



Urban Forest Tree Planting Pōhutukawa Reserve

PROJECT NUMBER: **BM240711**

Concept Design

PROJECT ADDRESS: Pōhutukawa Crescent,
Parklands, Christchurch
8083

CLIENT: Christchurch City Council

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

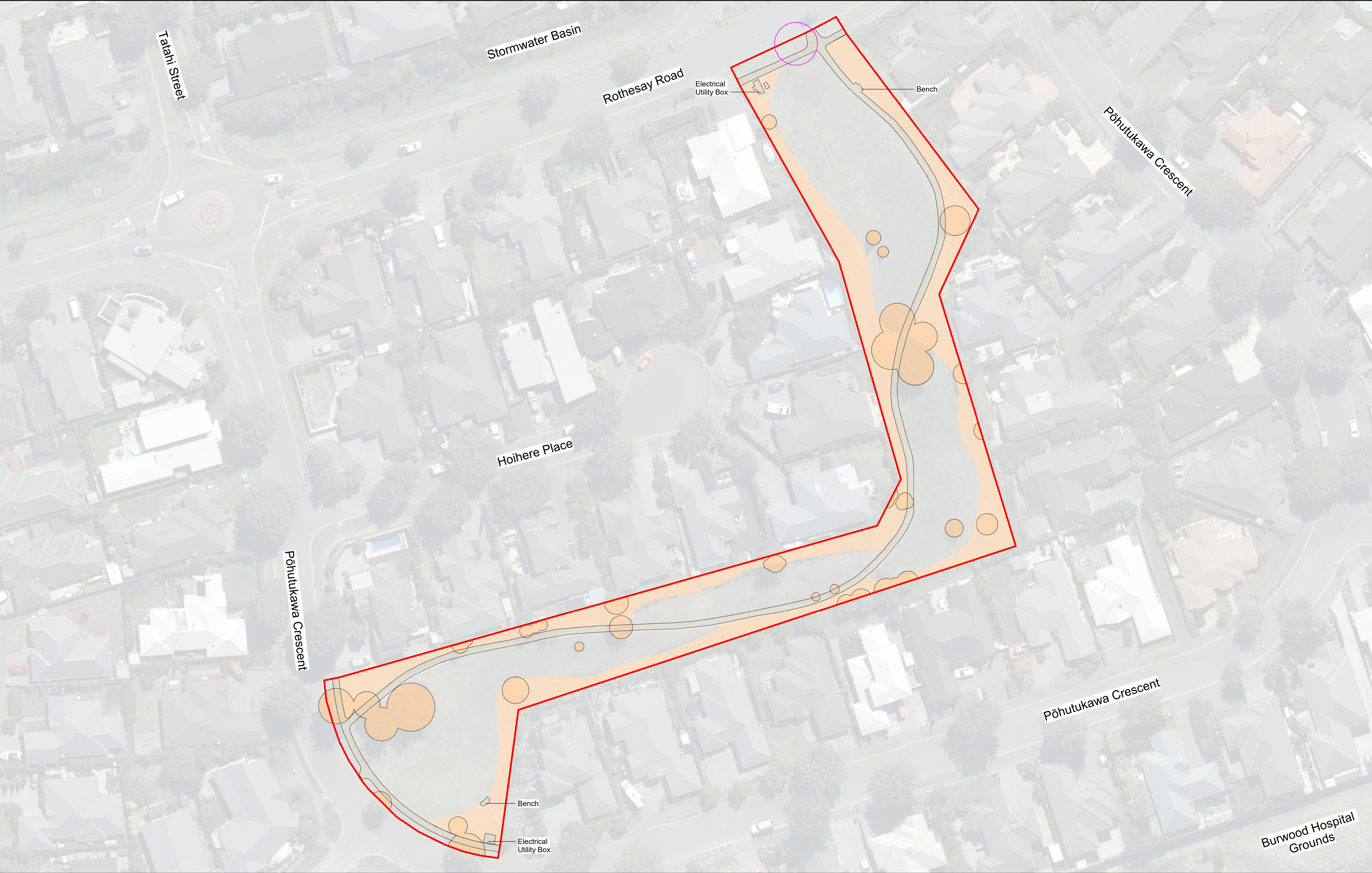


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REV	DATE	DESCRIPTION
A	31.10.2025	Concept Design Draft
B	01.12.2025	Concept Design

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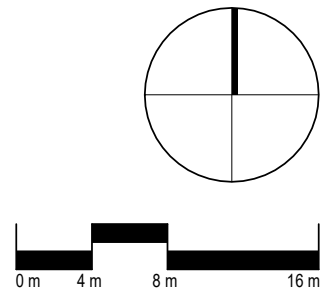
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LEGEND

- Existing Canopy Cover
- Existing Lower Vegetation
- Existing Pathways and Features
- Lightpole Clearance

Vegetation cover mapped based on LINZ aerial photography dated September 2025, with site visit to verify existing conditions.

