



Urban Forest Tree Planting Holmes Park

PROJECT NUMBER: **BM230857** Concept Design

PROJECT ADDRESS: 18 English Street,
Sockburn,
Christchurch 8042

CLIENT: Christchurch City Council

CLIENT ADDRESS: 53 Hereford Street
Christchurch Central
Christchurch 8013
New Zealand



Boffa Miskell Limited
Level 1
141 Cambridge Terrace
Christchurch 8013
New Zealand
Tel: +64 3 366 8891
www.boffamiskell.co.nz

REV	DATE	DESCRIPTION
A	05.03.24	Concept Design
B	12.04.24	Concept Design

SHEET INDEX

- 100 Preliminary & General**
 - 100 Cover Sheet
- 200 Plans**
 - 200 Existing Site
 - 210 Tree Height Capacities
- 300 Sections**
 - 300 Cross Section Studies of Potential Tree Heights Sheet 01
 - 301 Cross Section Studies of Potential Tree Heights Sheet 01
- 400 Details**
 - 400 Shading Study - Summer - Morning
 - 401 Shading Study - Summer - Afternoon
 - 402 Shading Study - Winter - Morning
 - 403 Shading Study - Winter - Afternoon
- 500 Planting**
 - 500 Planting Plan



ORIGINAL IN COLOUR



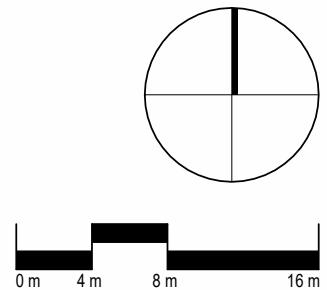
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LEGEND

- Existing Canopy Cover
- Existing Lower Vegetation
- Existing Pathways and Features
- Future Developments

Vegetation cover mapped based on CCC aerial photography dated 17 November 2023, with site visit to verify existing conditions.

Existing Specimen Trees - 39
Existing Canopy Cover - 3183.80 m² 28.9% Canopy coverage to existing site



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APr
HCo
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Urban Forest Tree Planting
Holmes Park

Existing Site

Design	HCo	Scale	Date
Drawn	ARo	1:400 @ A1	05.03.2024
Check	GRo	1:800 @ A3	

Concept Design

DRAWING NO.	REVISION
BM230857_200	B

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LEGEND

20m+ Tree Height Area

10 - 20m Tree Height Area

5 - 10m Tree Height Area

Areas of Future Developments

The Tree Height Capacity model is derived from the following rules, supplied by CCC:

No tree shall intrude through the recession plane at maturity

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. of 1m offset for all other services and hard paving not mentioned above

