



Urban Forest Tree Planting Centaurus Park

PROJECT NUMBER: **BM240711** Concept Design

PROJECT ADDRESS: St Martins,
Christchurch 8022

CLIENT: Christchurch City Council

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

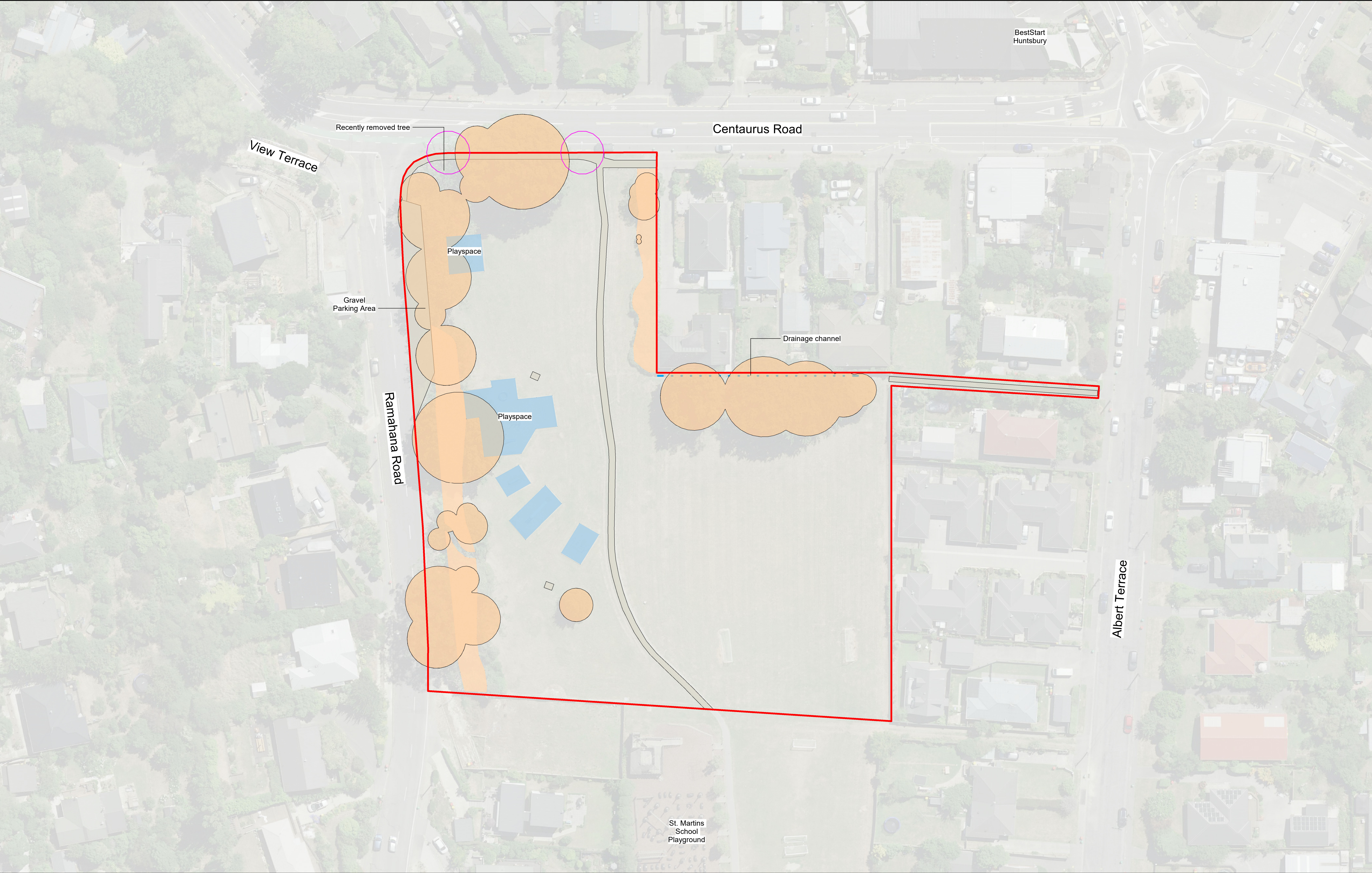


Boffa Miskell Limited
Level 1
141 Cambridge Terrace
Christchurch 8013
New Zealand
Tel: +64 3 366 8891
www.boffamiskell.co.nz

REV	DATE	DESCRIPTION
A	03.10.2025	Concept Design Draft
B	01.12.2025	Concept Design

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ORIGINAL IN COLOUR

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LEGEND

Existing Canopy Cover

Existing Lower Vegetation

Existing Pathways and Features

Existing Playground

Lightpole Clearance

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

Existing Specimen Trees - 22

Existing Canopy Cover - 2665.99 m²

23.2%

Canopy coverage to existing site

0 m

4 m

8 m

16 m

REV DATE

A 03.10.2025

B 01.12.2025

DESCRIPTION

Concept Design Draft

Concept Design

APr

HCo

HCo

Urban Forest Tree Planting

Centaurus Park

Existing Site

Design SYo

Drawn SYo

Check HCo

Scale

1:400 @ A1

1:800 @ A3

Date

03.10.2025

REVISION

CONCEPT DESIGN

DRAWING NO.

