

PROJECT NAME

BRANSTON PARK

ADDRESS

18 Witham Street, Hornby, Christchurch

CLIENT

Christchurch City Council

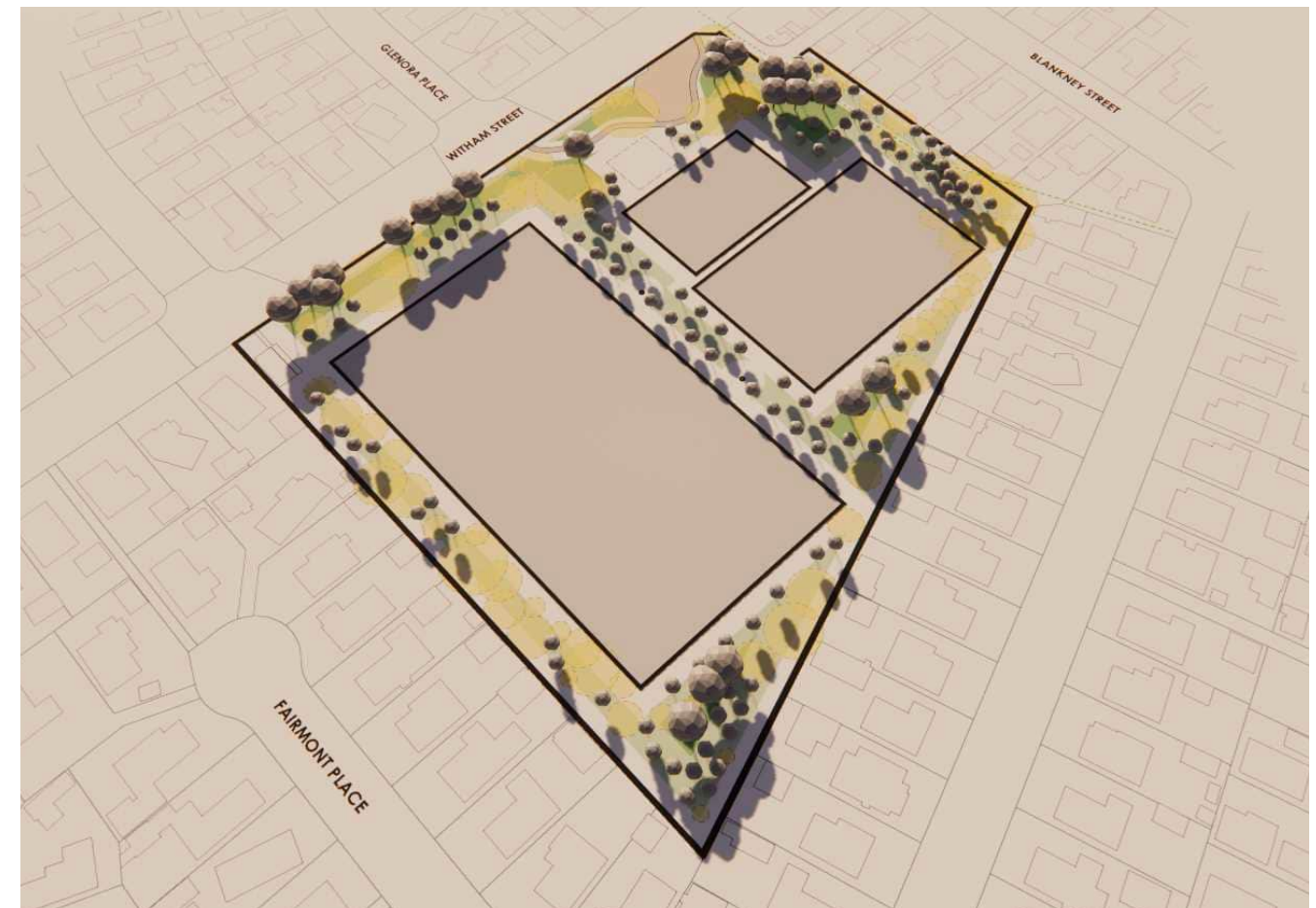
Cover Sheet

Issued date

1/03/2023



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P 00	Branston Park	Community Park Tree Planting Study
P 01	Branston Park	Existing Planting
P 02	Branston Park	Tree Planting Zones
P 03	Branston Park	Lot Boundary Cross Sections
P 04	Branston Park	Sports Field Cross Sections
P 05	Branston Park	Shade Study - Winter Solstice - 8 am
P 06	Branston Park	Shade Study - Winter Solstice - 10 am