0m

4m

8m

16m

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A 05.03.24

B 12.04.24

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Urban Forest Tree Planting

Holmes Park

Tree Height Capacities

Design HCo

Drawn ARo

Check GRO

Scale

1:400 @ A1

1:800 @ A3

Date

05.03.2024

Concept Design

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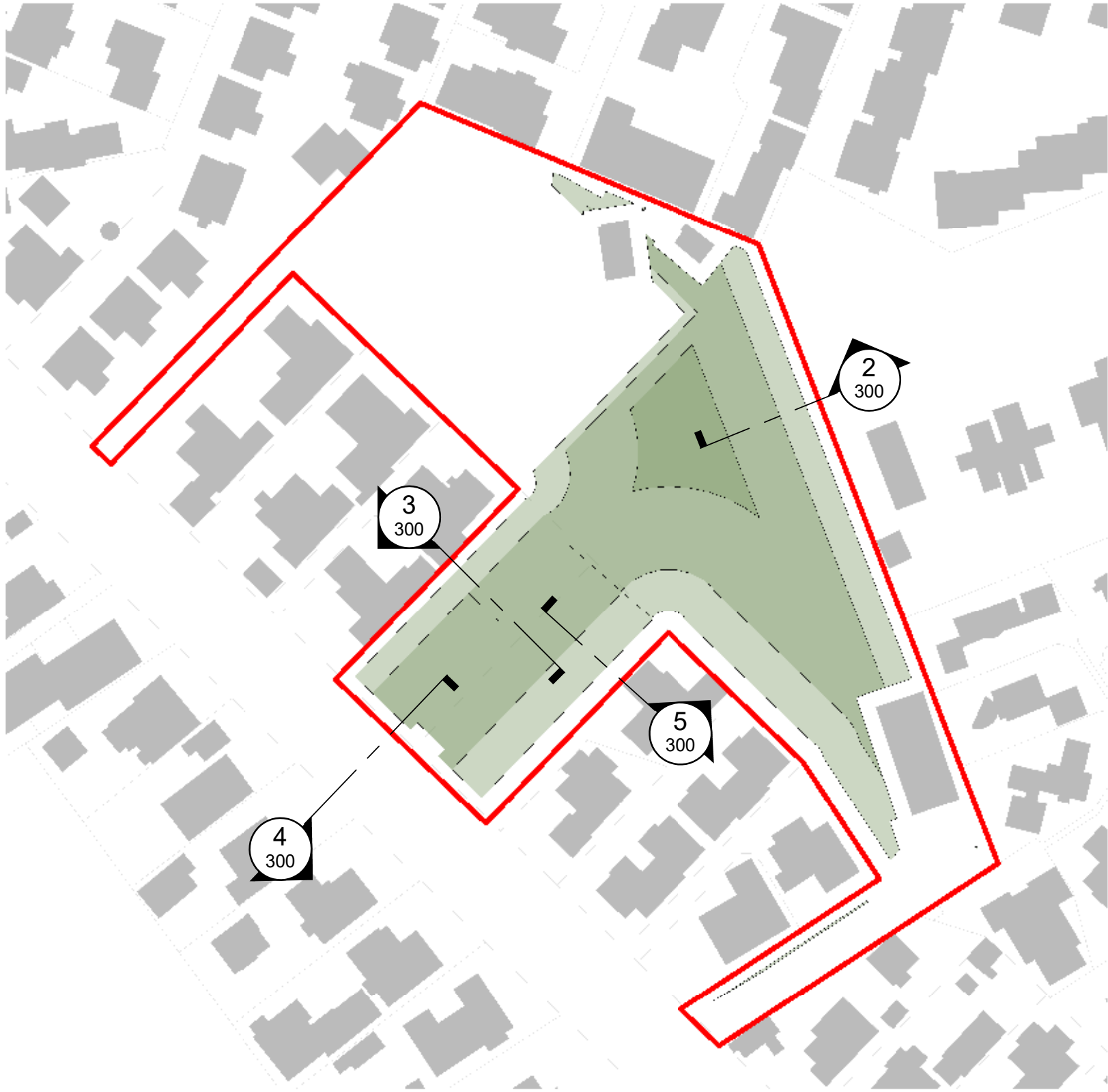
BM230857_210