BM240711_200

REVISION

B

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ORIGINAL IN COLOUR

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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

0m4m8m16m

REV DATEDESCRIPTION

A03.10.2025Concept Design Draft

B01.12.2025Concept Design

APrHCoHCo

Urban Forest Tree Planting

Centaurus Park

Tree Height Capacities

Design SYoScaleDate

Drawn SYo1:400 @ A103.10.2025

Check HCo1:800 @ A3

CONCEPT DESIGN

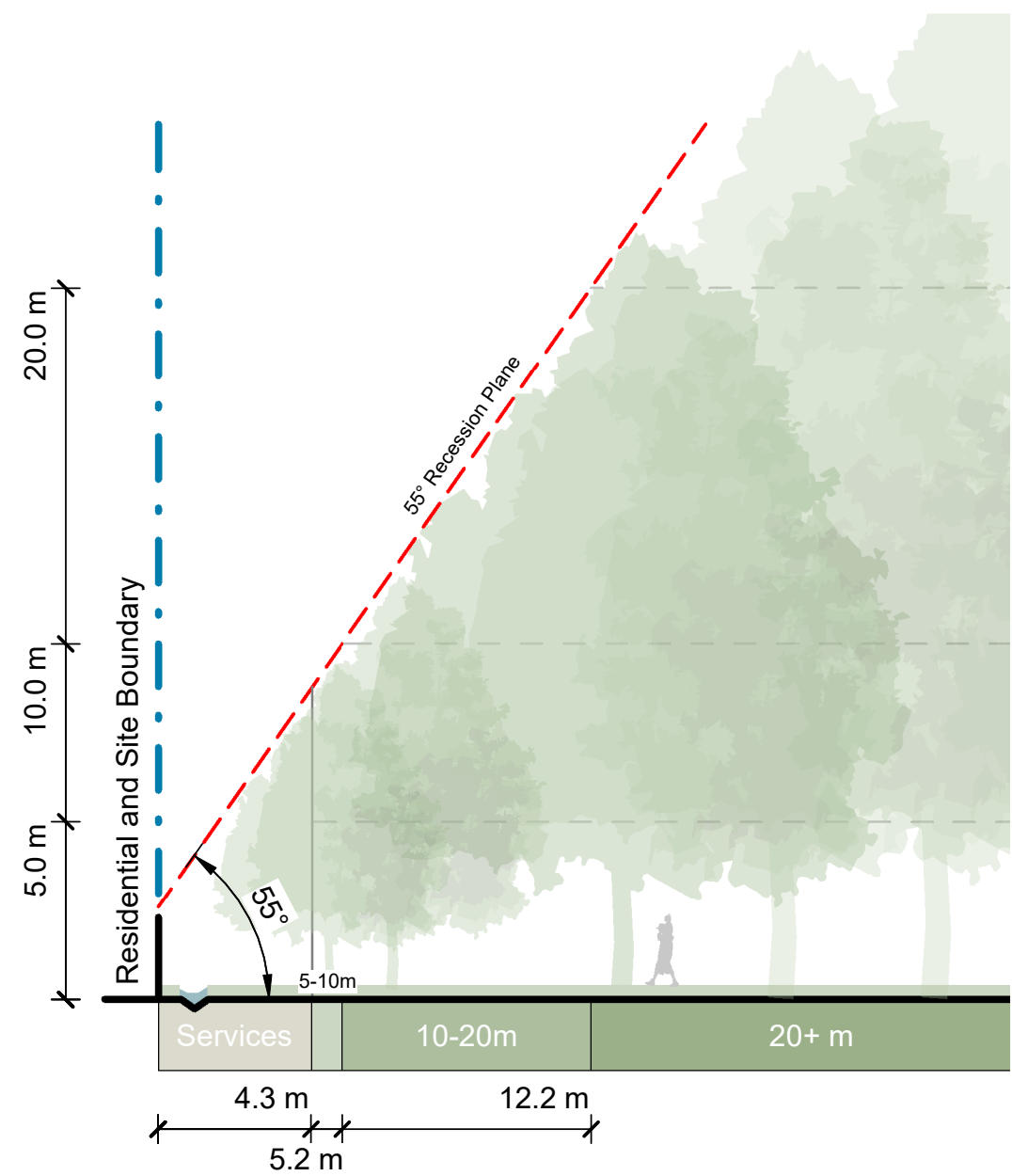
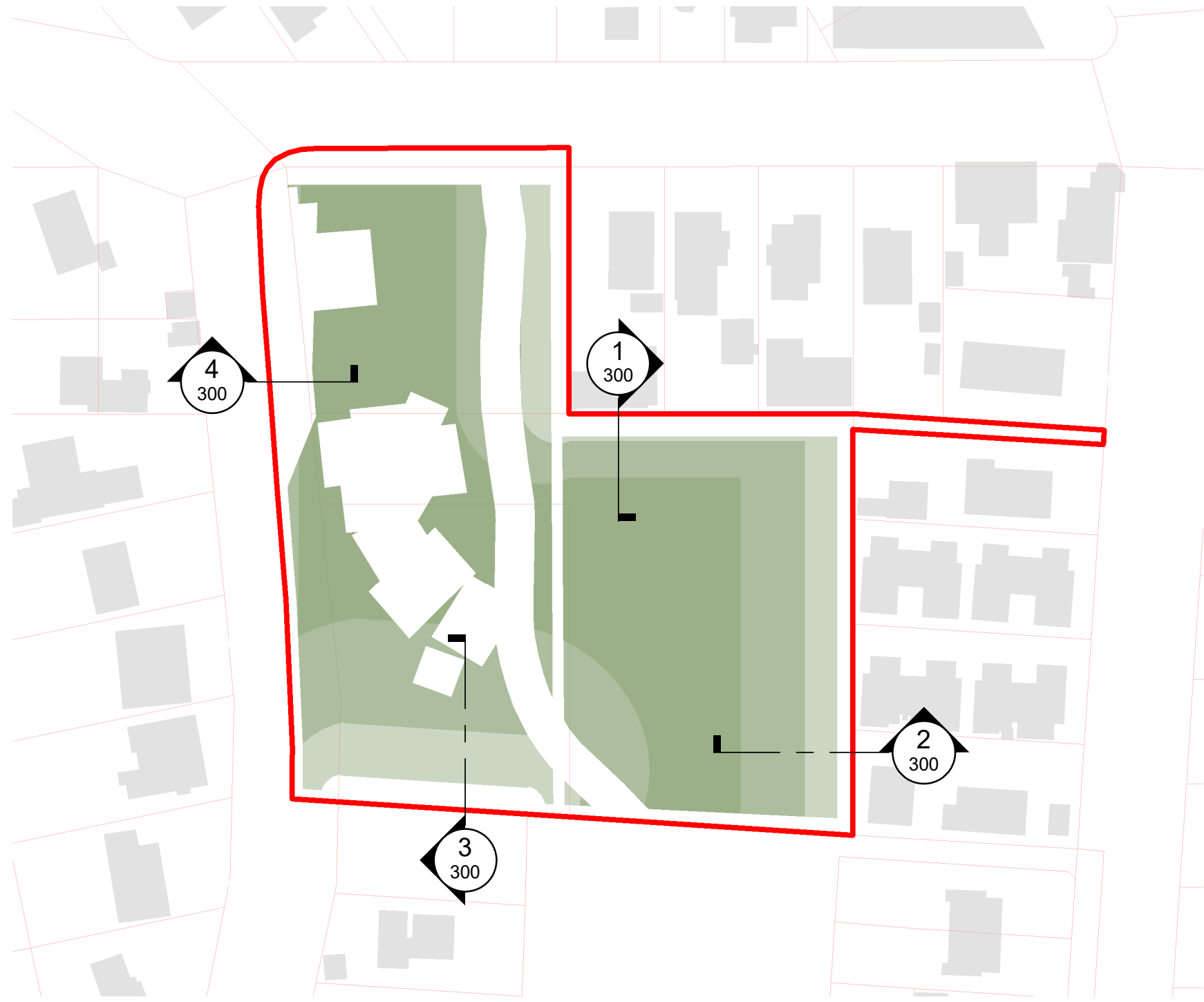
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BM240711_210