P 07	Branston Park	Shade Study - Winter Solstice - 12 noon
P 08	Branston Park	Shade Study - Winter Solstice - 2 pm
P 09	Branston Park	Shade Study - Winter Solstice - 4 pm
P 10	Branston Park	Shade Study - Winter Solstice - 6 pm
P 11	Branston Park	Indicative Tree Planting Plan
P 12	Branston 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 W. kamommarsh.co.nz

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5323



BRANSTON PARK

Community Park Tree Planting

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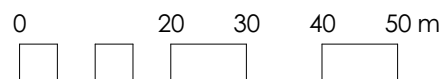
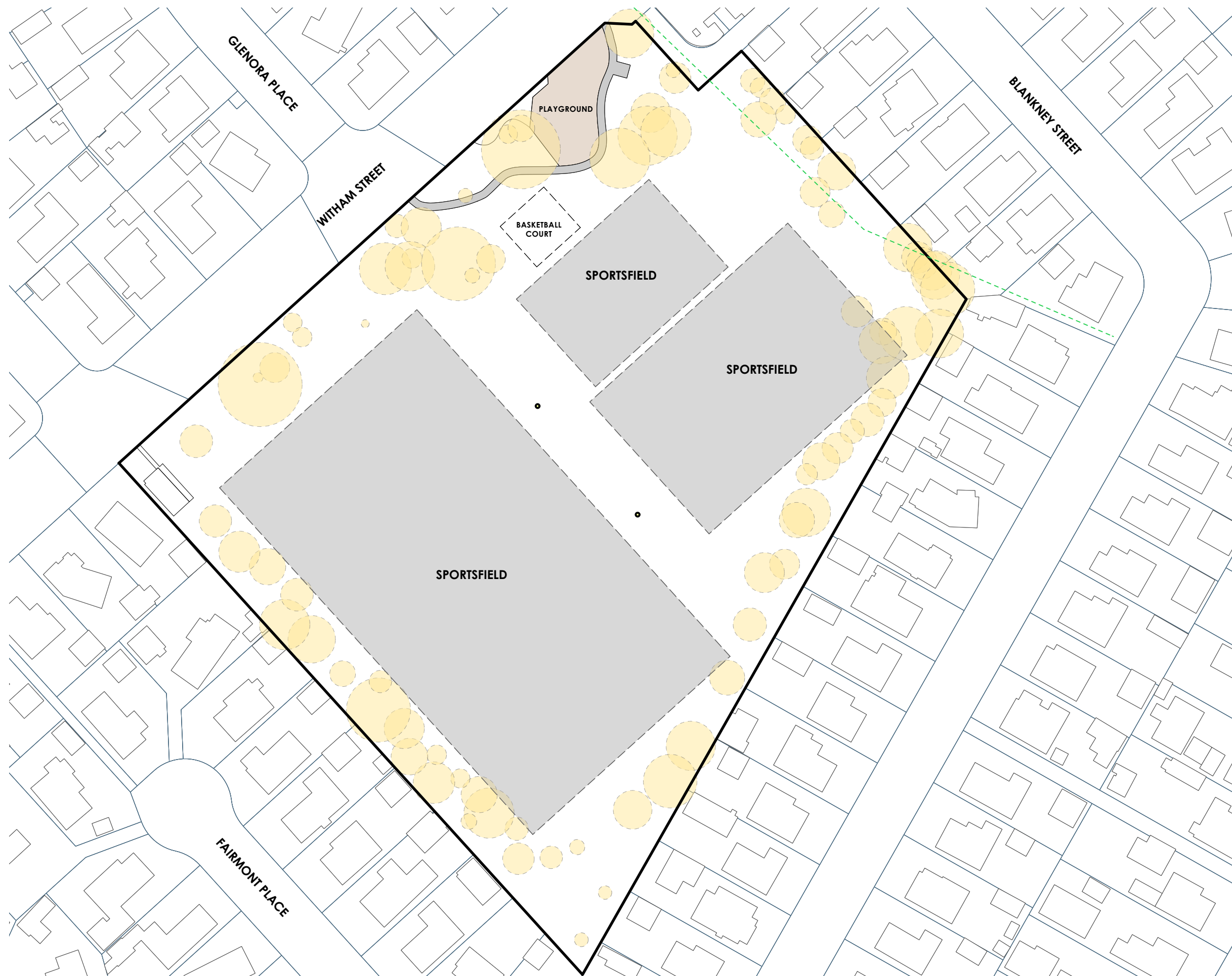
Branston Park
Existing Planting