Existing Specimen Trees - 20
Existing Canopy Cover - 749.23 m² 11.5% Canopy coverage to existing site



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APr
HCo
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Existing Site

Design	SYo	Scale	Date
Drawn	SYo	1:400 @ A1	31.10.2025
Check	HCo	1:800 @ A3	

Concept Design

DRAWING NO.	REVISION
BM240711_200	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

4m

8m

16m

REV DATE

A 31.10.2025

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DESCRIPTION

Concept Design Draft

Concept Design

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Tree Height Capacities

Design SYo

Drawn SYo

Check HCO

Scale

1:400 @ A1

1:800 @ A3

Date

31.10.2025

CONCEPT DESIGN

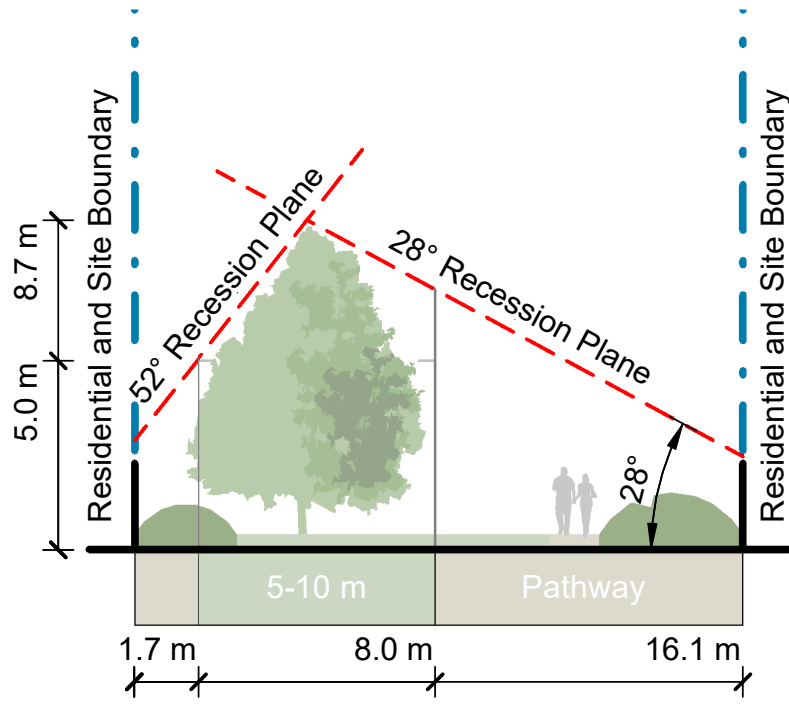
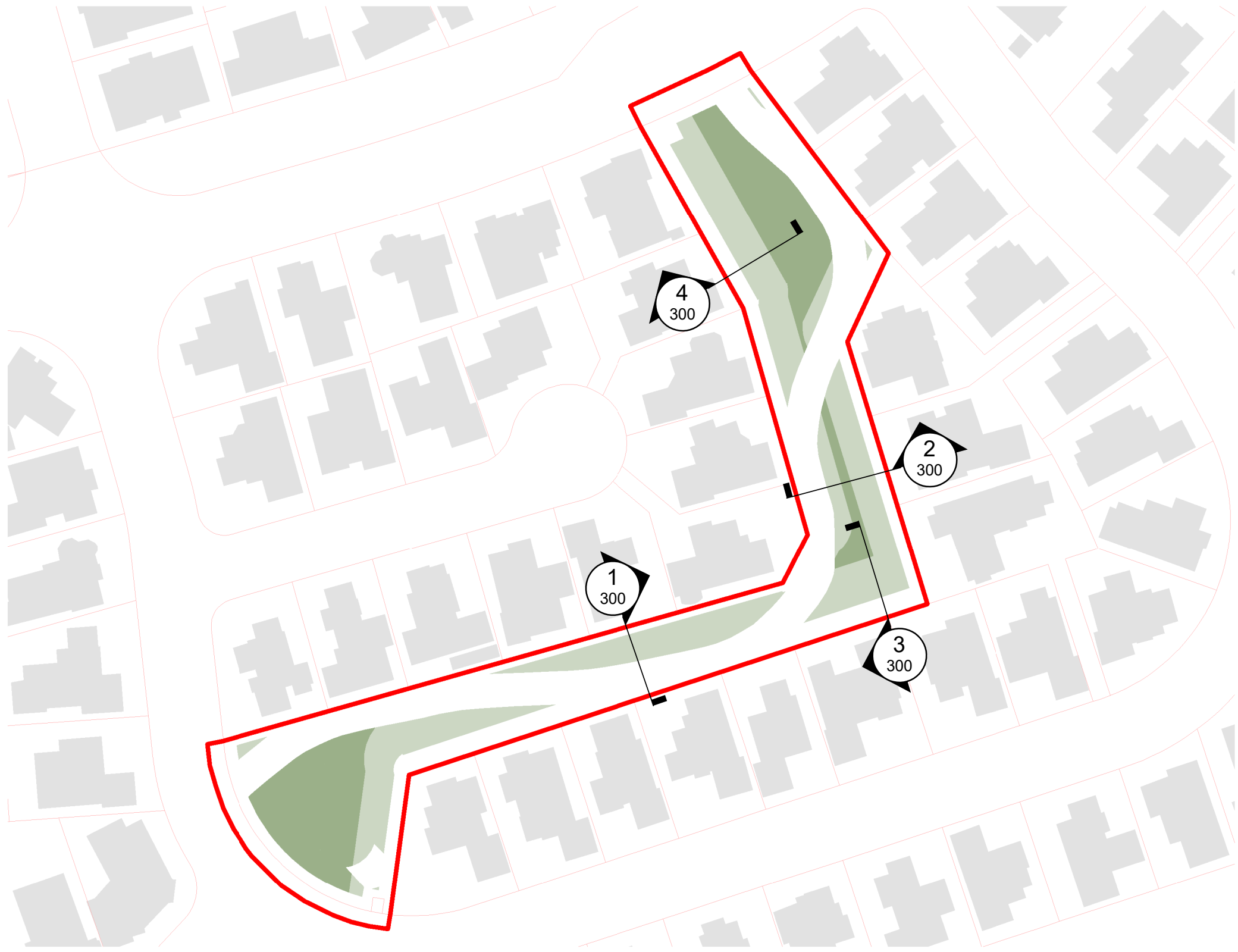
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BM240711_210