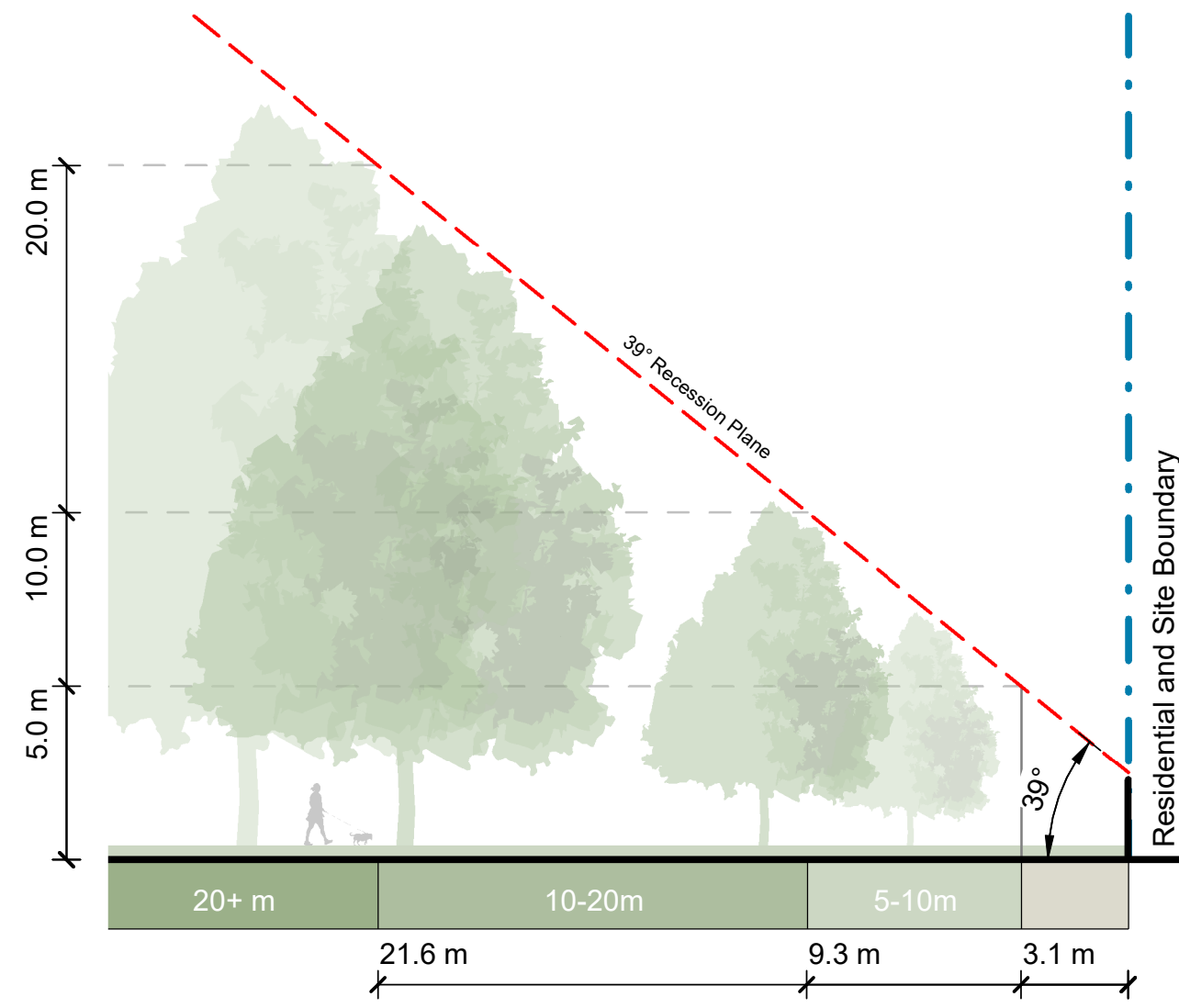
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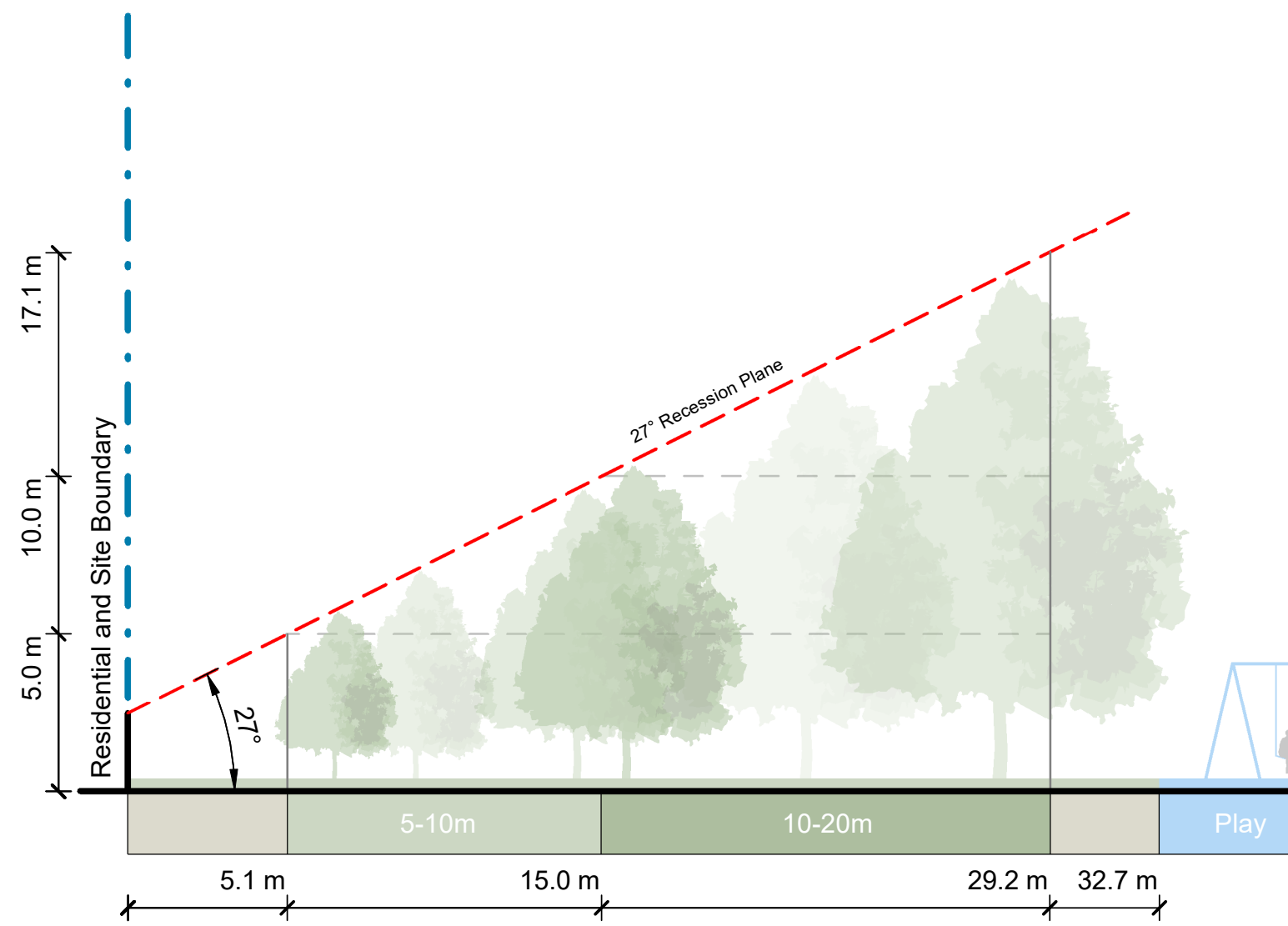