LEGEND

-  Existing Tree/
Vegetation
-  Sports field/ Court

Existing Services

-  Stormwater
-  Light



REV	DATE	BY	ISSUE
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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
W. kamommarsh.co.nz

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BRANSTON PARK

Community Park Tree Planting

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Branston Park
Tree Planting Zones

LEGEND

- Existing Tree/
Vegetation
- Sports field/ Court

- Existing Services
- Stormwater
 - Light

- Potential Tree Planting Areas
- 5m - 10m
Trees Height Zone
 - 10m - 20m
Trees Height Zone



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BRANSTON PARK

Community Park Tree Planting

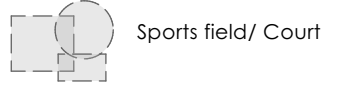
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Branston Park
Tree Planting Zones

Lot Boundary Cross Sections

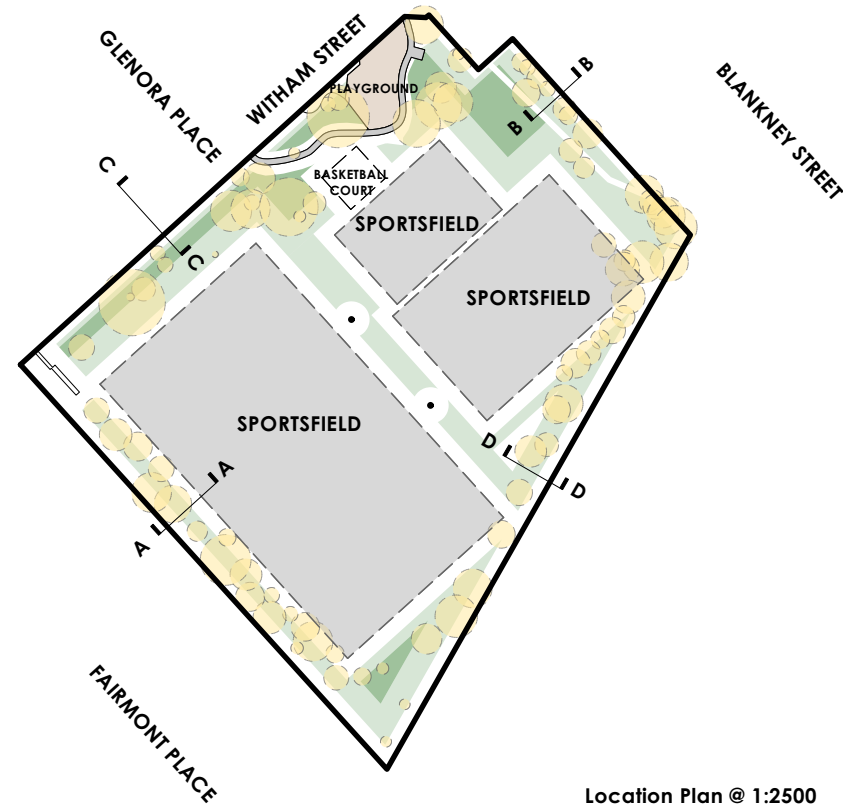
LEGEND



- Existing Services
- Stormwater (dashed green line)
 - Light (yellow circle)

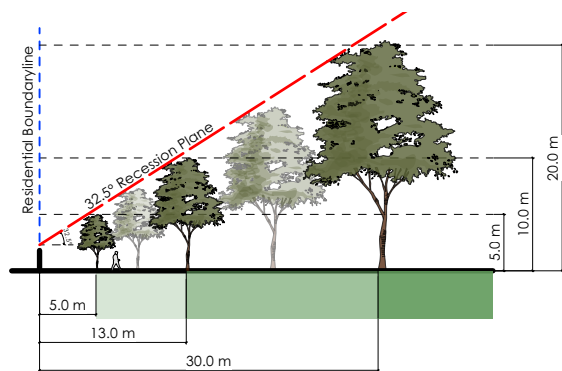
Potential Tree Planting Areas

- 5m - 10m Trees Height Zone (light green)
- 10m - 20m Trees Height Zone (medium green)
- 20m+ Trees Height Zone (dark green)

