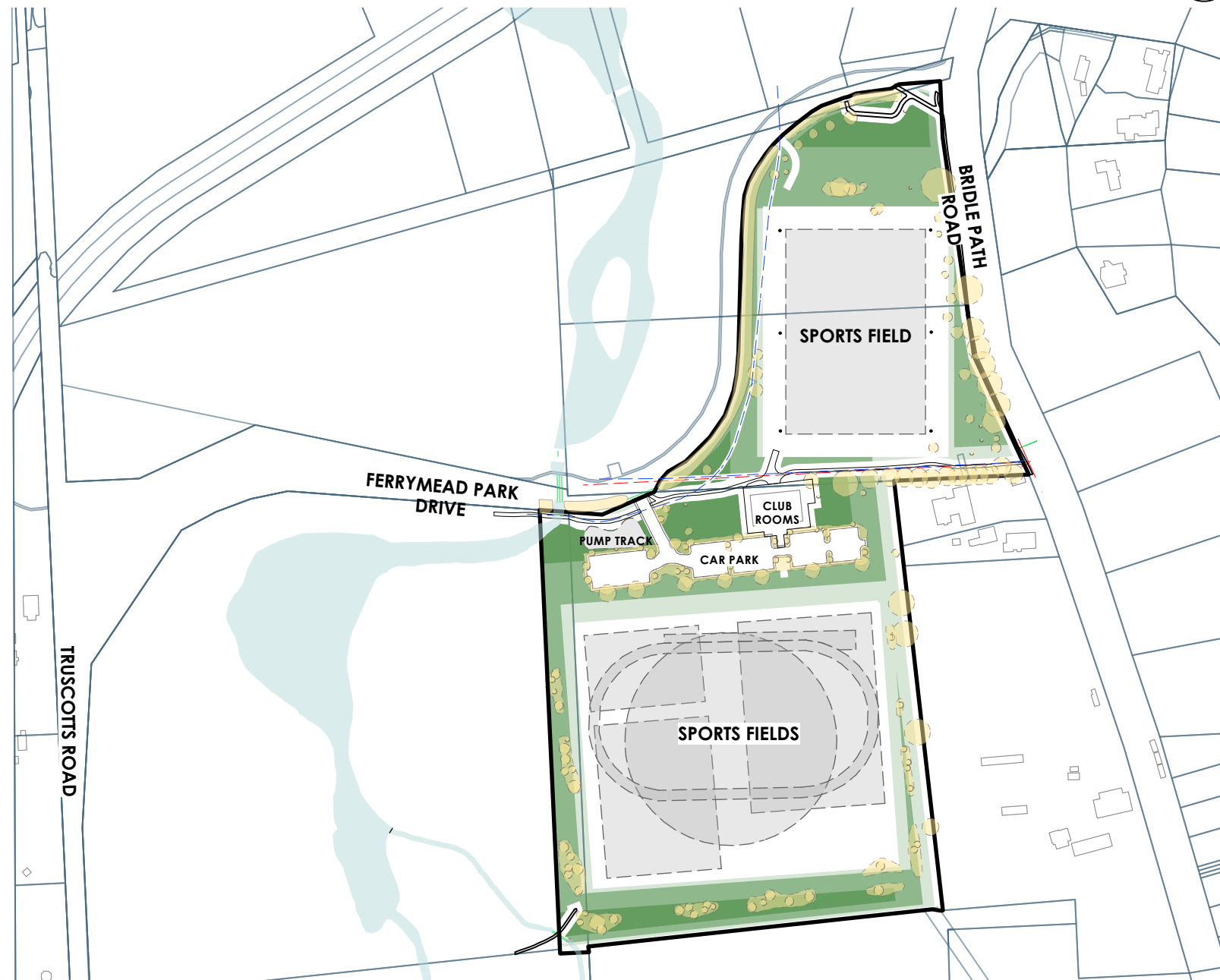
-  Existing Tree/ Vegetation
-  Sports field/ Court

## Existing Services

-  Stormwater
-  Water supply
-  Wastewater
-  Light

## Potential Tree Planting Areas

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



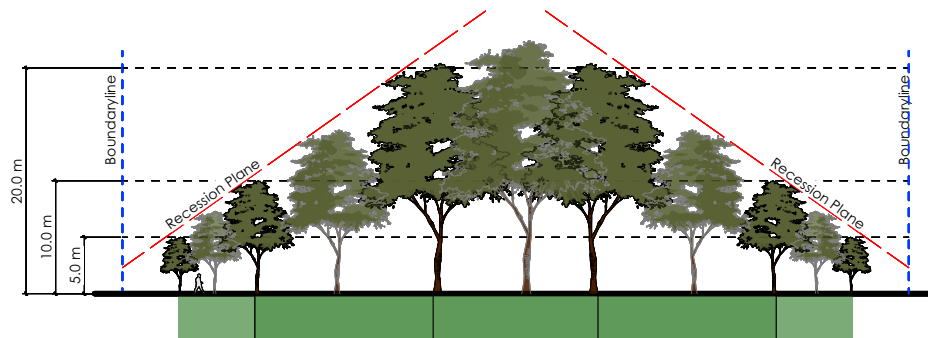
## Guideline Summary

- 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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