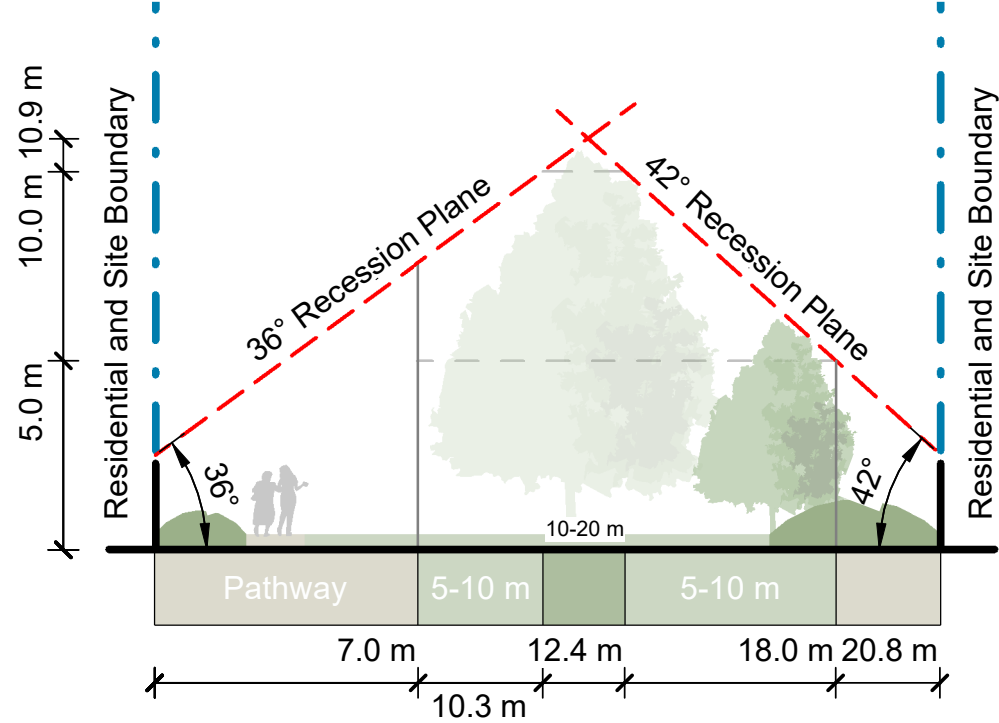
REVISION

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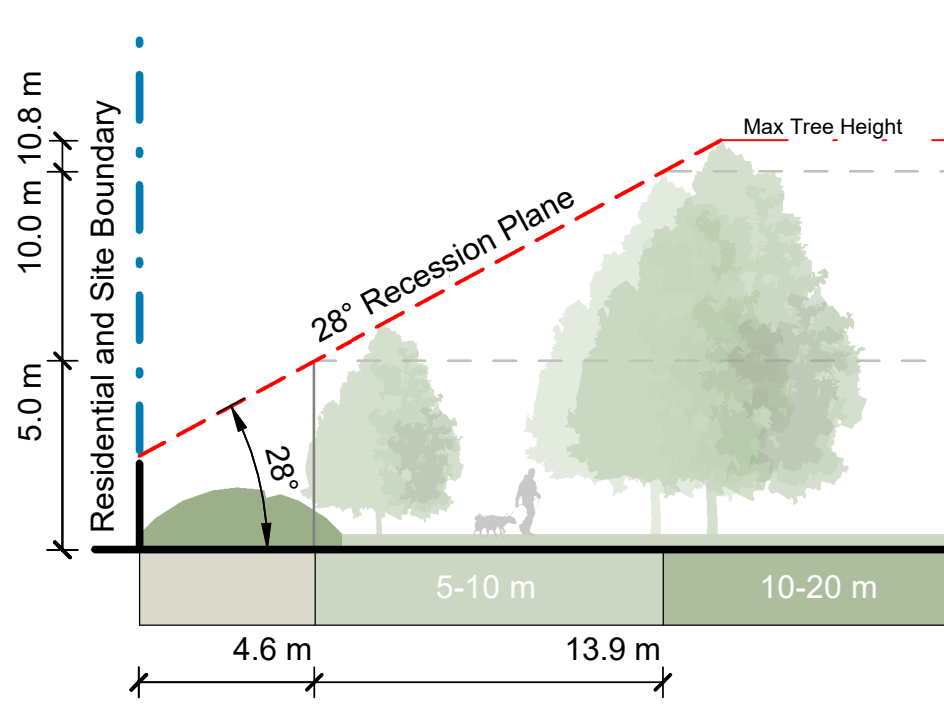