REVISION

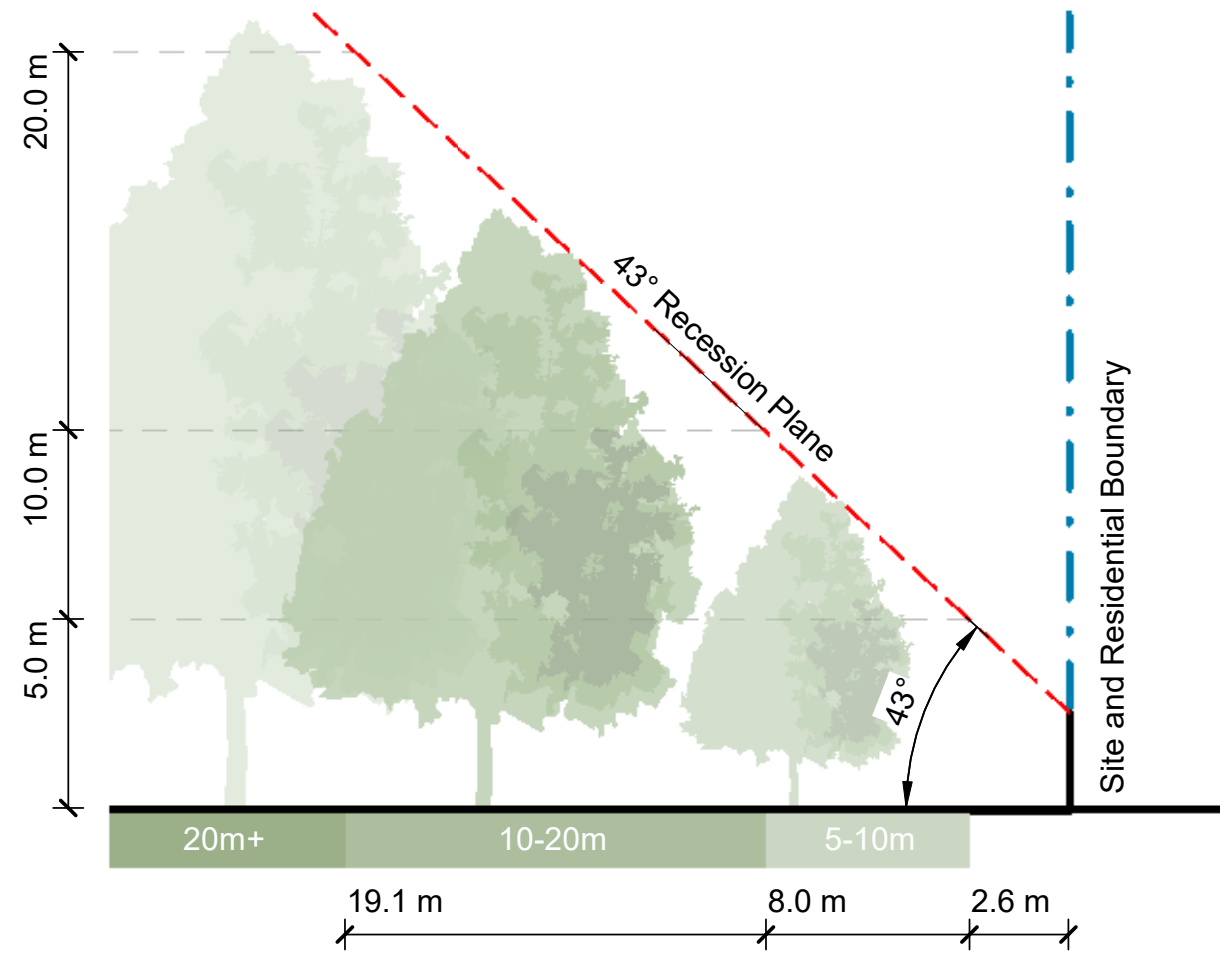
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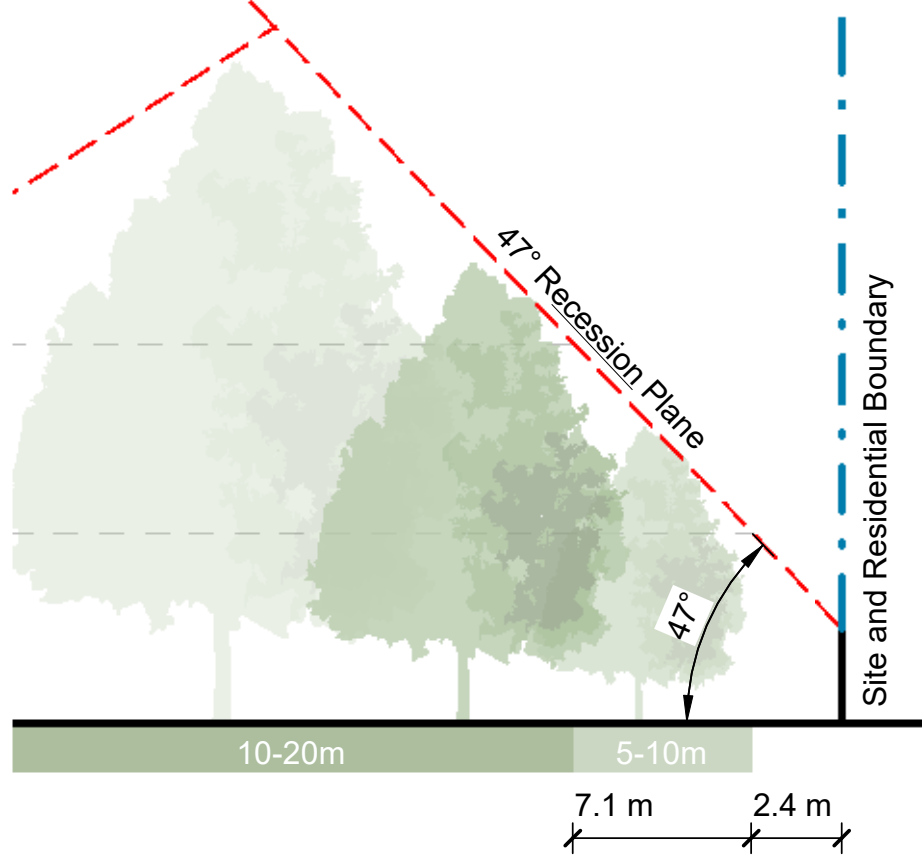