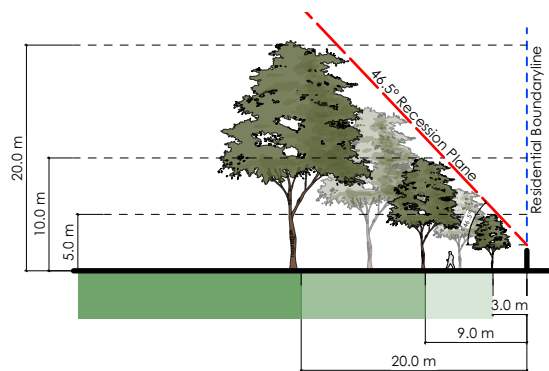


Location Plan @ 1:2500

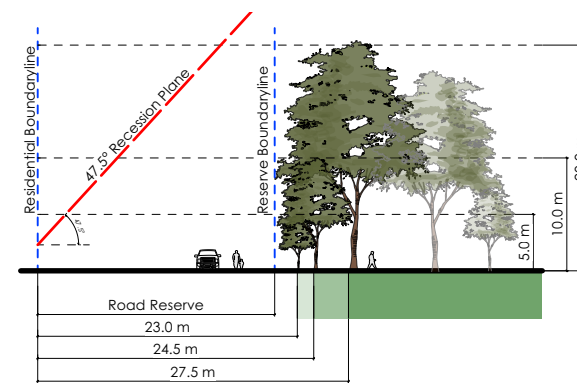
INDICATIVE CROSS SECTION THROUGH THE BOUNDARIES



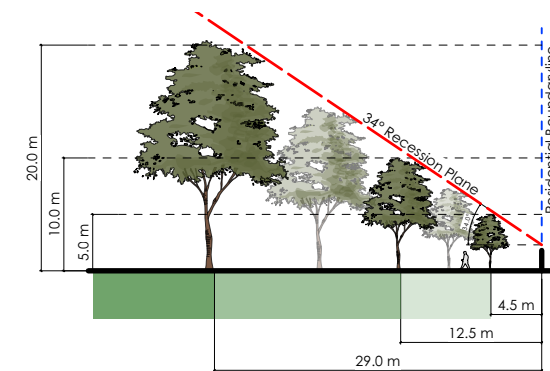
Cross Section A-A



Cross Section B-B



Cross Section C-C



Cross Section D-D

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Mountaineer Building, 32 Rees St, Queenstown 9300

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

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BRANSTON PARK

Community Park Tree Planting

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Branston Park

Tree Planting Zones

Sports Field Cross Sections

LEGEND

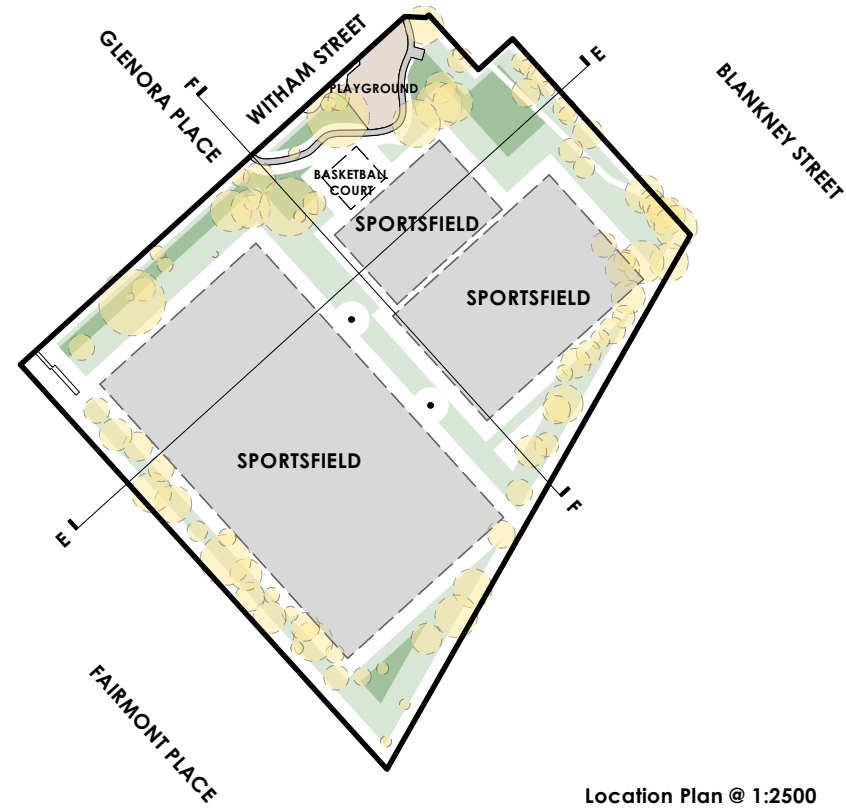
- Existing Tree/ Vegetation
- Sports field/ Court