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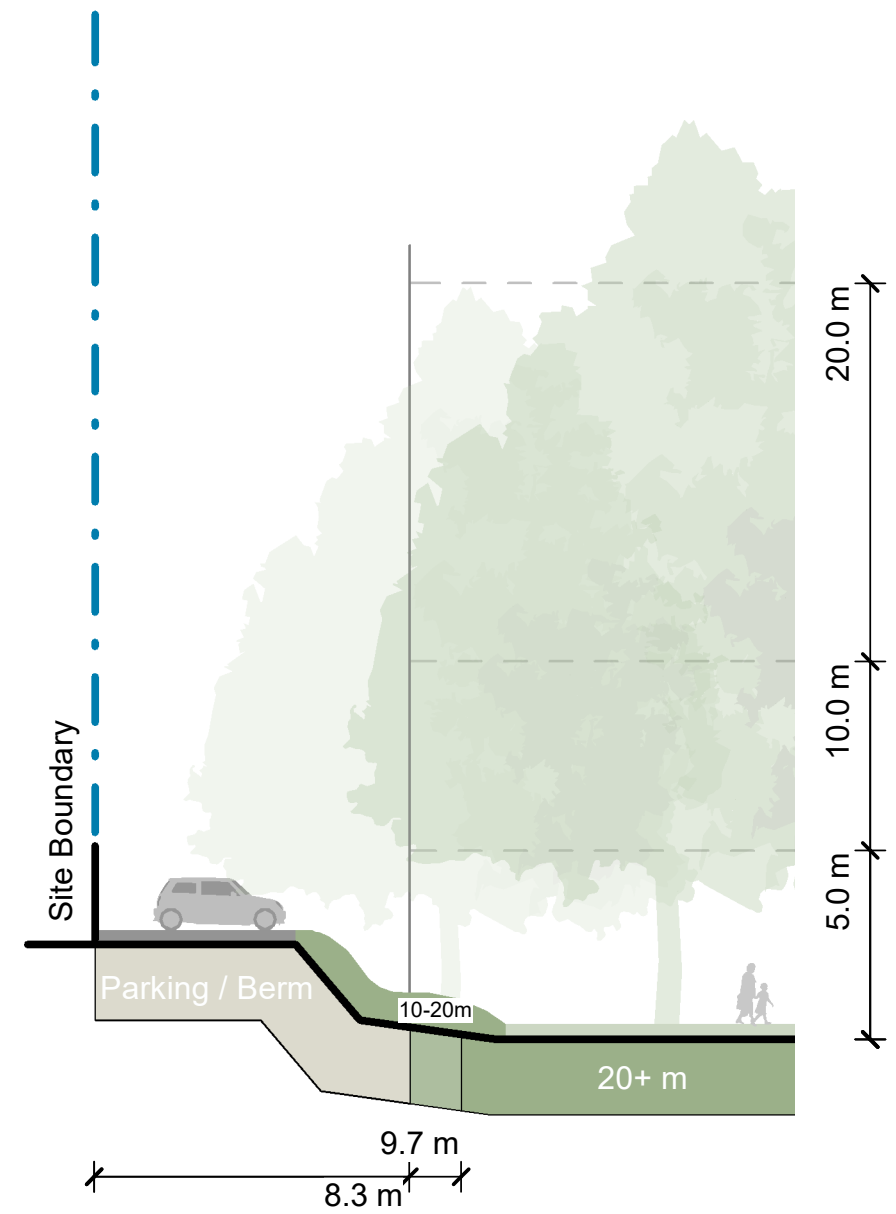
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Scale: 1 : 200



