



Urban Forest Tree Planting Evora Park

PROJECT NUMBER: **BM230857** Concept Design

PROJECT ADDRESS: 4R Evora Place,
Halswell,
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CLIENT: Christchurch City Council

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REV	DATE	DESCRIPTION
A	05.03.24	Concept Design
B	12.04.24	Concept Design

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ORIGINAL IN COLOUR

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Printed 12/04/2024 3:23:45 PM

LEGEND

Existing Canopy Cover

Existing Lower Vegetation

Existing Pathways and Features

Existing Specimen Trees - 18

Existing Canopy Cover - 492.45 m²

7.9%

Canopy coverage to existing site

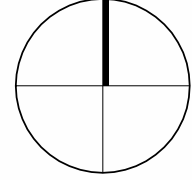
Vegetation cover mapped based on CCC aerial photography dated 18 January 2024, with site visit to verify existing conditions.

0 m

5 m

10 m

20 m



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DESCRIPTION

Concept Design

Concept Design

APr

HCo

HCo

Urban Forest Tree Planting

Evora Park

Existing Site

Design HCo

Drawn ARo

Check GRO

Scale

1:500 @ A1

1:1000 @ A3

Date

05.03.2024

Concept Design

DRAWING NO.

BM230857_200

REVISION

B

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LEGEND

20m+ Tree Height Area

10 - 20m Tree Height Area

5 - 10m Tree Height Area

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

5m

10m

20m

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Tree Height Capacities

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1:500 @ A1

1:1000 @ A3

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Concept Design

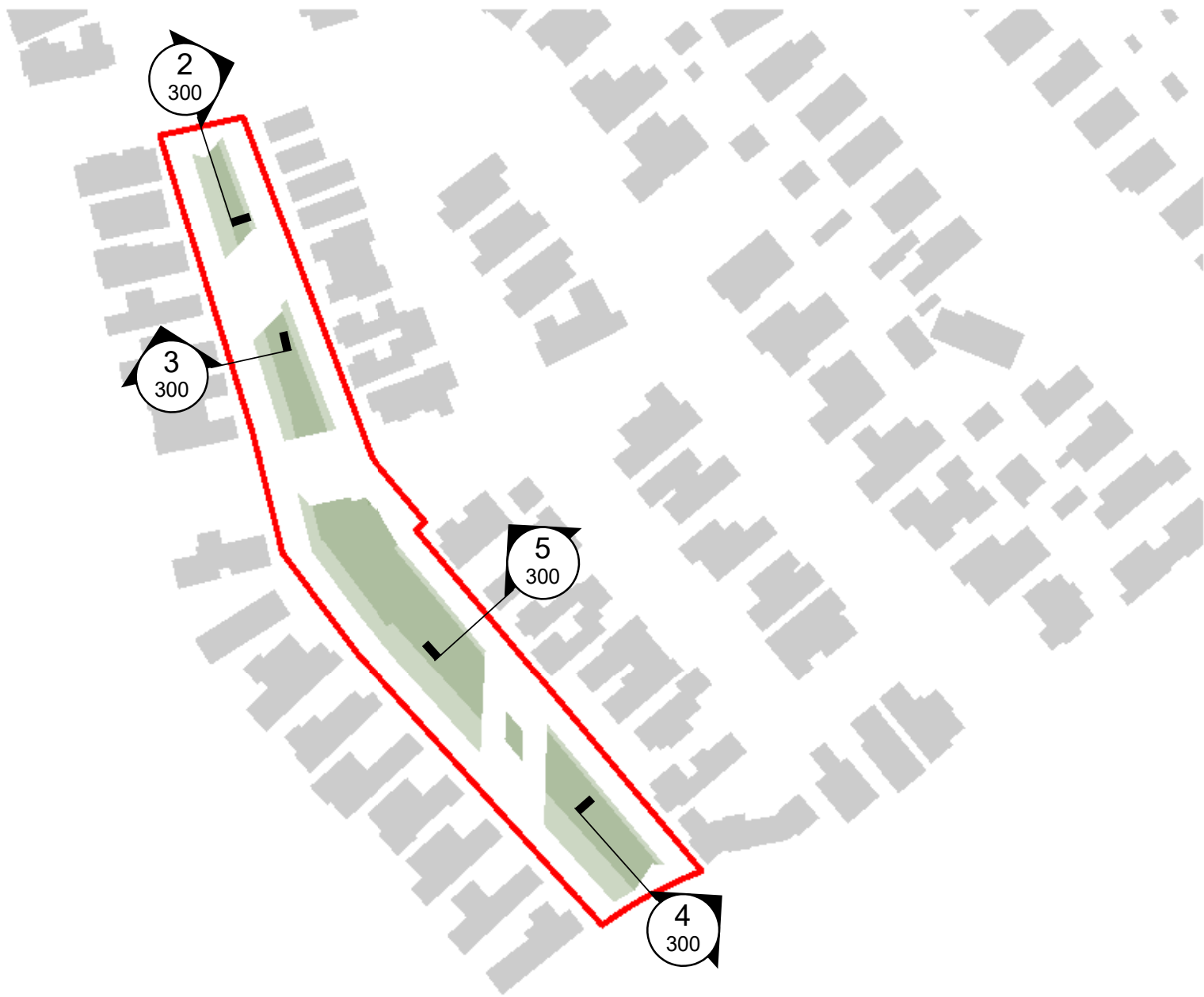
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BM230857_210