Existing Services

- Stormwater
- Light

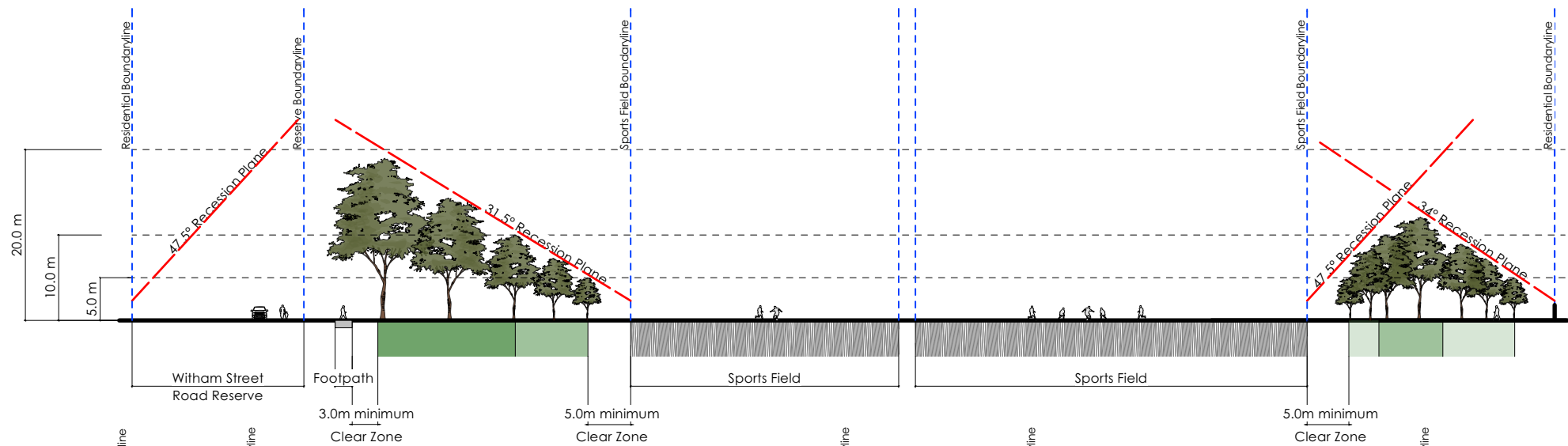
Potential Tree Planting Areas

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

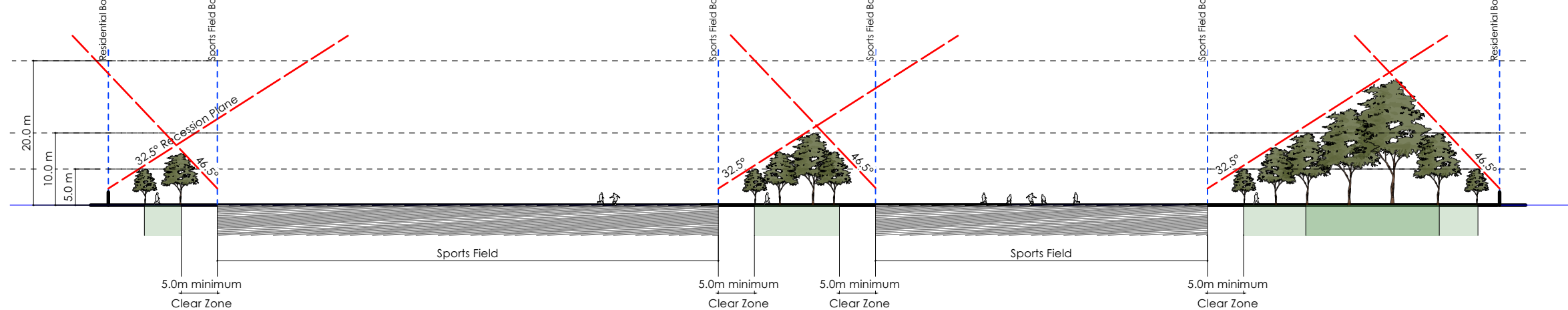


Location Plan @ 1:2500

INDICATIVE CROSS SECTION THROUGH THE SPORTS FIELD



Sports Field Cross Section E-E



Sports Field Cross Section F-F

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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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Winter Solstice

Date: 22nd June



BRANSTON PARK

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Branston Park

Shade Study - Winter Solstice

8AM

8AM



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

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Winter Solstice

Date: 22nd June

10AM



BRANSTON PARK

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Shade Study - Winter Solstice

10AM

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Winter Solstice

Date: 22nd June



BRANSTON PARK

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12NOON

12NOON



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W. kamommarsh.co.nz