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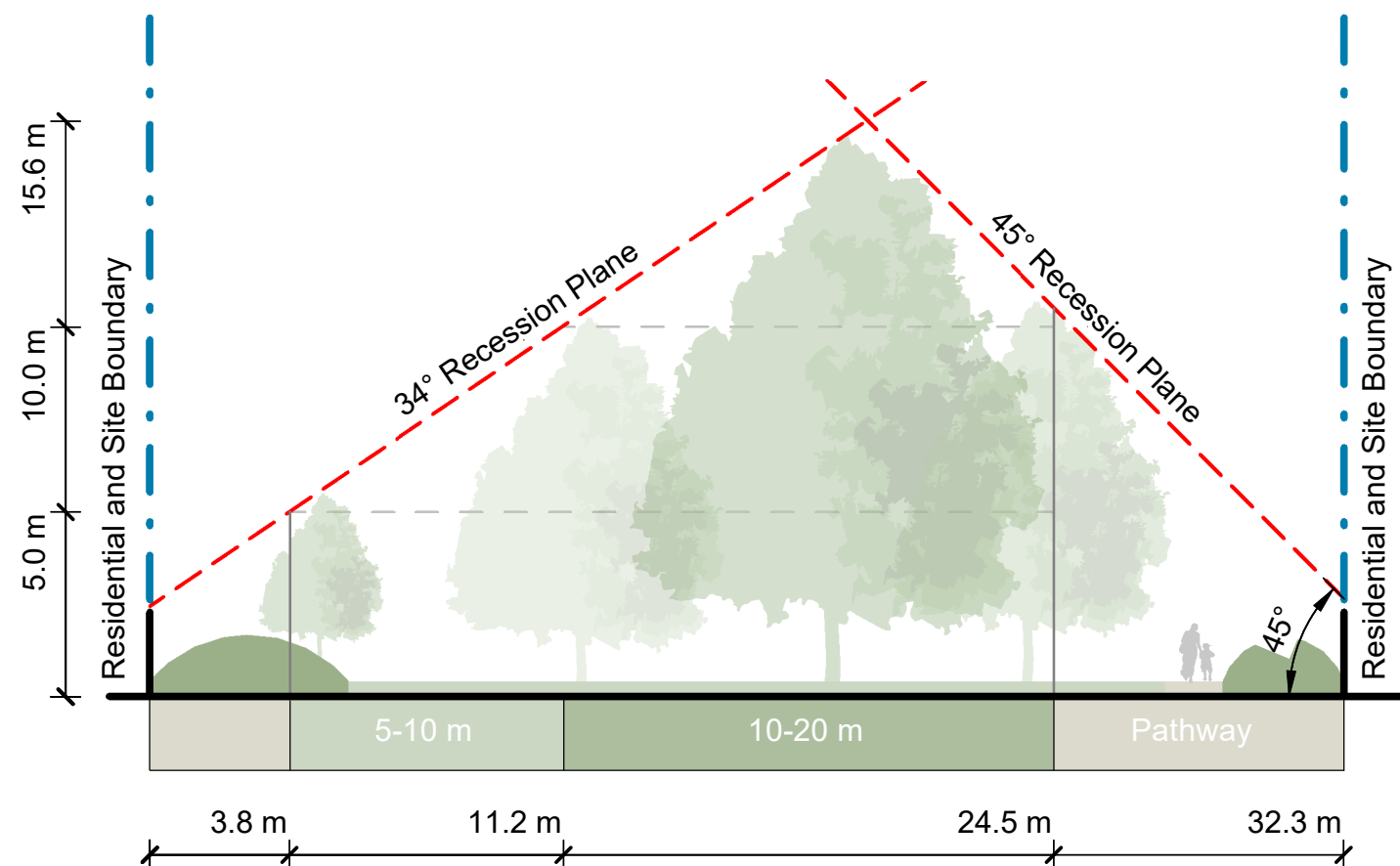
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Scale: 1 : 200