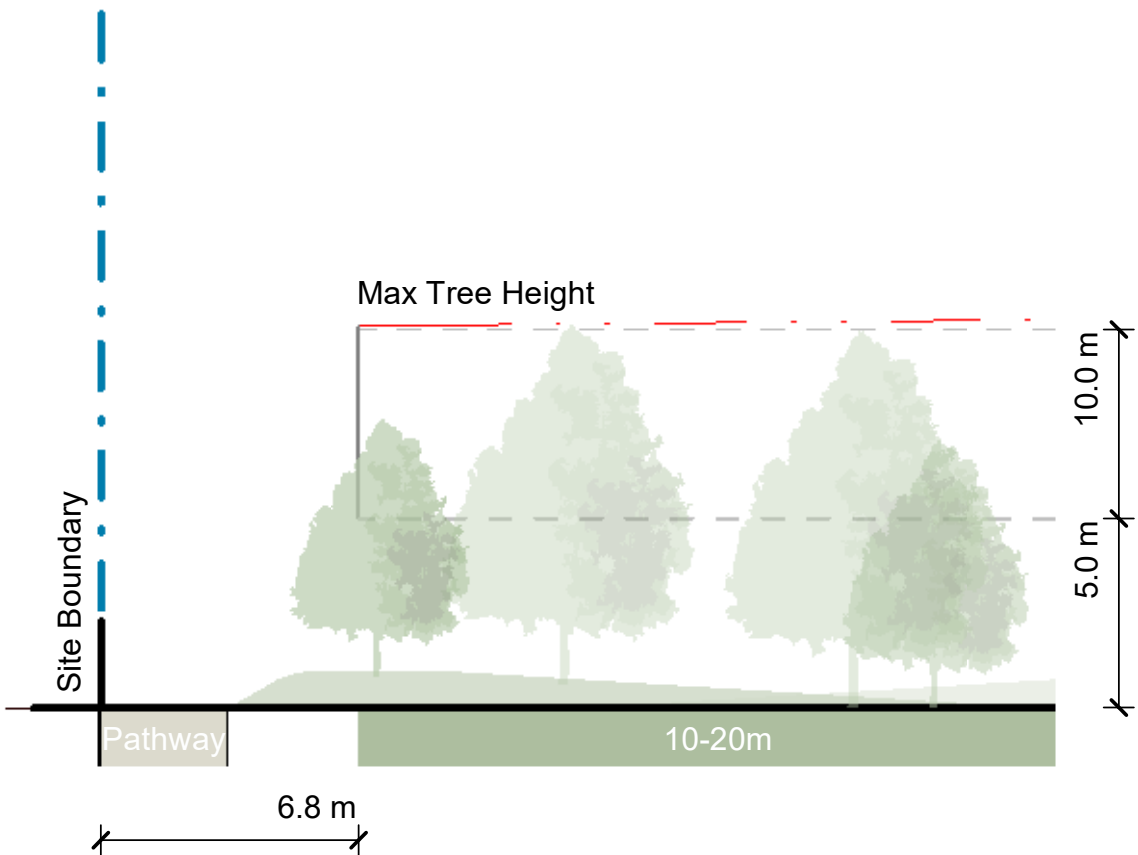
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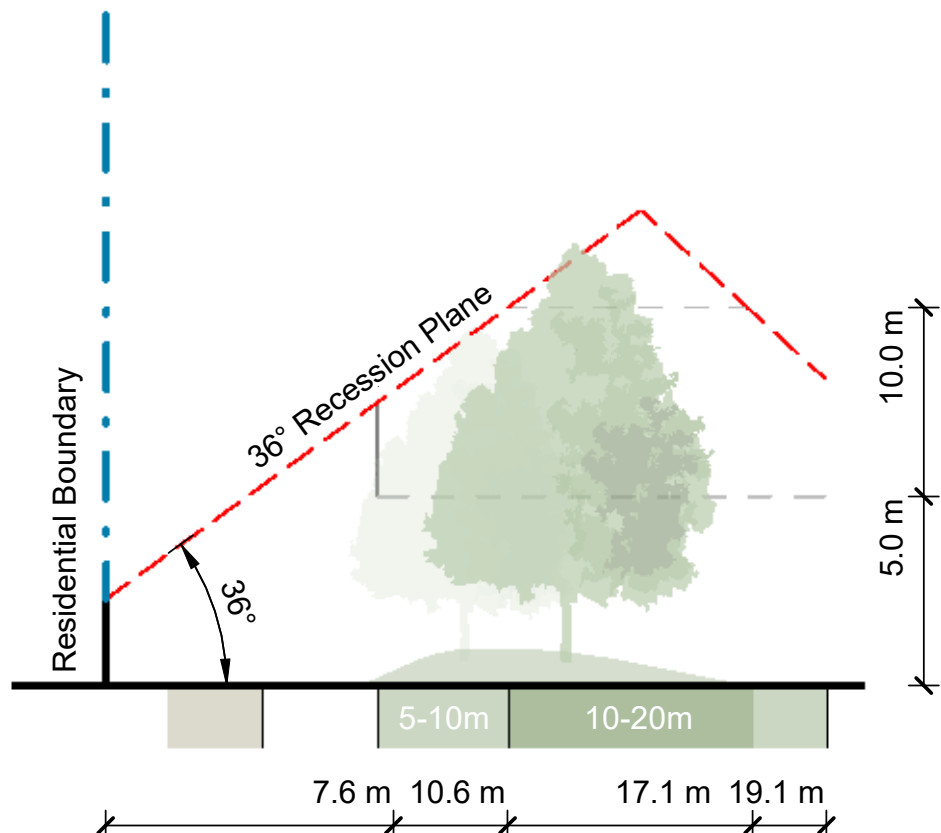
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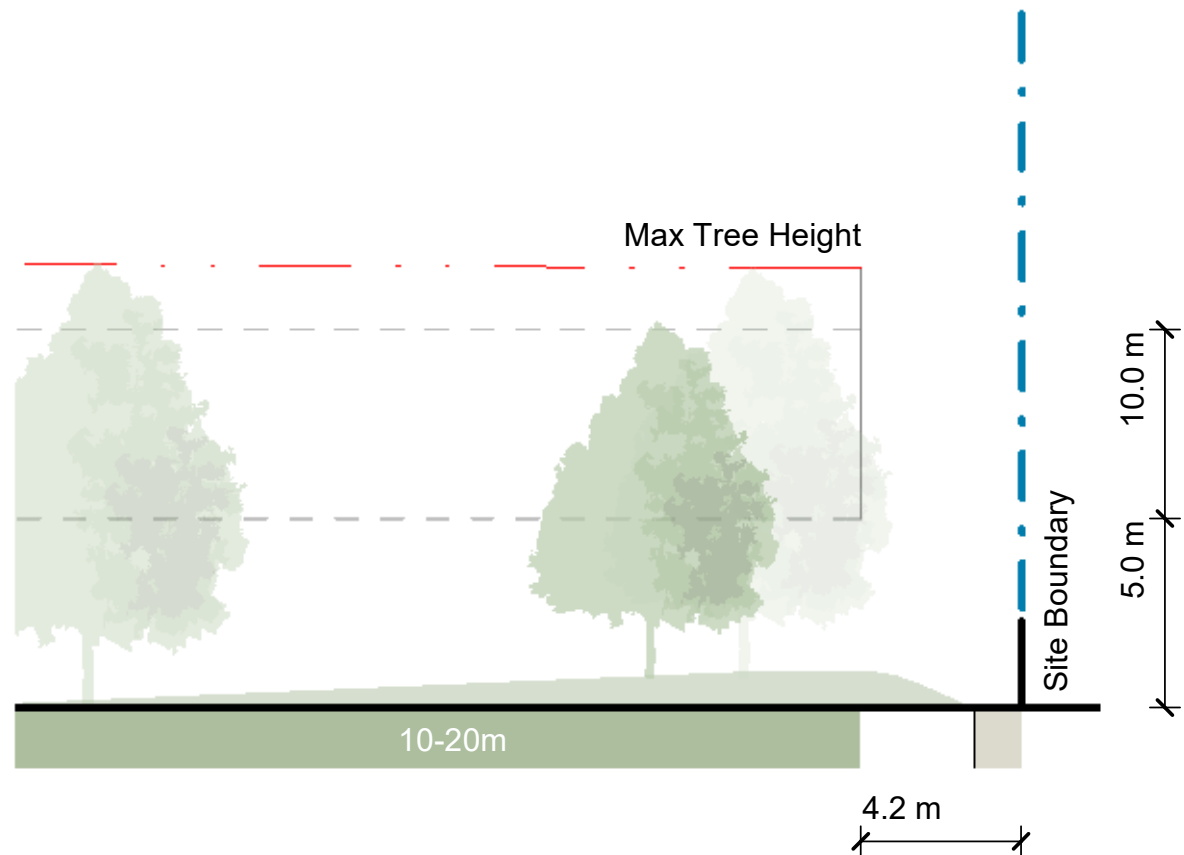
1 Sections - Boundary Plan
Scale: 1 : 1500