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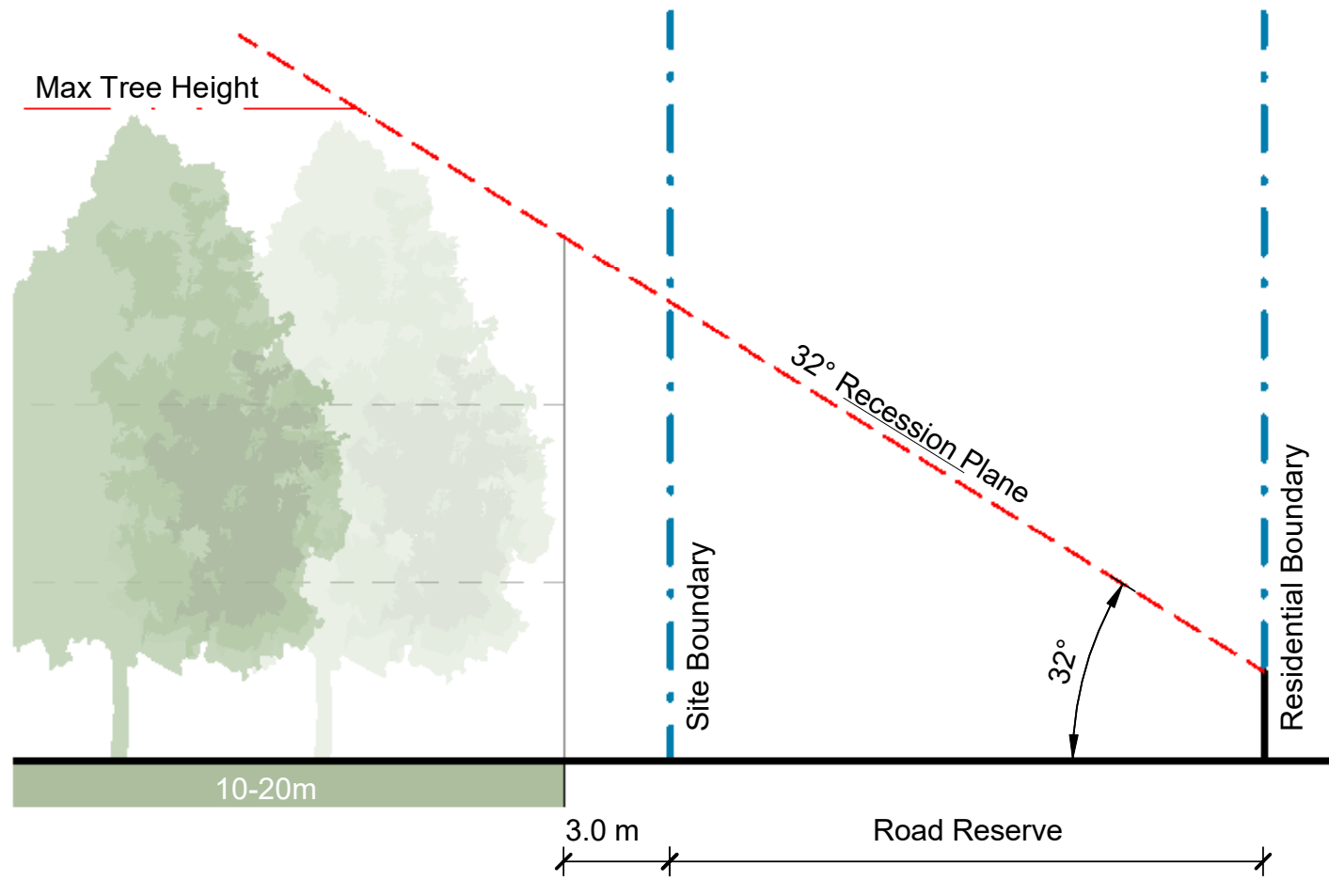
1 Sections - Boundary Plan
Scale: 1 : 1000