2 East-West Boundary Section
Scale: 1 : 200



3 South Boundary Section
Scale: 1 : 200

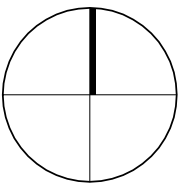


4 West Boundary Section
Scale: 1 : 200

ORIGINAL IN COLOUR



Note:
Sections identify maximum acceptable proposed tree height and density.
Existing vegetation not shown.
Refer Planting Plans for proposed tree locations.



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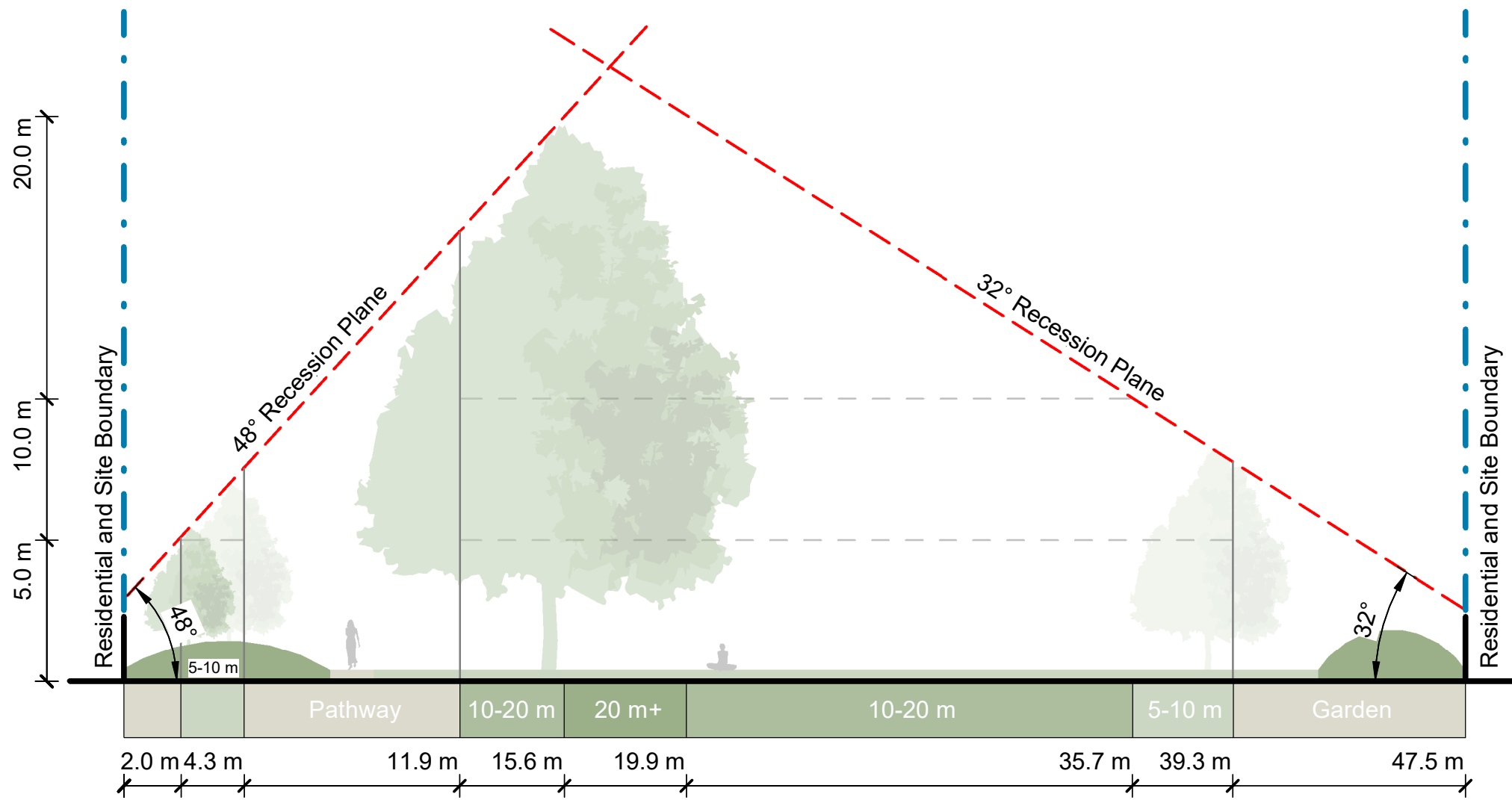
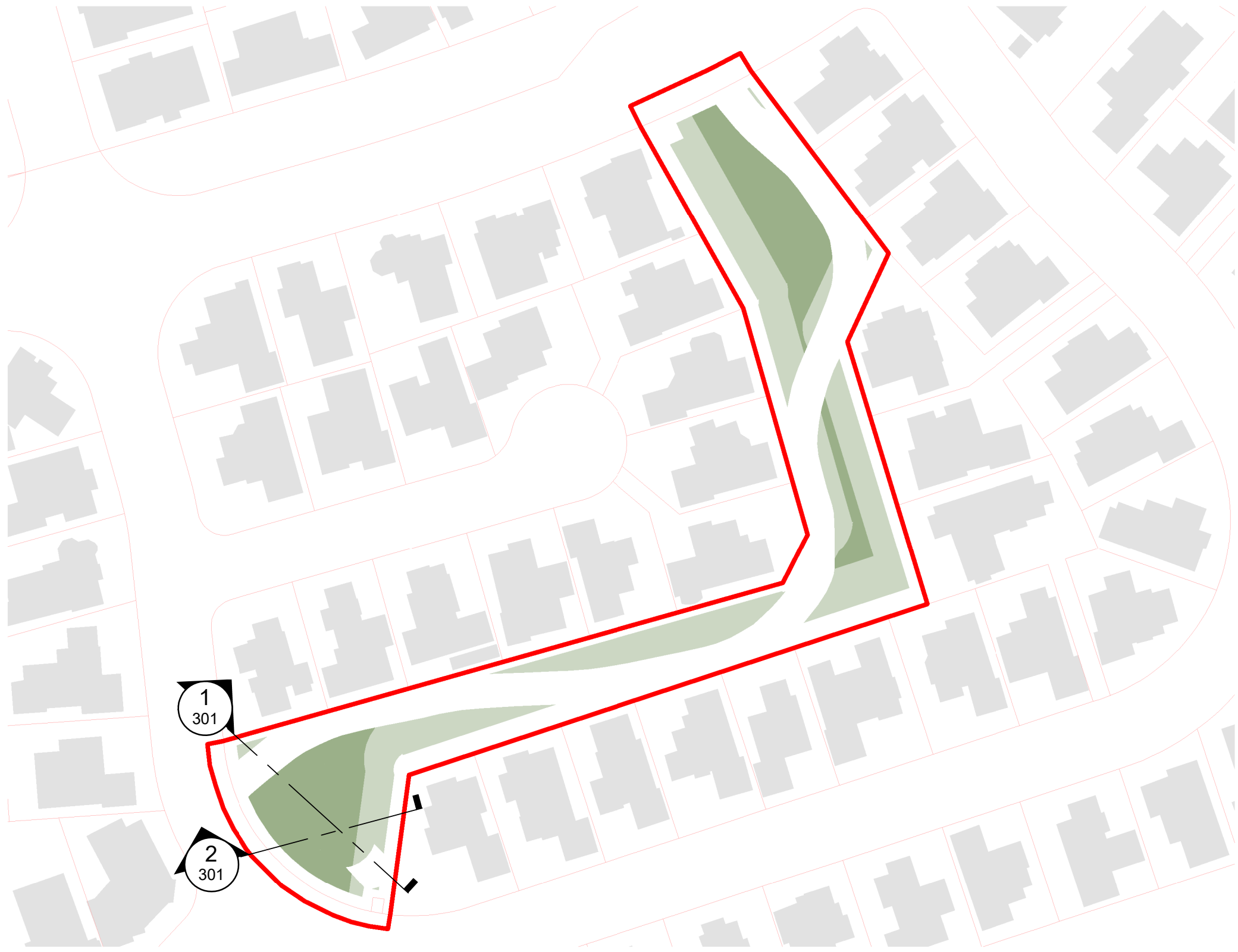
**Urban Forest Tree Planting
Pōhutukawa Reserve**