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Winter Solstice

Date: 22nd June



BRANSTON PARK

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Shade Study - Winter Solstice

2PM

2PM



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Winter Solstice

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Shade Study - Winter Solstice

4PM

Note:
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4PM



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Winter Solstice

Date: 22nd June

6PM



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Note:
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BRANSTON PARK

Community Park Tree Planting

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Branston Park
Indicative Tree Planting Plan

LEGEND

-  Existing Tree/ Vegetation
-  Sports field/ Court

Existing Services

-  Stormwater
-  Light

Potential Tree Planting Areas

-  5m - 10m Trees Height Zone
-  10m - 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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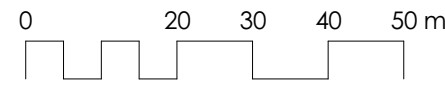
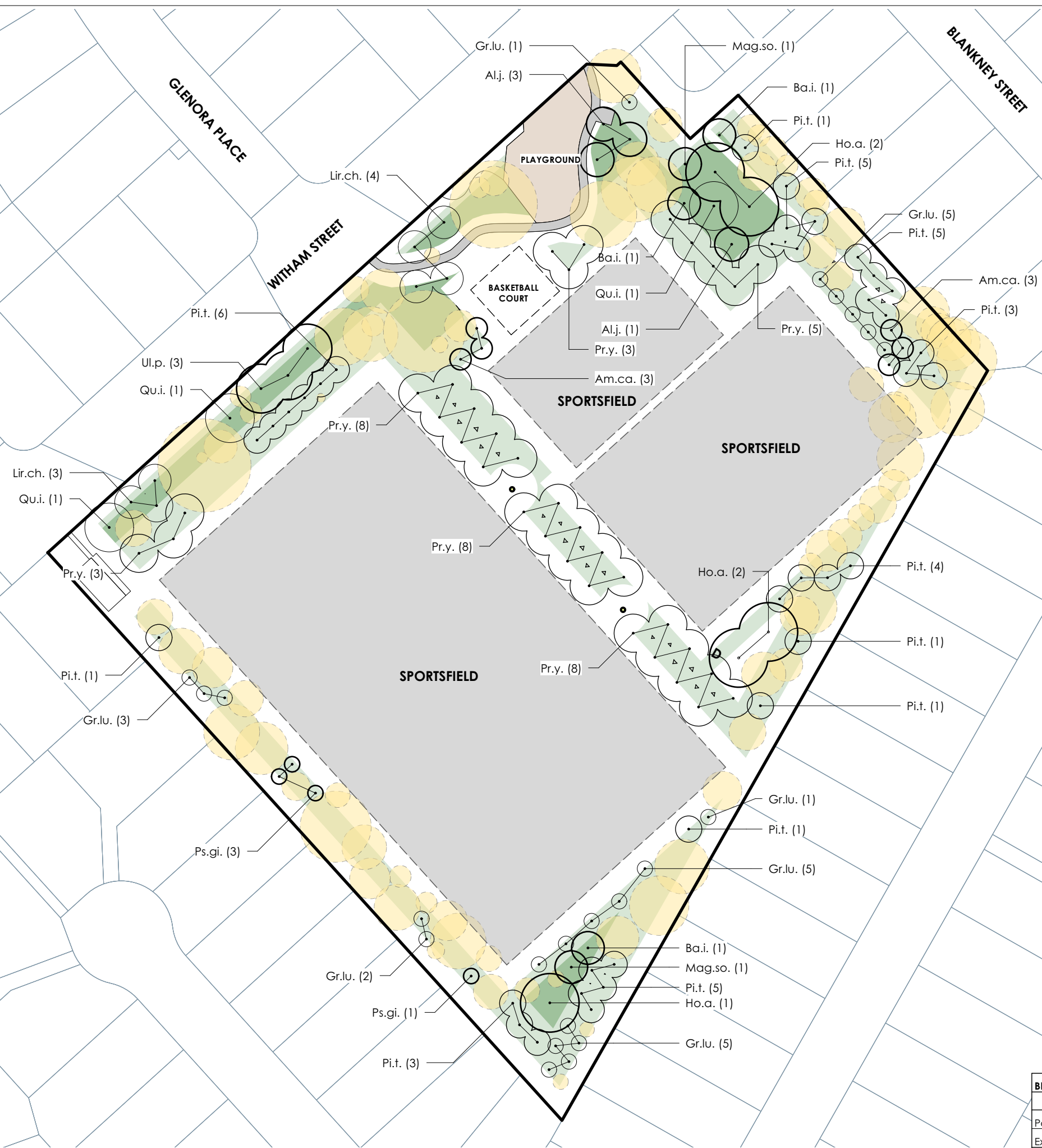
PLANT SCHEDULE - BRANSTON PARK