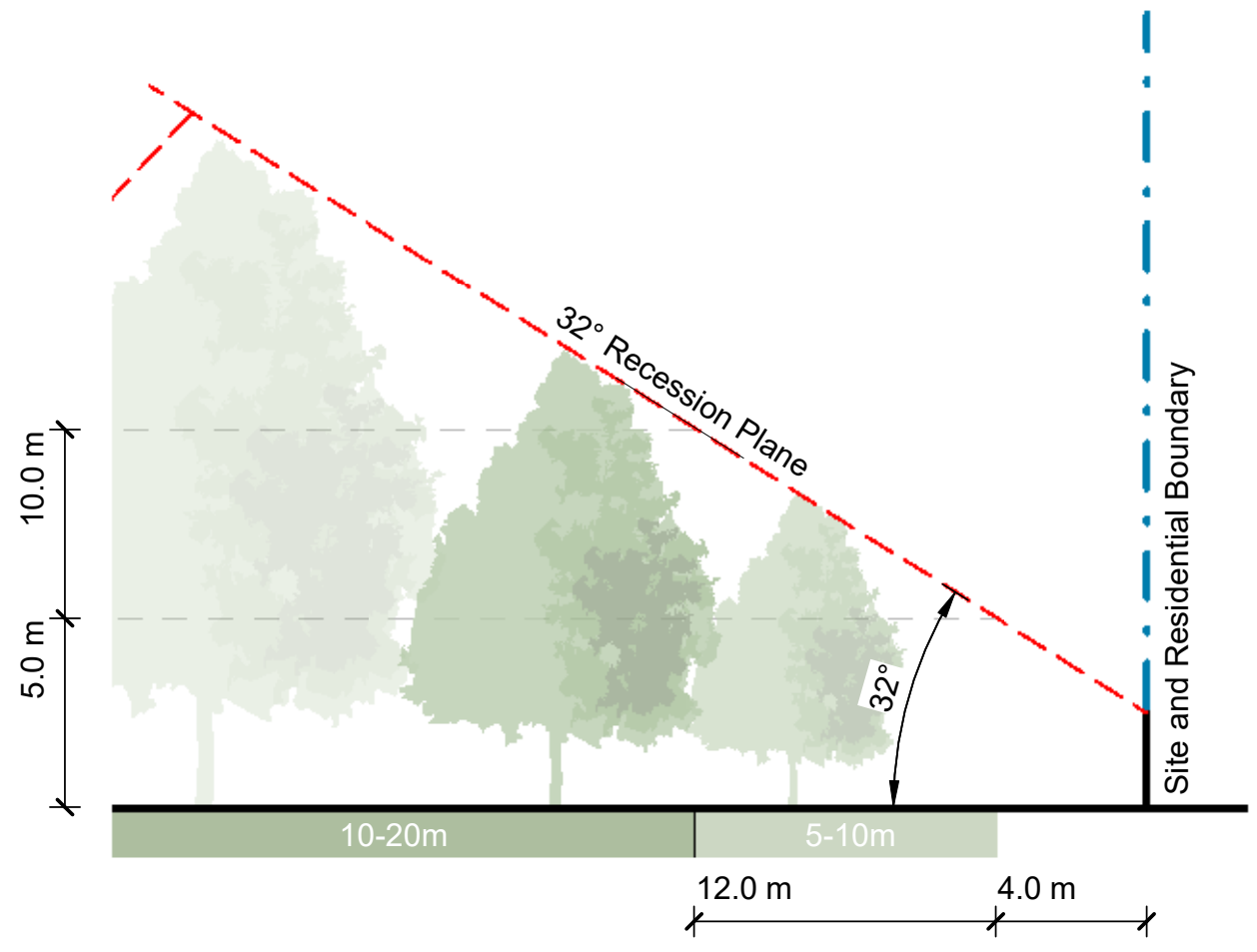
2 Section 1
300 Scale: 1 : 200



3 Section 2
300 Scale: 1 : 200

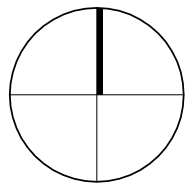


4 Section 3
300 Scale: 1 : 200