Cross Section Studies of Potential Tree
Heights

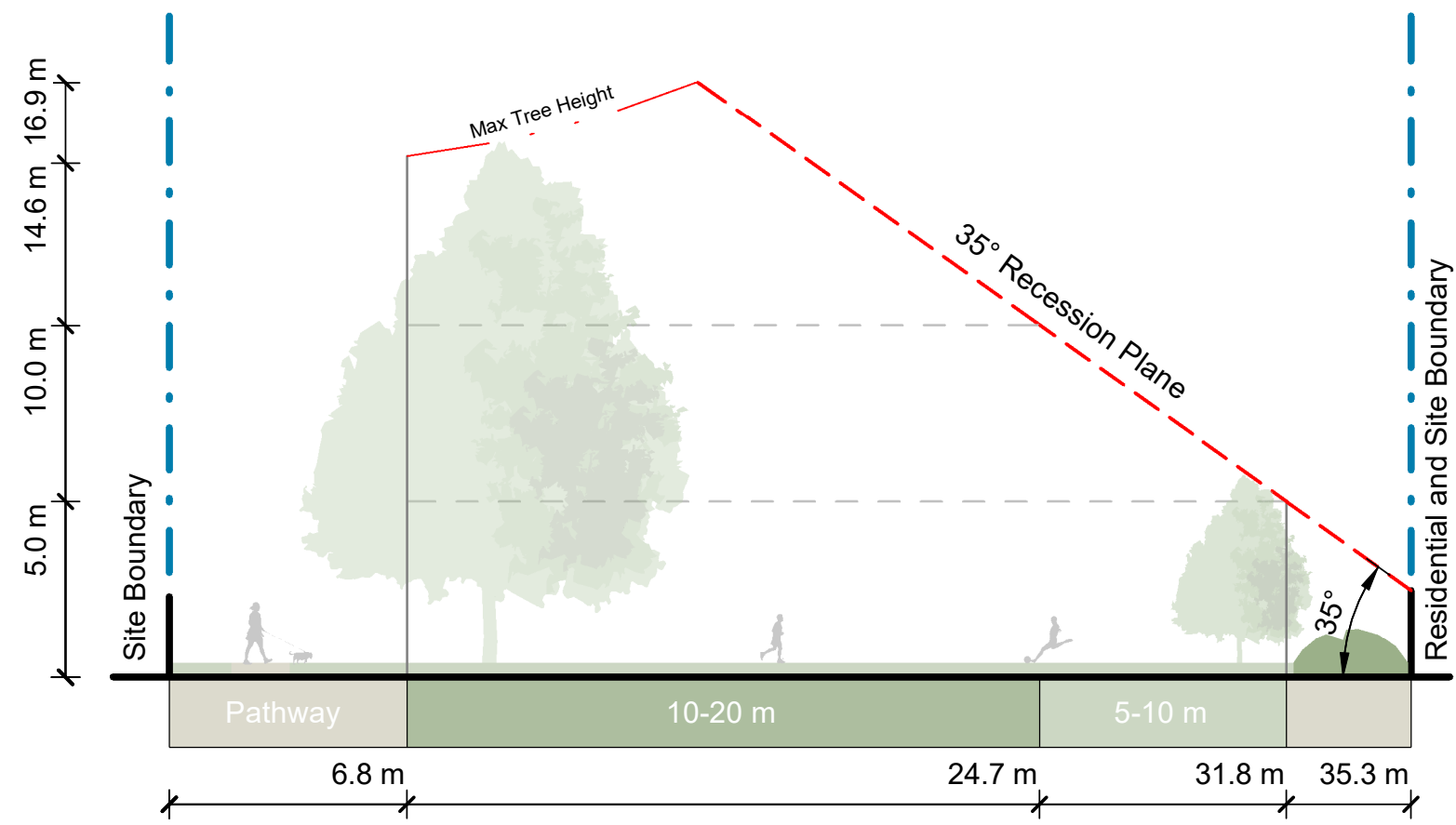
Design	SYo	Scale	Date
Drawn	SYo	As Shown	31.10.2025
Check	HCo		