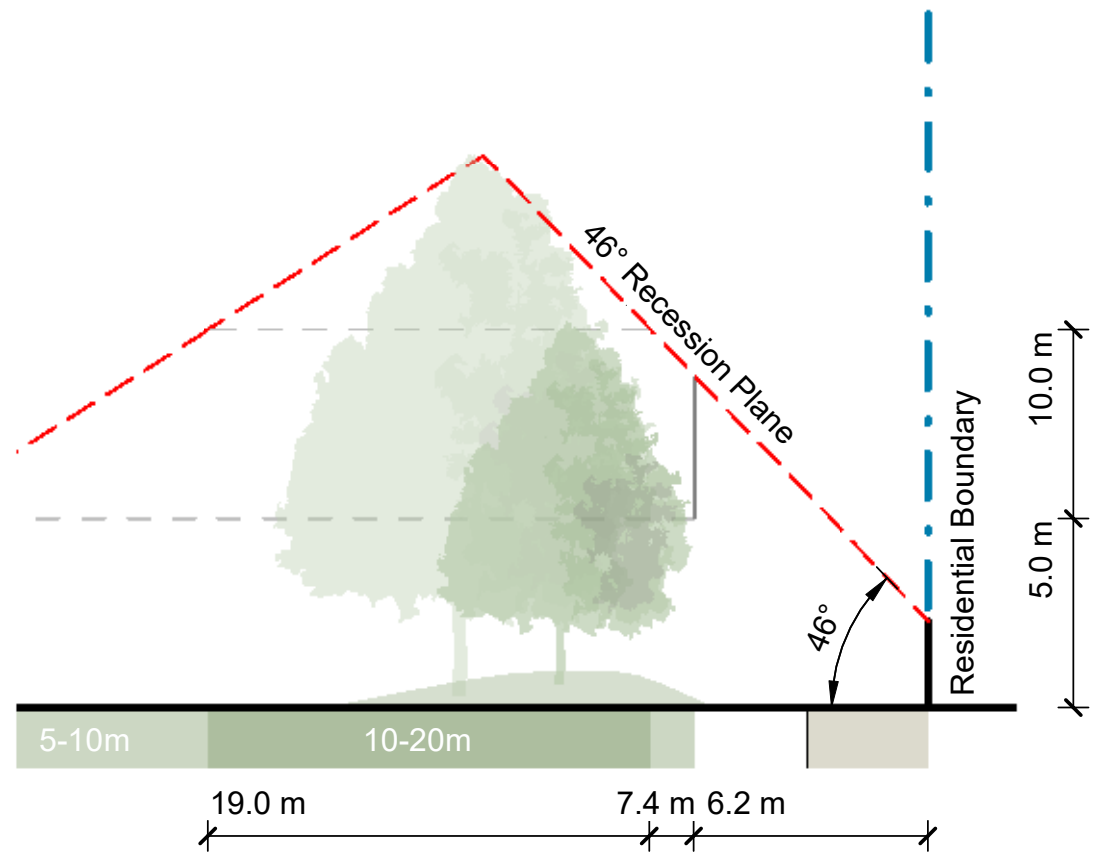
2 Section 1
Scale: 1 : 200



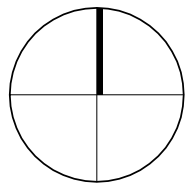
3 Section 2
Scale: 1 : 200



4 Section 3
Scale: 1 : 200



5 Section 4
Scale: 1 : 200



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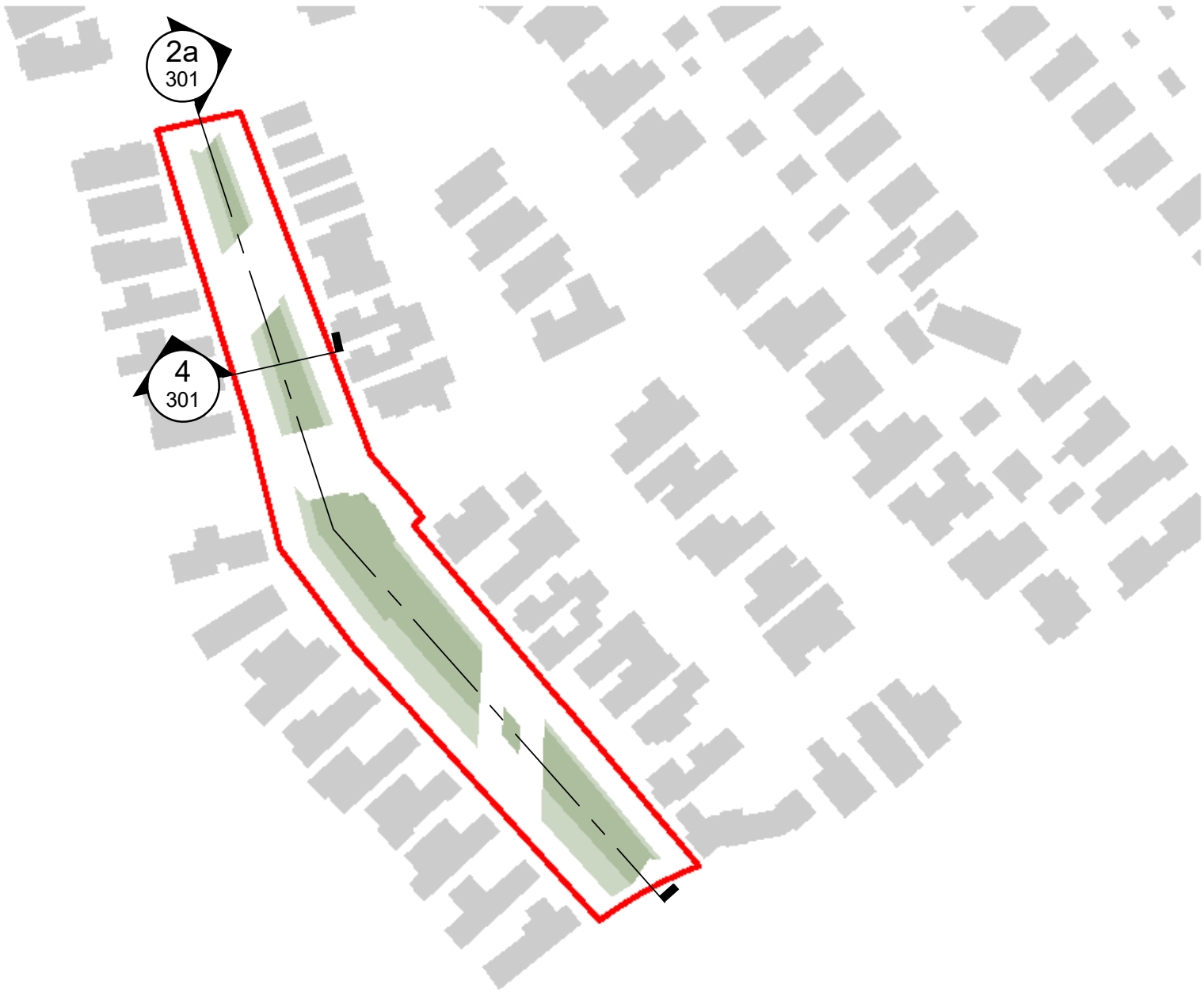
Cross Section Studies of Potential Tree
Heights