5 Section 4
300 Scale: 1 : 200

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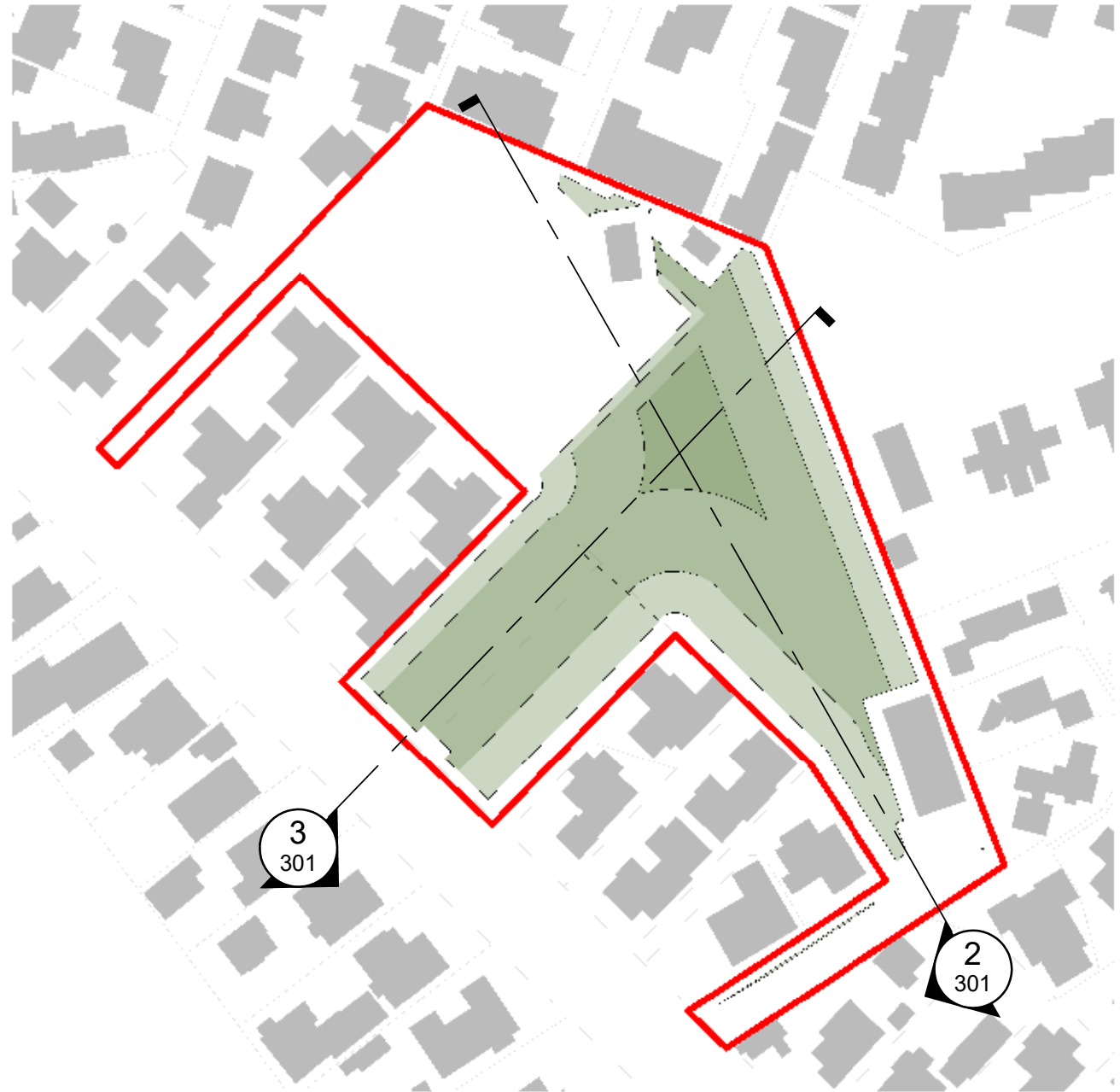
Cross Section Studies of Potential Tree
Height