2 East Boundary Section
Scale: 1 : 200



3 South Boundary Section
Scale: 1 : 200

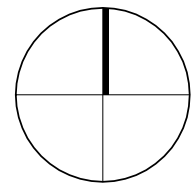


4 West Boundary Section
Scale: 1 : 200

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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Centaurus Park**

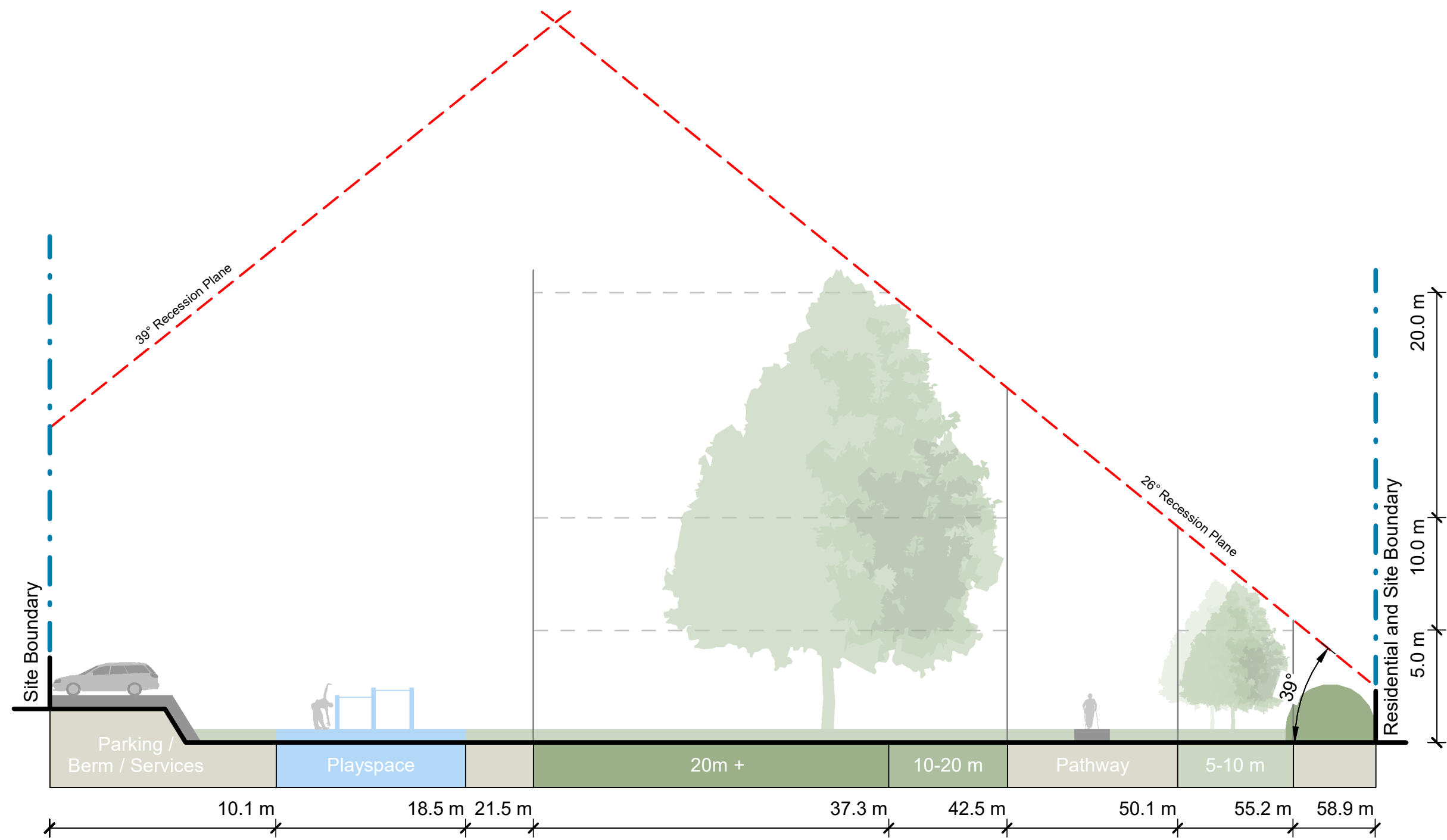
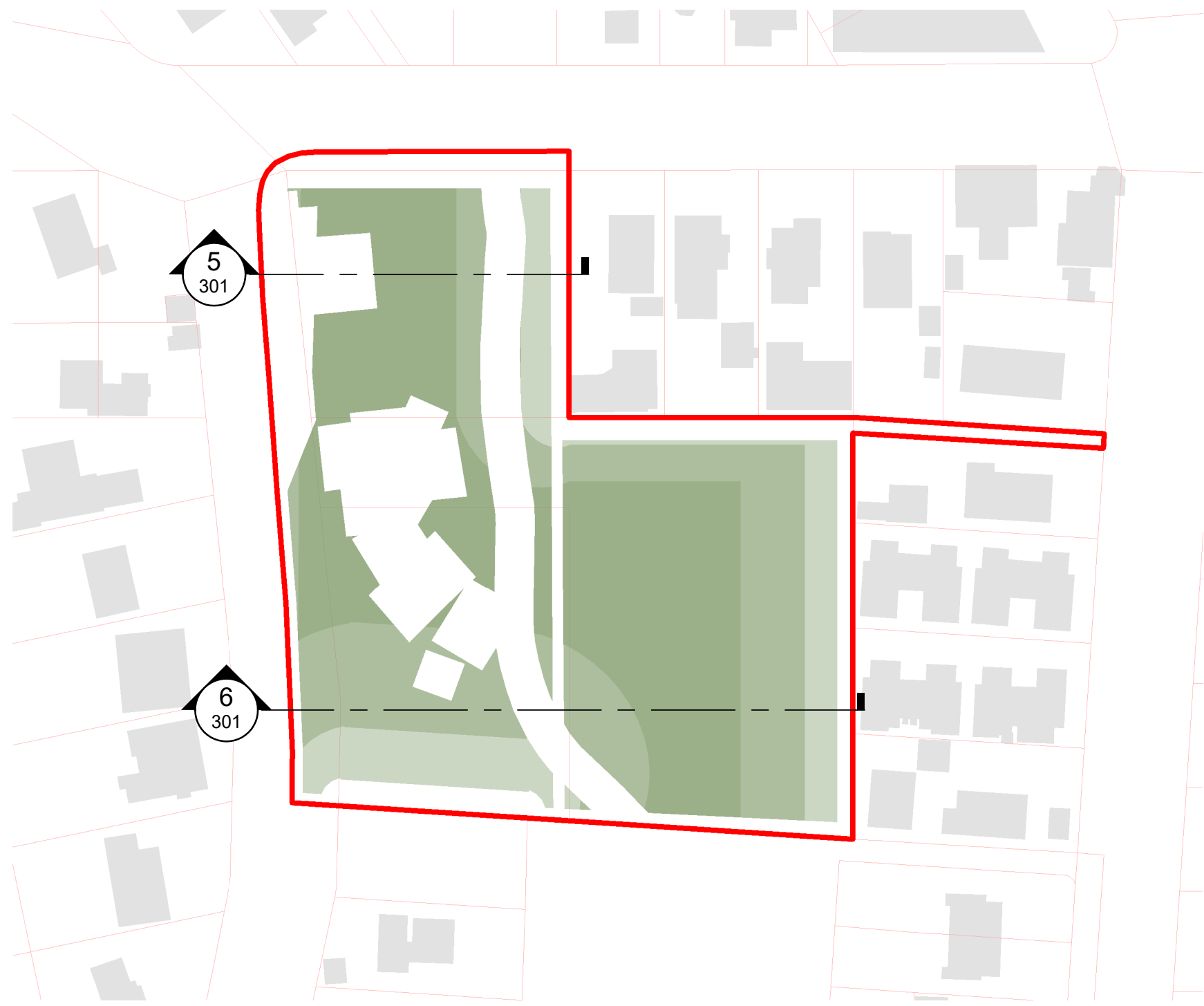
Cross Section Studies of Potential Tree
Heights