Design	HCo	Scale	Date
Drawn	ARo	As Shown	05.03.2024

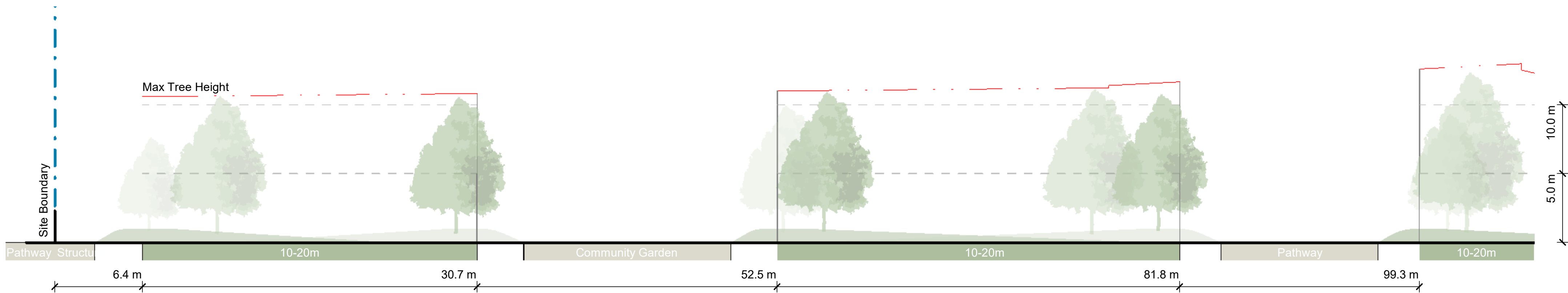
Concept Design

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BM230857_300

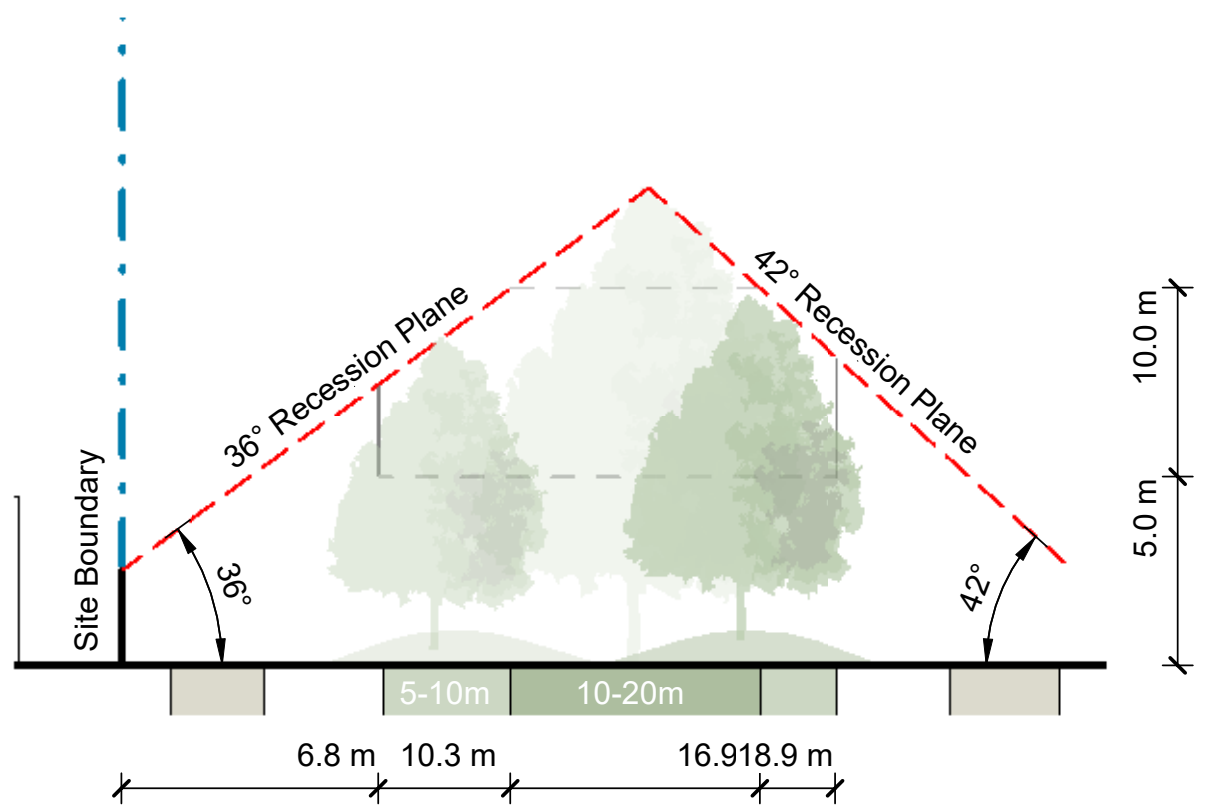
REVISION
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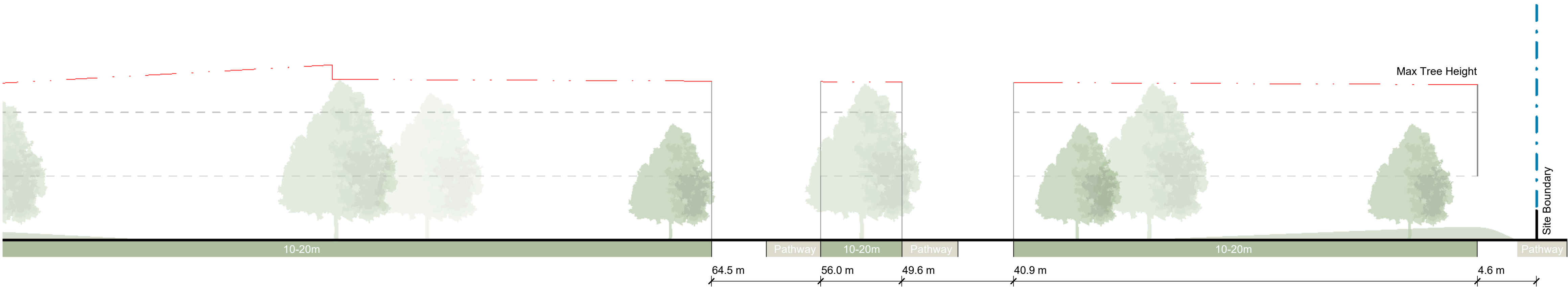
1 Sections - Cross Section Plan
Scale: 1 : 1500