Concept Design

DRAWING NO.	REVISION
BM240711_300	B



1 North-South Boundary Section
Scale: 1 : 200

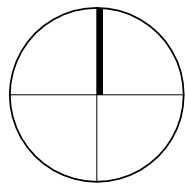


2 West-East Boundary Section
Scale: 1 : 200

ORIGINAL IN COLOUR



Note:
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Existing vegetation not shown.
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**Urban Forest Tree Planting
Pōhutukawa Reserve**

Cross Section Studies of Potential Tree
Heights

Design	SYo	Scale	Date
Drawn	SYo	As Shown	31.10.2025
Check	HCo		

Concept Design

DRAWING NO.	REVISION
BM240711_301	B



ORIGINAL IN COLOUR

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Existing Canopy Cover	-	749.23 m ²	11.5%	Canopy coverage to existing site
Proposed Canopy Coverage	-	3345.80 m ²	51.4%	Proposed canopy coverage
Total Canopy Coverage	-	4095.03m²	62.9%	Total canopy coverage

PLANTING SCHEDULE		
Qty	Type	Tree Height
9	Medium Tree	Tree Height 10-15m
39	Small Tree	Tree Height 5-10m
20	Existing Trees	

0m4m8m16m

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APR

HCO

HCO

Urban Forest Tree Planting

Pōhutukawa Reserve

Planting Plan

Design	SYo	Scale	Date
Drawn	SYo	1:400 @ A1	31.10.2025
Check	HCO	1:800 @ A3	

Concept Design

DRAWING NO.

BM240711_500

REVISION

B

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ORIGINAL IN COLOUR

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Existing Canopy Cover - 749.23 m²11.5%Canopy coverage to existing site

Proposed Canopy Coverage - 3345.80 m²51.4%Proposed canopy coverage

Total Canopy Coverage - 4095.03m²62.9%Total canopy coverage

PLANTING SCHEDULE

Qty	Type	Tree Height
9	Medium Tree	Tree Height 10-15m
39	Small Tree	Tree Height 5-10m
20	Existing Trees	

0 m

4 m

8 m

16 m

REV DATEDESCRIPTION

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APrHCoHCo

Urban Forest Tree Planting
Pōhutukawa Reserve

Planting Plan

Design SYoScaleDate

Drawn SYo1:400 @ A131.10.2025

Check HCo1:800 @ A3

REVISION

Concept Design

DRAWING NO. BM240711_510

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