Design	SYo	Scale	Date
Drawn	SYo	As Shown	03.10.2025
Check	HCo		

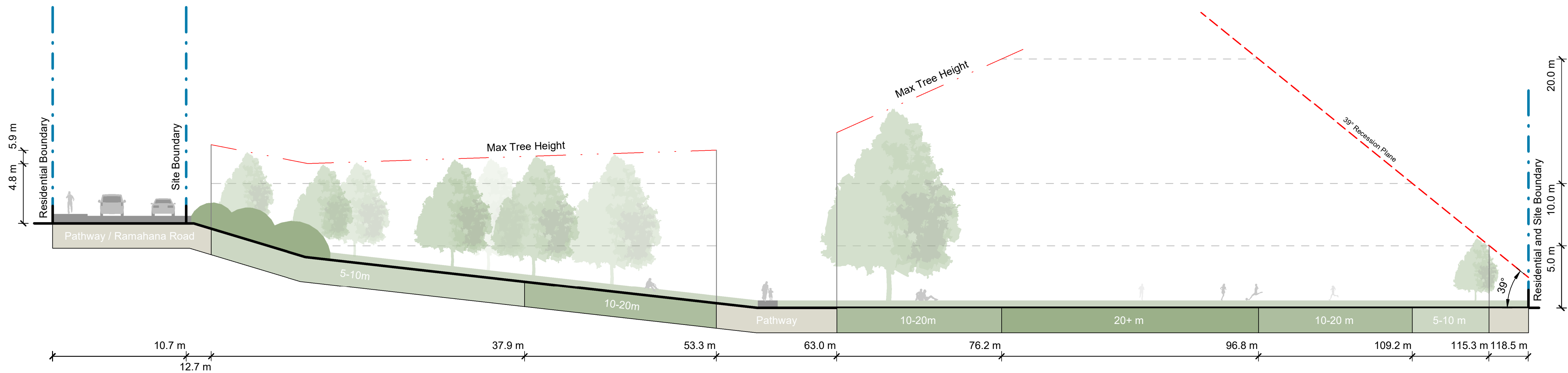
Concept Design

DRAWING NO.
BM240711_300

REVISION
B



5 East-West Cross Section
Scale: 1 : 200

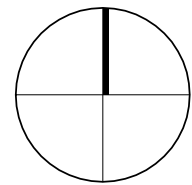


6 East-West Section