2a Cross Section 1a
301 Scale: 1 : 200



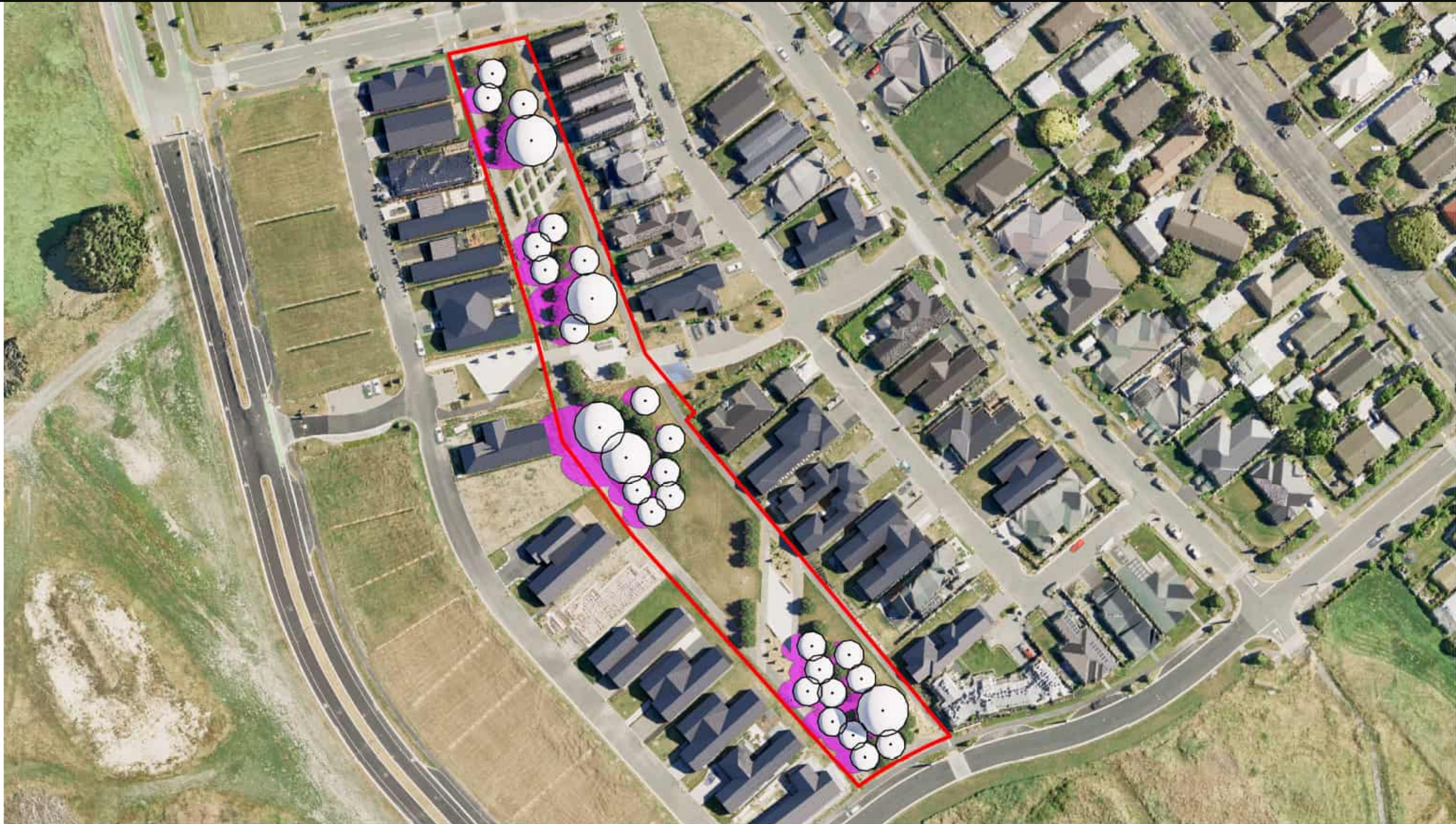
4 Cross Section 2
301 Scale: 1 : 200



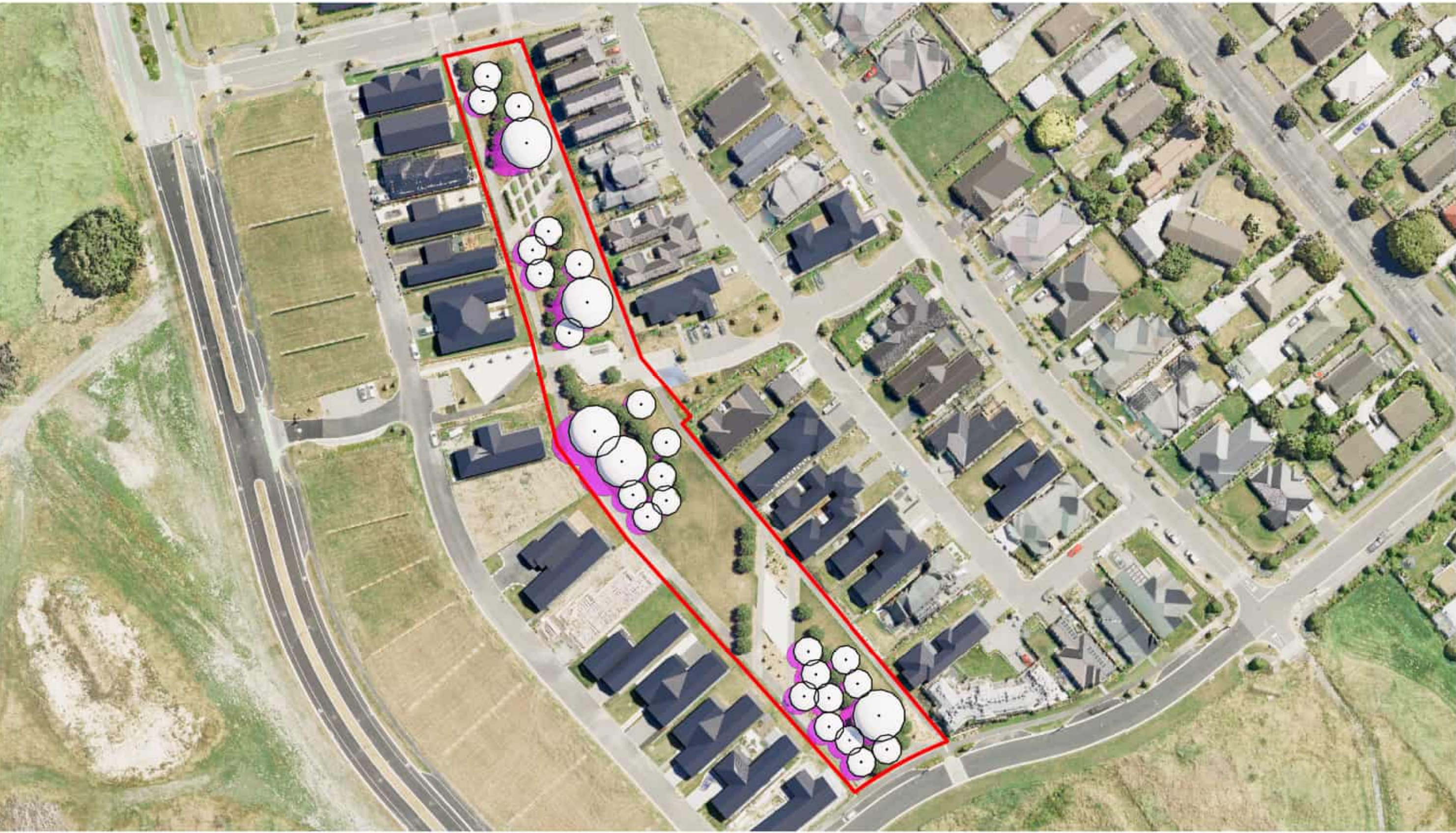
2b Cross Section 1b
301 Scale: 1 : 200



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



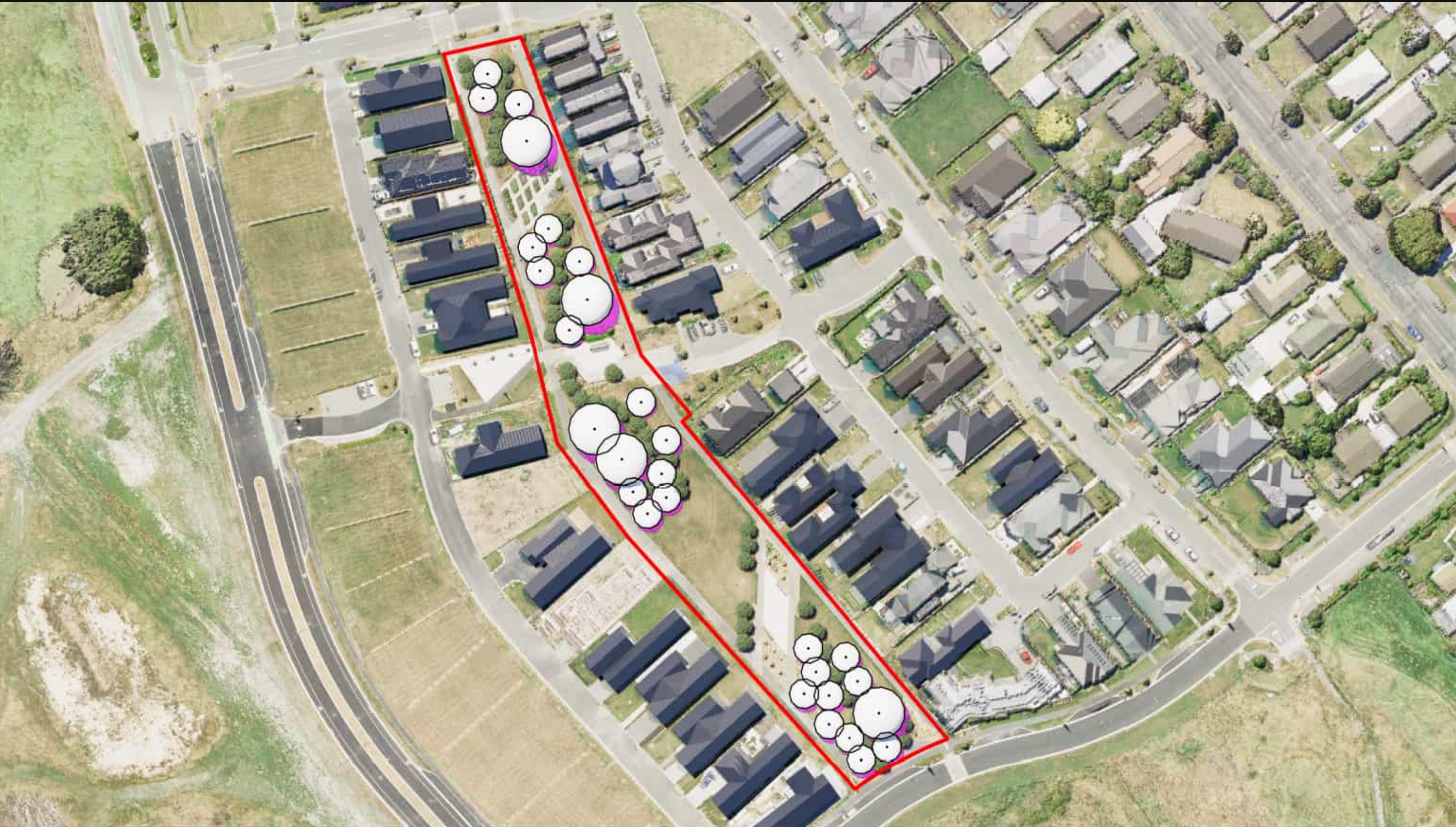
2 Summer - 9:00am
Scale: 1 : 1000



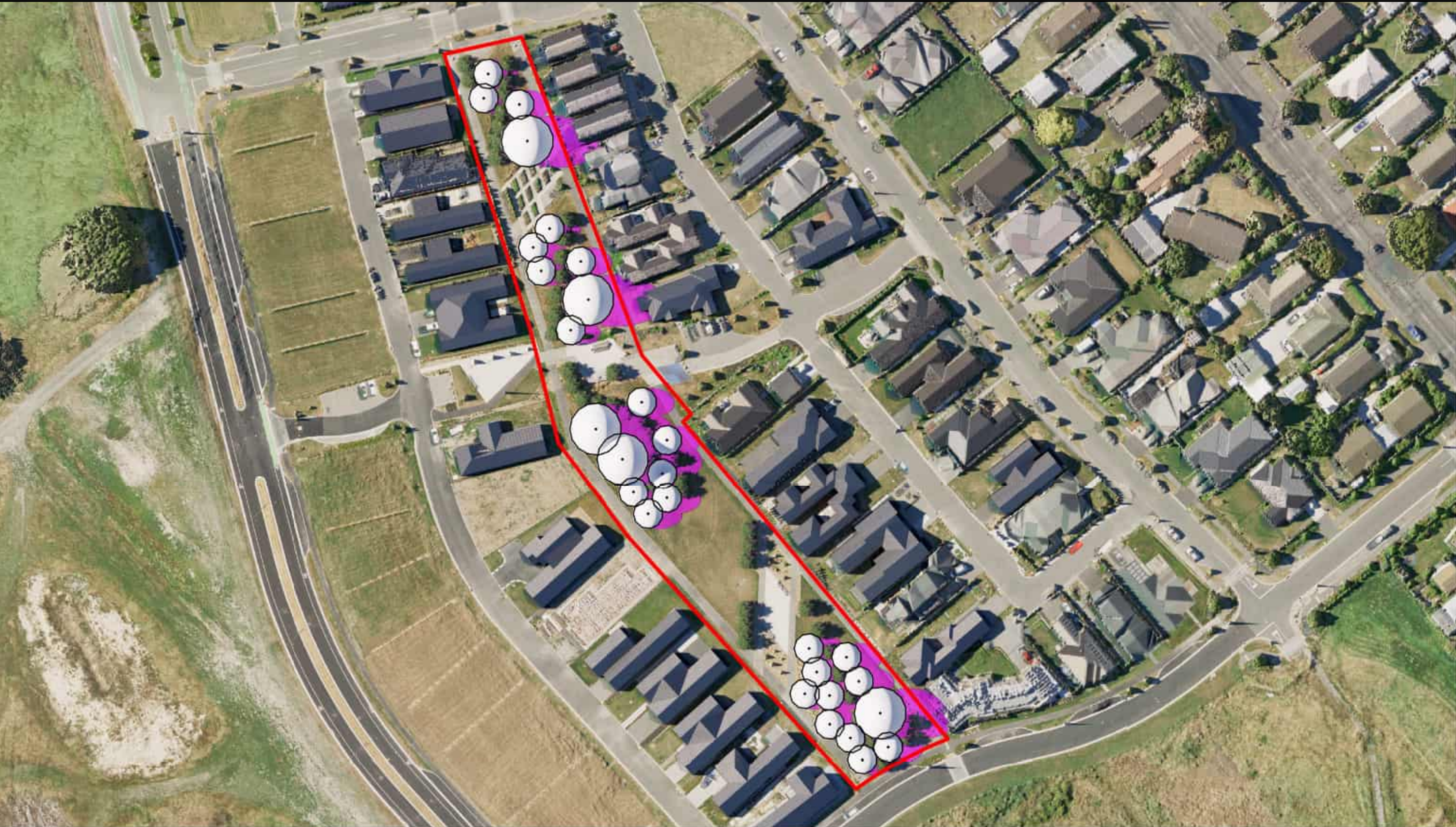