ID	Qty	Botanical Name	Common Name
TREE HEIGHT 5-10M			
Am.ca.	6	Amelanchier canadensis	Canadian Serviceberry
Ba.i.	3	Banksia integrifolia	Coast Banksia
Gr.lu.	22	Griselinia lucida	Puka/Broadleaf
Lir.ch.	7	Liriodendron chinense	Chinese Tulip Tree
Mag.so.	2	Magnolia x soulangeana	Saucer Magnolia
Pi.t.	36	Pittosporum tenuifolium	Kohuhu
Pr.y.	35	Prunus yedoensis	Flowering Cherry
Ps.gi.	4	Pseudopanax gilliesii	Karo
TREE HEIGHT 11-15M			
Al.j.	4	Albizia julibrissin	Silk Tree
Qu.i.	3	Quercus ilex	Holm/Holly Oak
Ul.p.	3	Ulmus parvifolia	Chinese Elm
TREE HEIGHT 16-20M			
Ho.a.	5	Hoheria angustifolia	Narrow leafed lacebark / Houhere

BRANSTON PARK

Park Canopy Cover Summary

Existing number of trees		121
Existing canopy cover	approx.	19%
Proposed number of new trees		130
Proposed net canopy cover (existing vegetation and proposed)	approx.	36%





BRANSTON PARK

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Branston Park
Tree Planting Guidelines