Scale: 1 : 200

ORIGINAL IN COLOUR



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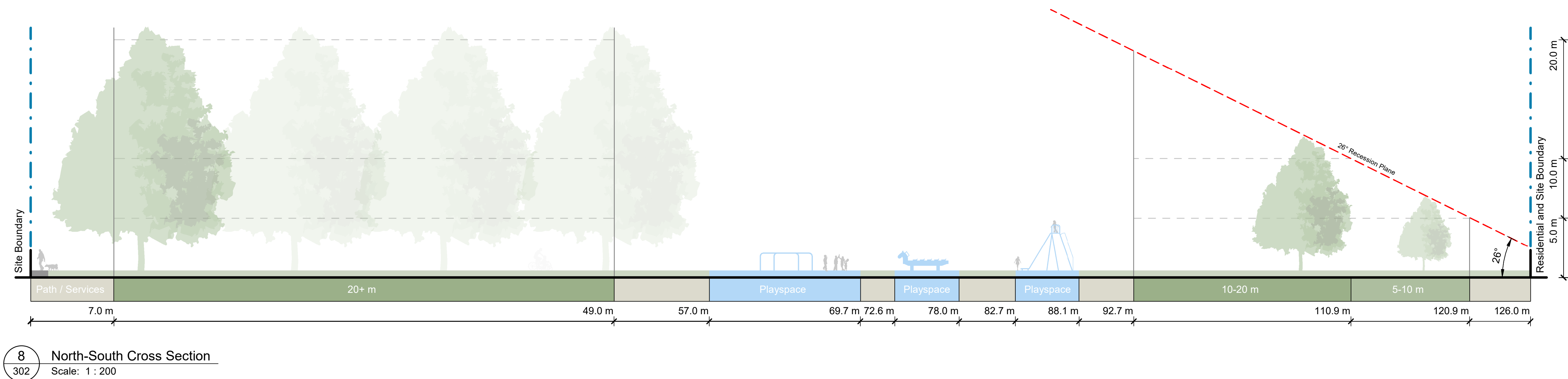
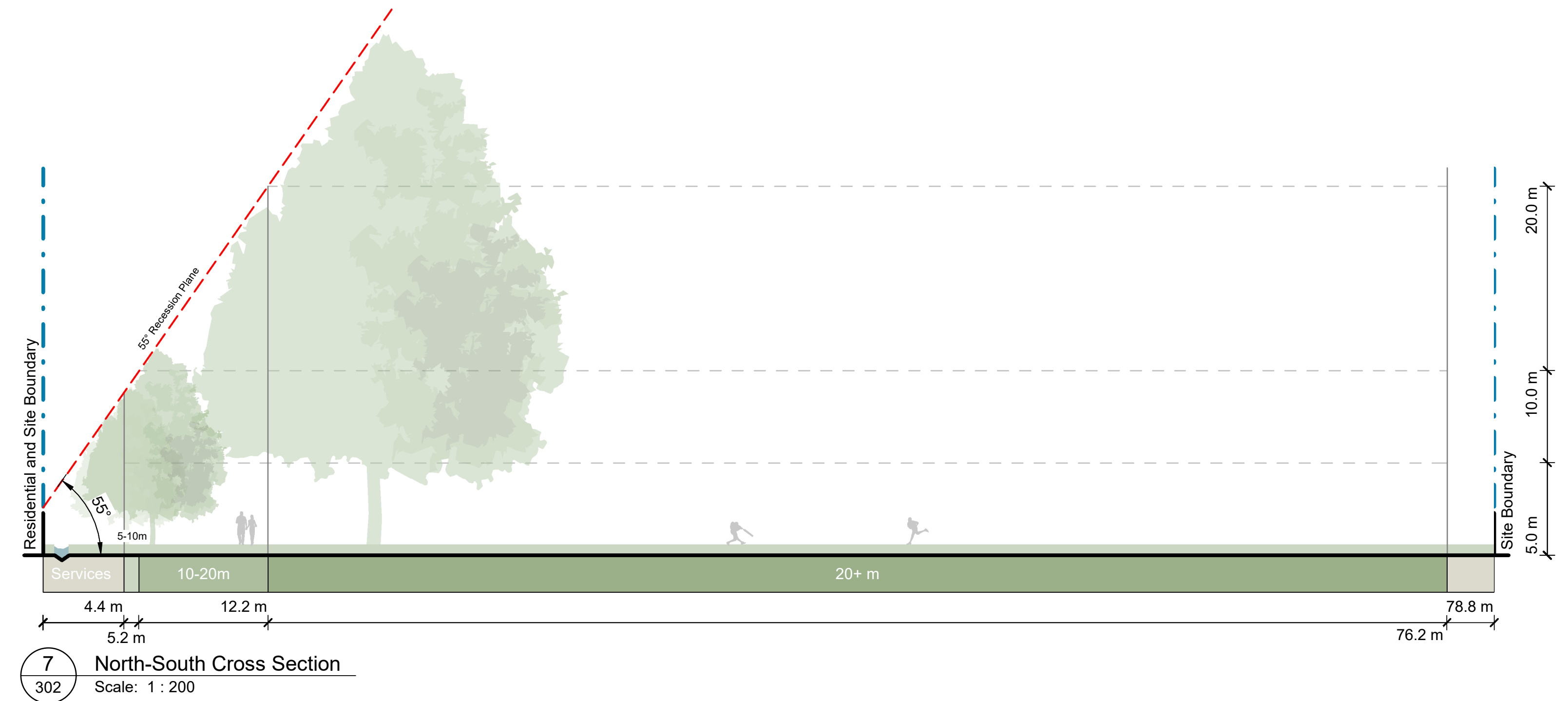
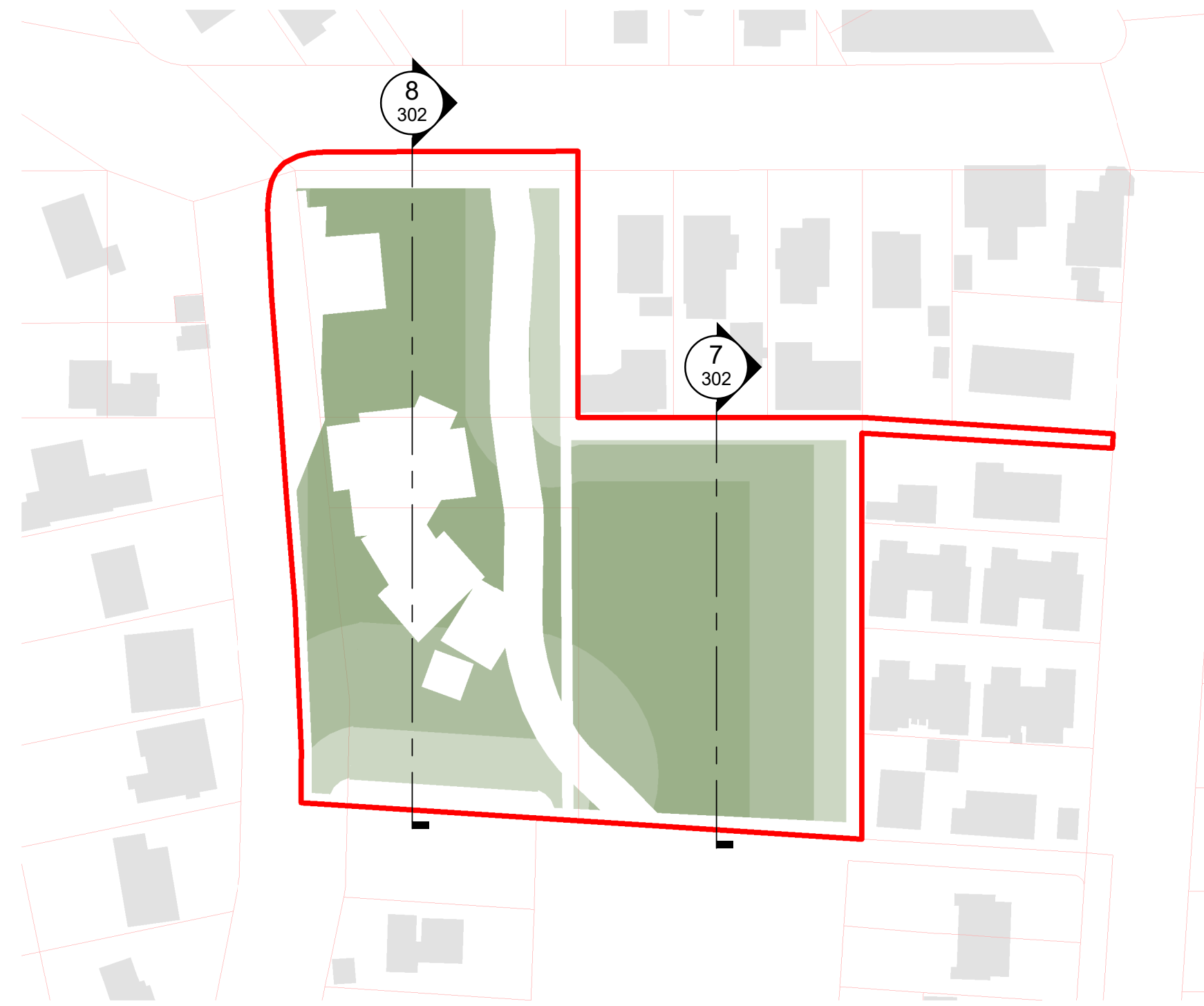
Urban Forest Tree Planting Centaurus Park