3 Summer - 10:30am
Scale: 1 : 1000



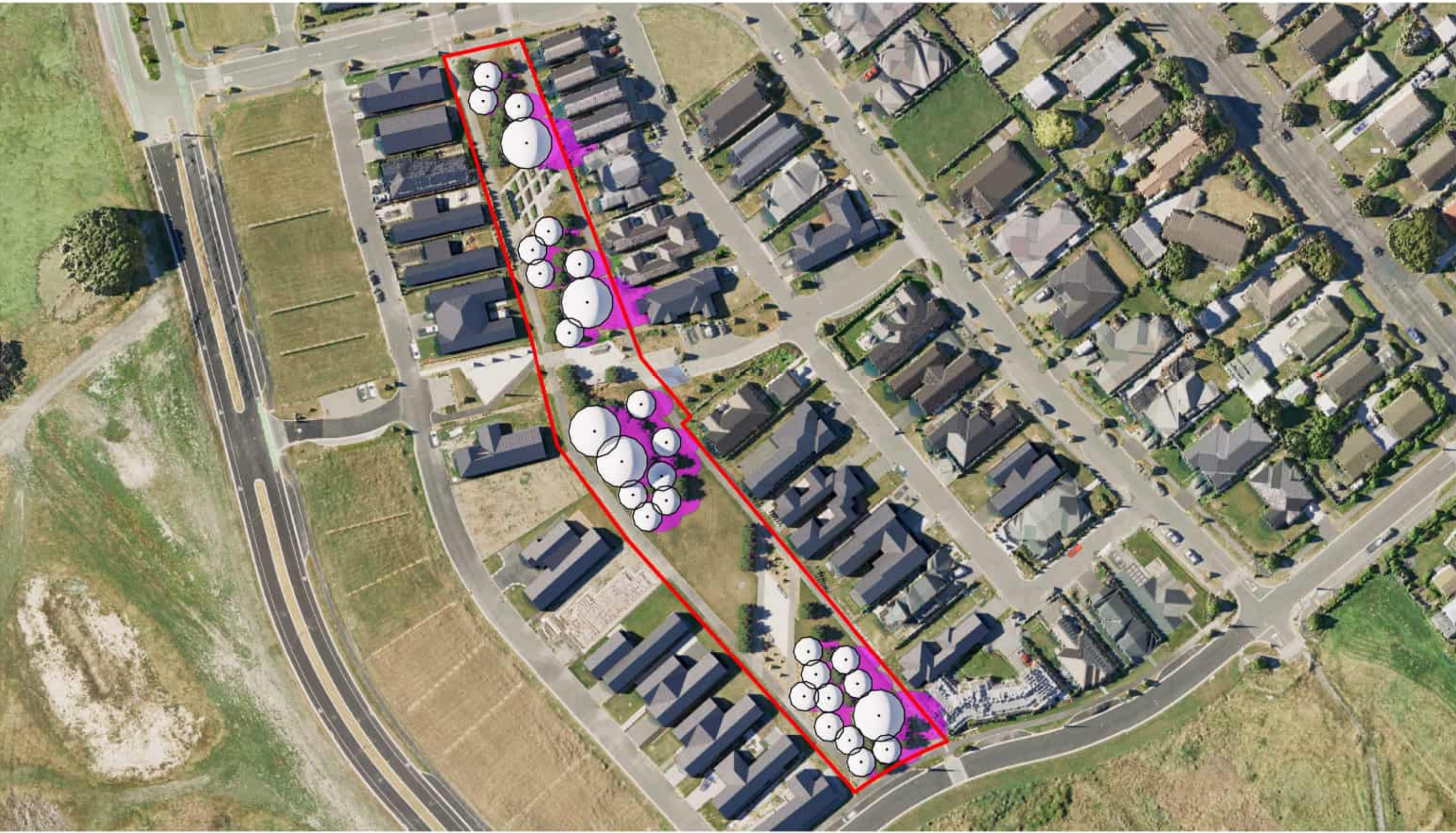
4 Summer - 12:00pm
Scale: 1 : 1000



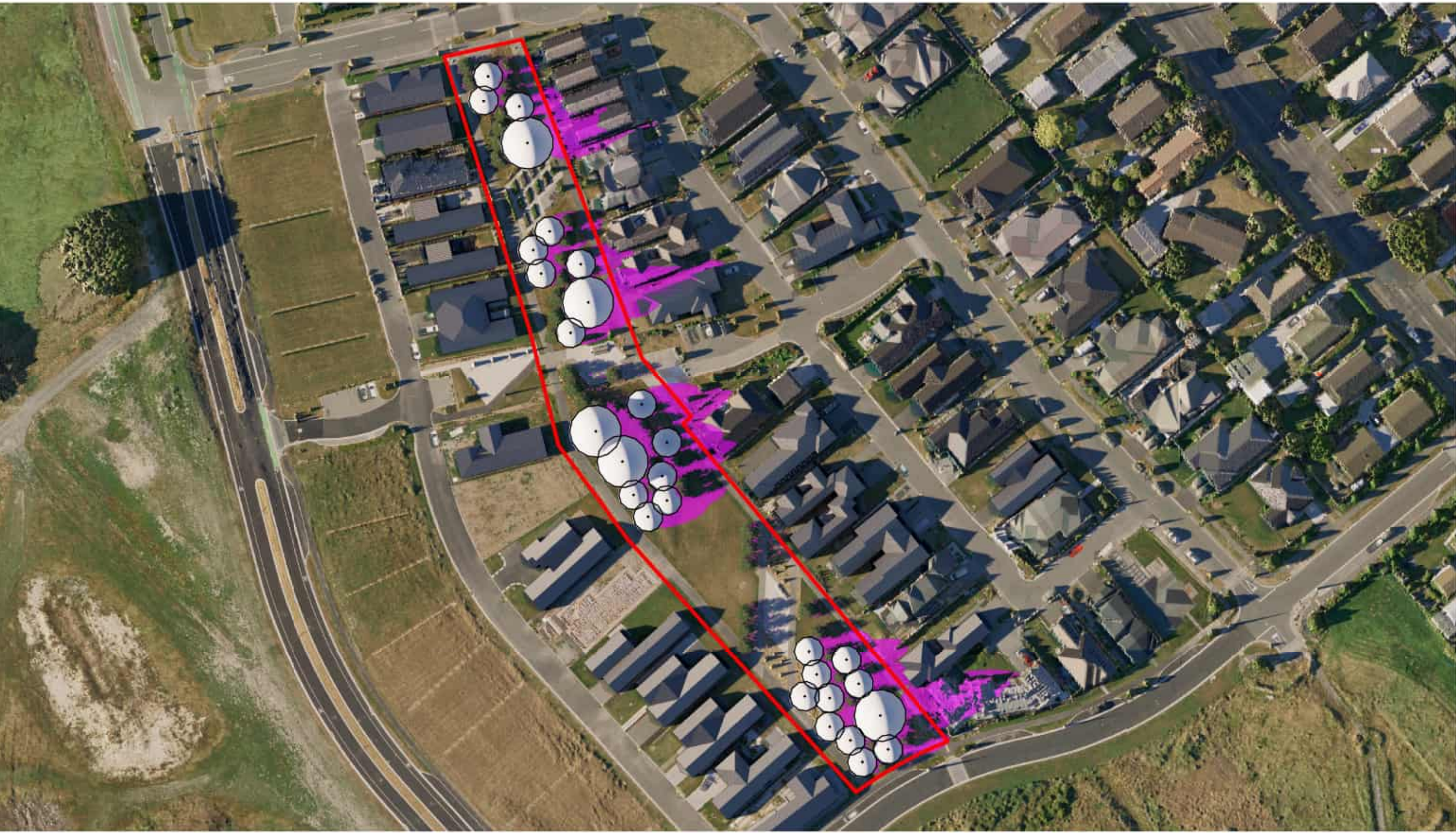
1 Summer - 1:30pm
Scale: 1 : 1000



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



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



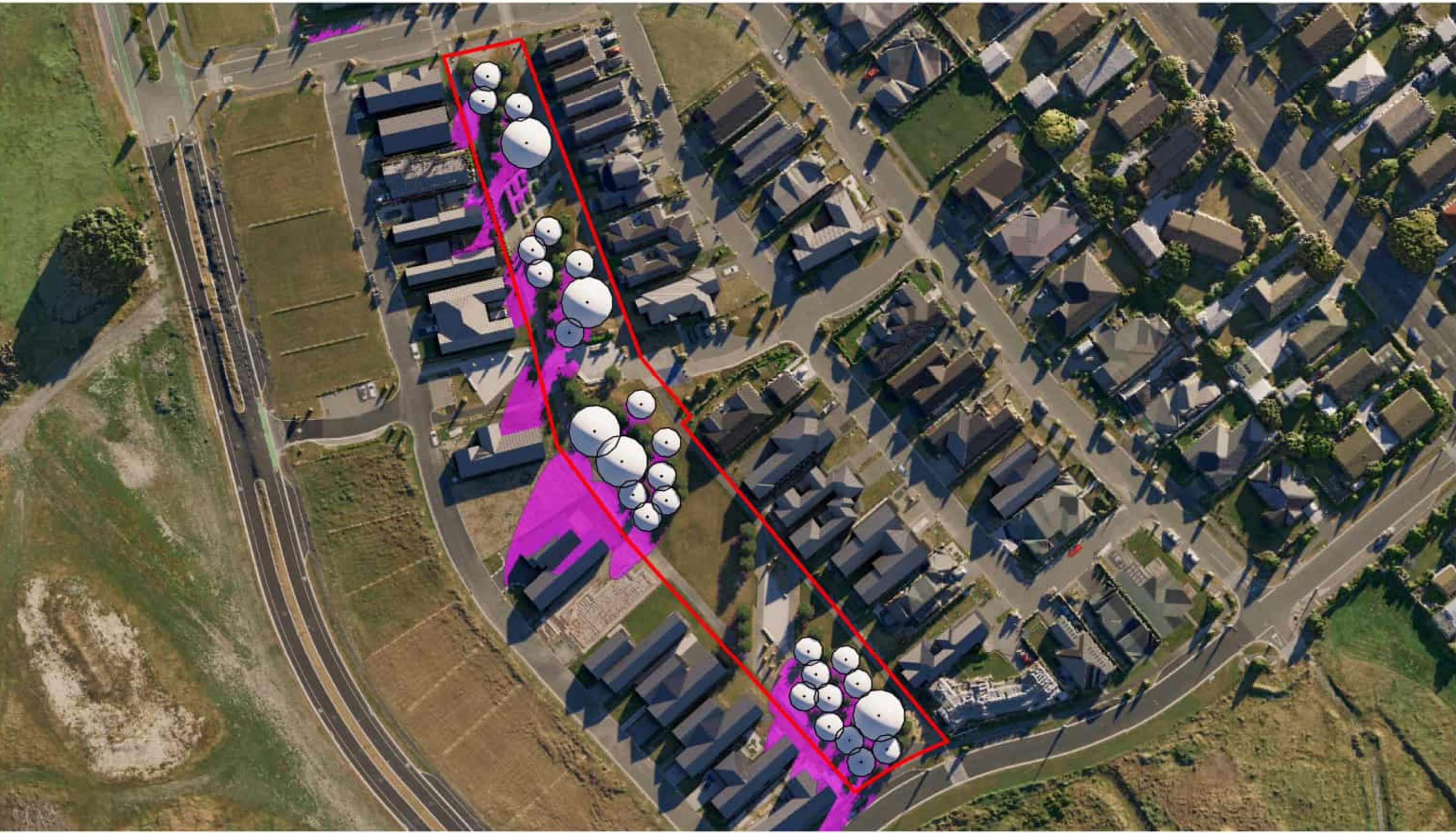
4 Summer - 6:00pm
Scale: 1 : 1000