LEGEND

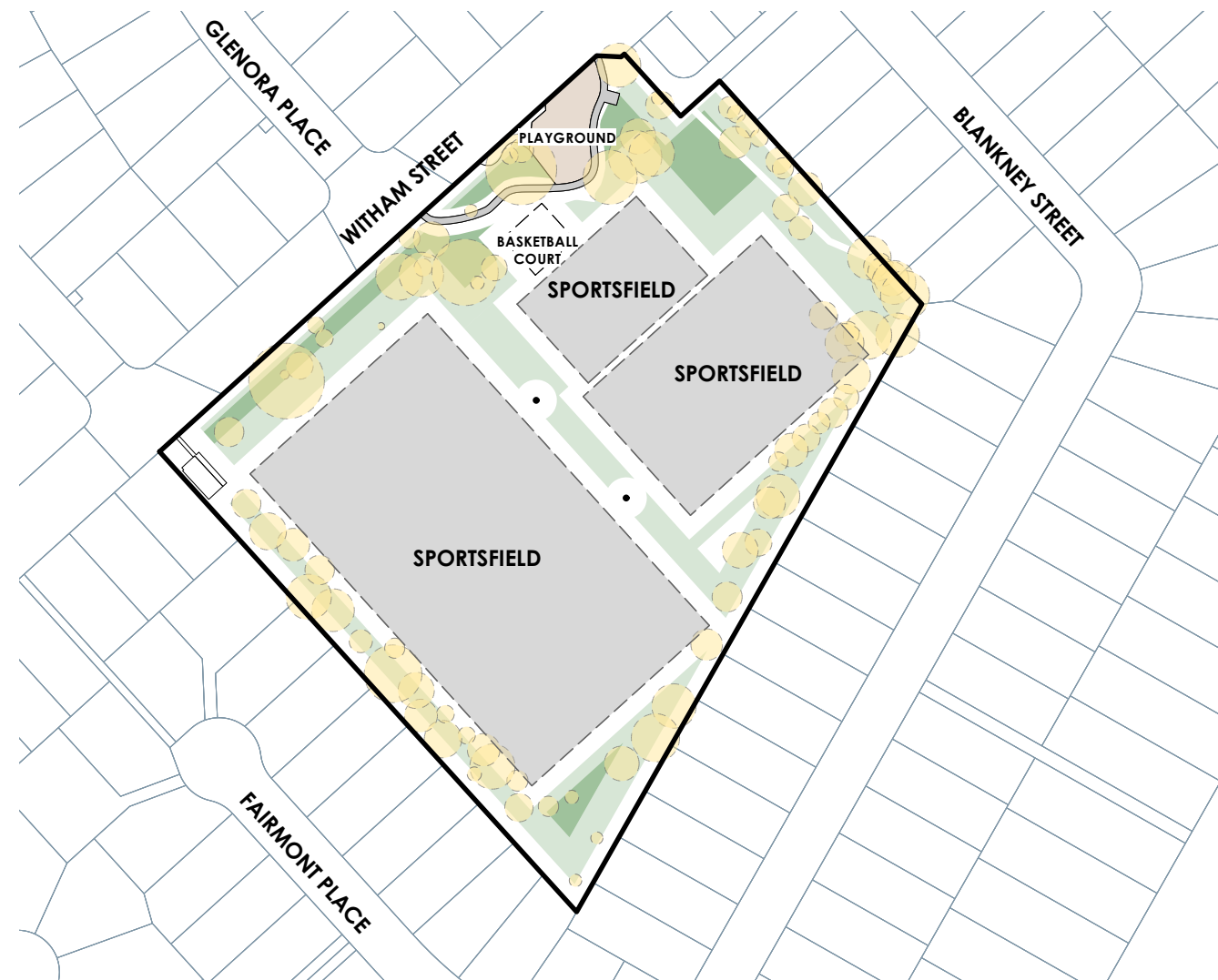
- Existing Tree/ Vegetation
- Sports field/ Court

Existing Services

- Stormwater
- Light

Potential Tree Planting Areas

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



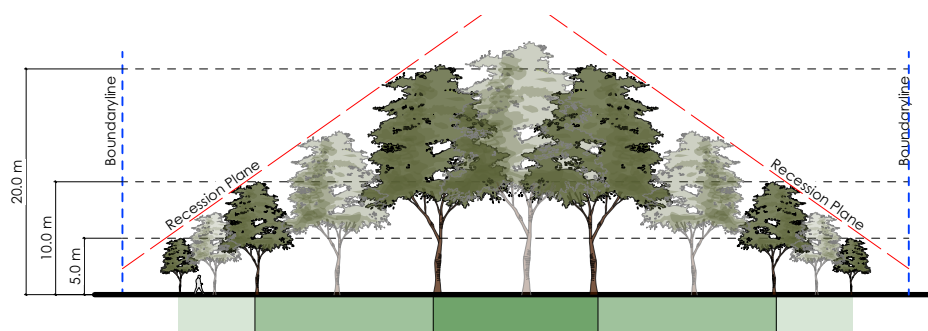
Guideline Summary

- 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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