Design	HCo	Scale	As Shown	Date	05.03.2024
Drawn	SEu				
Check	GRo				

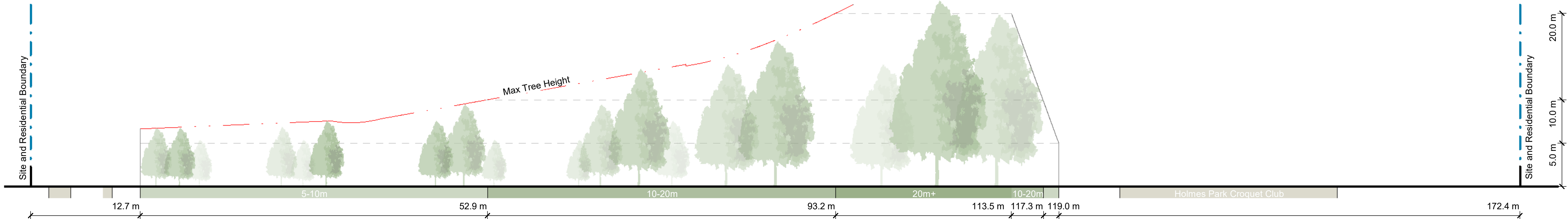
Concept Design

DRAWING NO.
BM230857_300

REVISION
B



1 Sections - Cross Section Plan
Scale: 1 : 1250



2 Cross Section 1
Scale: 1 : 250



3 Cross Section 2
Scale: 1 : 200



1 Summer - 7:30am
Scale: 1 : 1000



2 Summer - 9:00am
Scale: 1 : 1000



3 Summer - 10:30am
Scale: 1 : 1000



4 Summer - 12:00pm
Scale: 1 : 1000



1 Summer - 1:30pm
Scale: 1 : 1000



2 Summer - 3:00pm
Scale: 1 : 1000



3 Summer - 4:30pm
Scale: 1 : 1000



4 Summer - 6:00pm
Scale: 1 : 1000



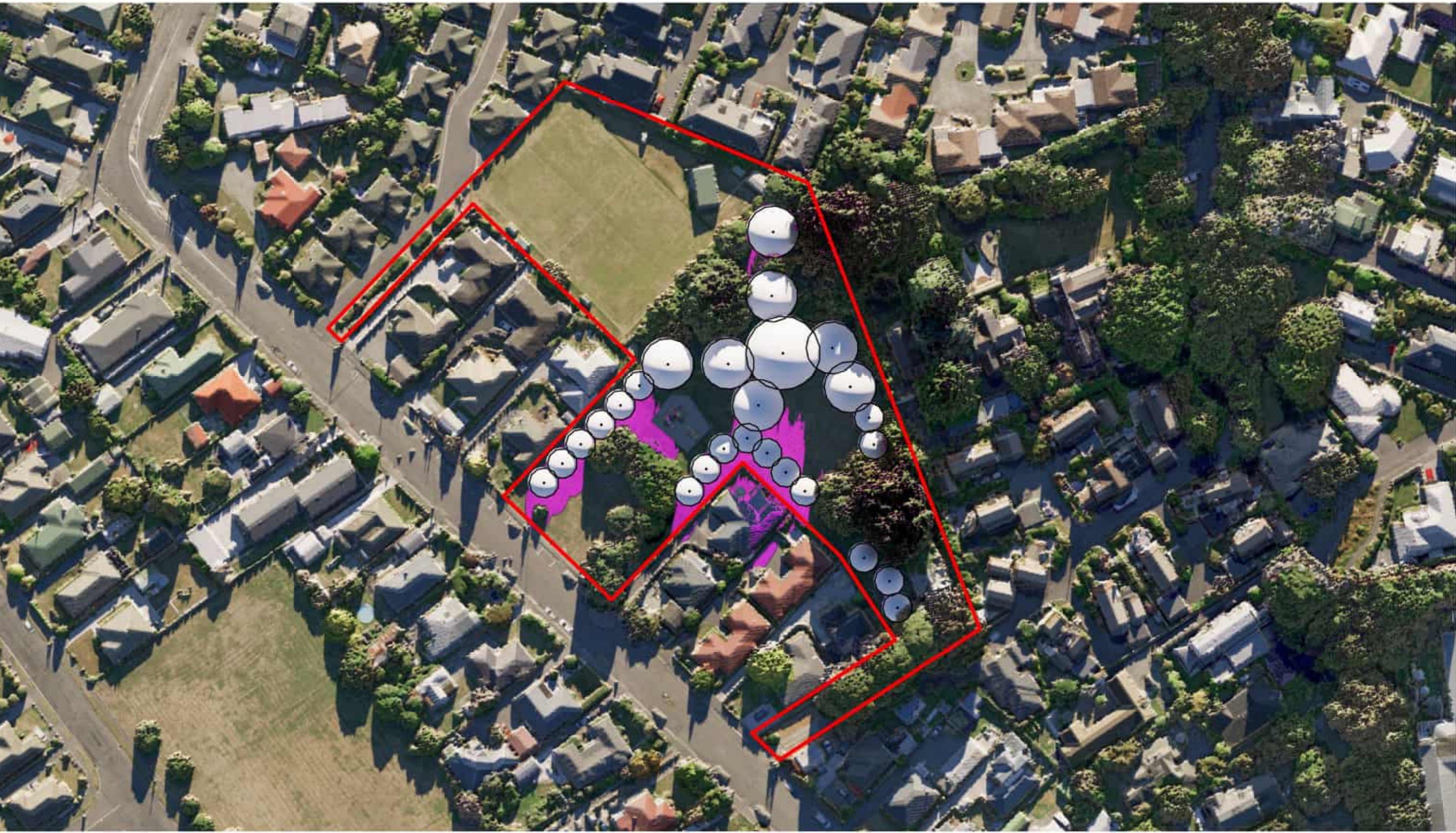
1 Winter - 7:30am
Scale: 1 : 1000



2 Winter - 9:00am
Scale: 1 : 1000



3 Winter - 10:30am
Scale: 1 : 1000



4 Winter - 12:00pm
Scale: 1 : 1000



1 Winter - 1:30pm
Scale: 1 : 1000



2 Winter - 3:00pm
Scale: 1 : 1000



3 Winter - 4:30pm
Scale: 1 : 1000



4 Winter - 6:00pm
Scale: 1 : 1000



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Existing Canopy Cover - 3183.80 m² 28.9% Canopy coverage to existing site

Proposed Canopy Coverage - 2296.50 m² 20.8% Proposed canopy coverage

Total Canopy Coverage - 5480.3 m² 49.7%

Total canopy coverage

PLANTING SCHEDULE

Qty	Type	Tree Height
1	Large Tree	Tree Height 15-20m
7	Medium Tree	Tree Height 10-15m
18	Small Tree	Tree Height 5-10m

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Planting Plan

Design HCo

Drawn ARo

Check GRO

Scale 1:300 @ A1

1:600 @ A3

Date 14.12.2023

REVISION

Concept Design

DRAWING NO.

BM230857_500

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