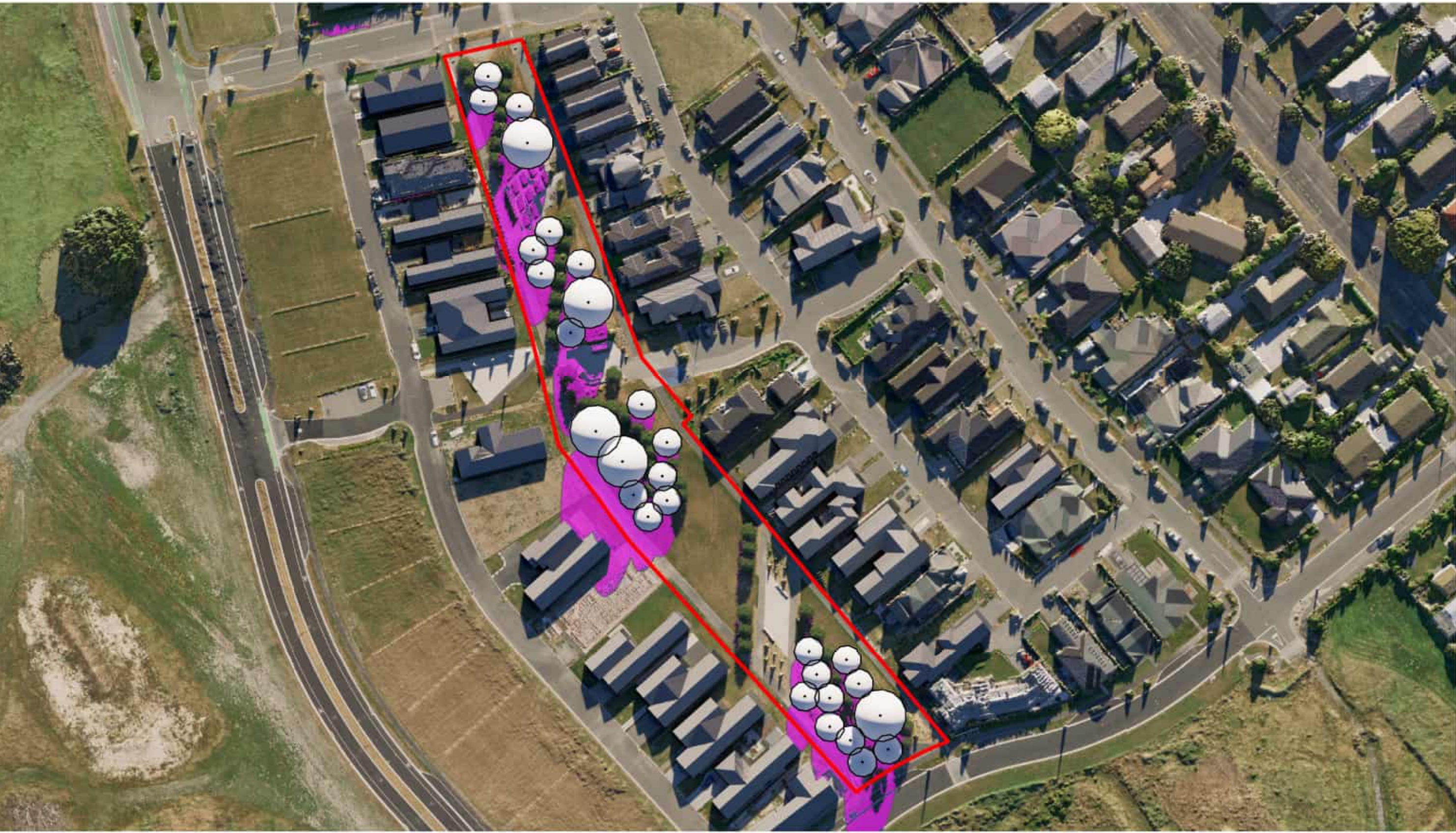
1 Winter - 7:30am
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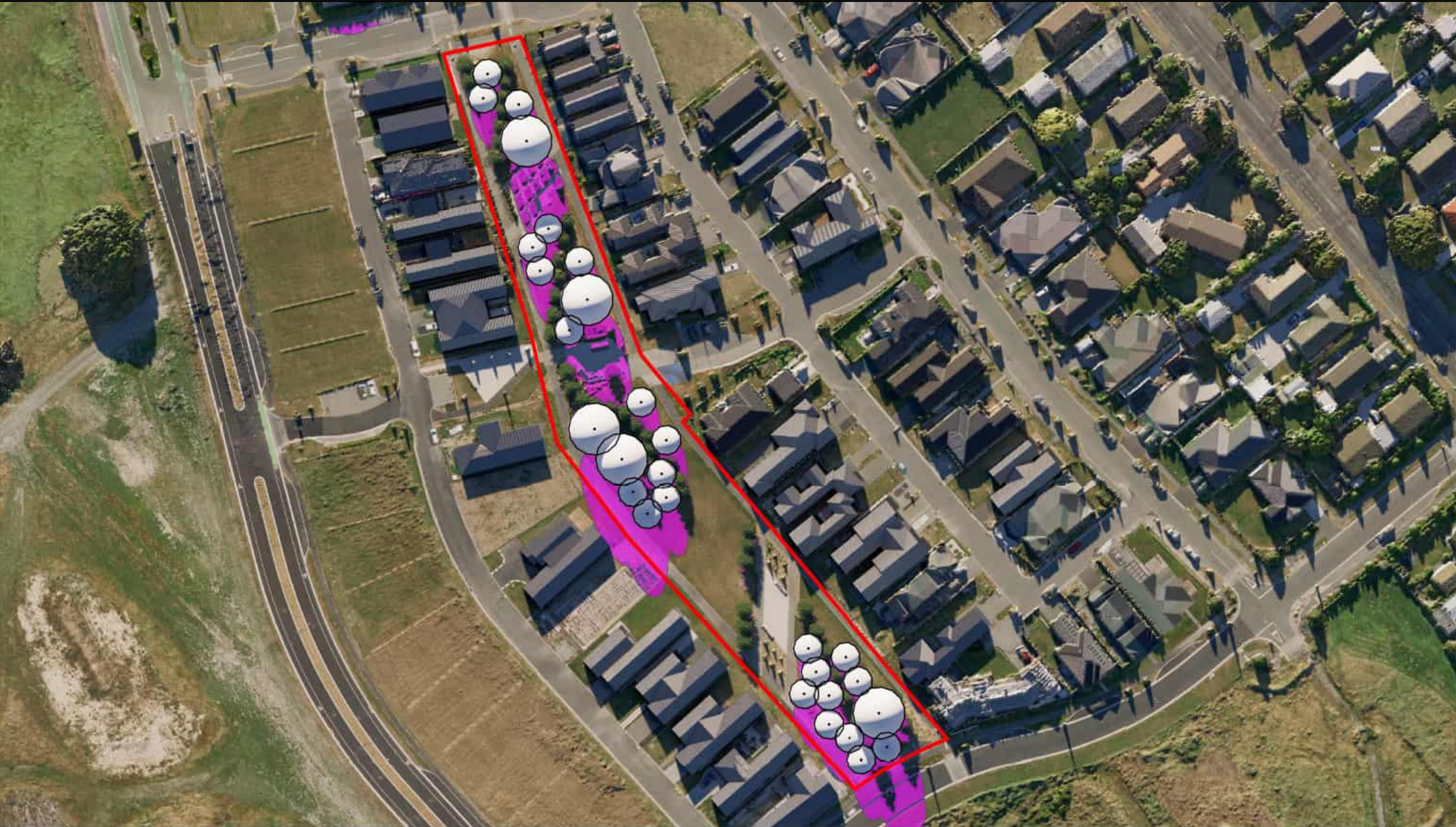
2 Winter - 9:00am
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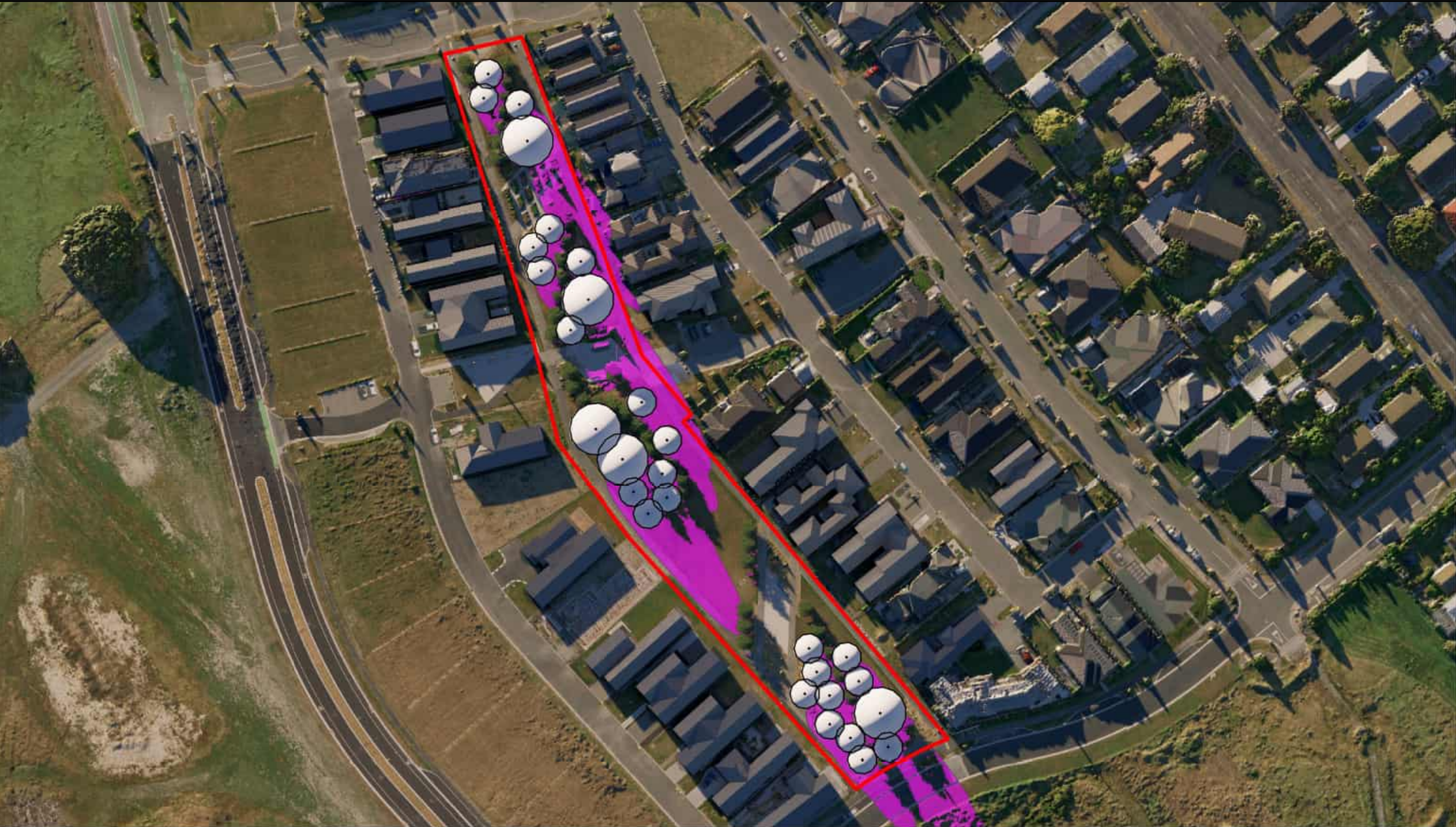
3 Winter - 10:30am
Scale: 1 : 1000



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 - 492.45 m² 7.9% Canopy coverage to existing site

Proposed Canopy Coverage - 1976.06 m² 31.6% Proposed canopy coverage

Total Canopy Coverage - 2468.51m² 39.5% Total canopy coverage

PLANTING SCHEDULE

Qty	Type	Tree Height
5	Medium Tree	Tree Height 10-15m
24	Small Tree	Tree Height 5-10m

0 m 5 m 10 m 20 m

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BM230857_500

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