Cross Section Studies of Potential Tree
Heights

Design	SYo	Scale	Date
Drawn	SYo	As Shown	03.10.2025
Check	HCo		

Concept Design

DRAWING NO.	REVISION
BM240711_301	B

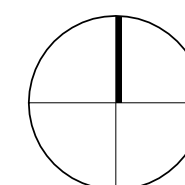


ORIGINAL IN COLOUR

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Urban Forest Tree Planting Centaurus Park

Cross Section Studies of Potential Tree Heights

Design	SYo	Scale	Date
Drawn	SYo	As Shown	03.10.2025
Check	HCo		

Concept Design

DRAWING NO. BM240711_302 REVISION (B)

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ORIGINAL IN COLOUR

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Existing Canopy Cover - 2665.99 m² 23.2% Canopy coverage to existing site

Proposed Canopy Coverage - 5560.62 m² 48.4% Proposed canopy coverage

Total Canopy Coverage - 8226.61m² 71.6% Total canopy coverage

PLANTING SCHEDULE

Qty	Type	Tree Height
8	Large Tree	Tree Height 15-20m
10	Medium Tree	Tree Height 10-15m
30	Small Tree	Tree Height 5-10m
22	Existing Trees	

0m 4m 8m 16m

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APr HCo HCo

Urban Forest Tree Planting Centaurus Park

Planting Plan

Design SYo Scale Date

Drawn SYo 1:400 @ A1 03.10.2025

Check HCo 1:800 @ A3

CONCEPT DESIGN

DRAWING NO. BM240711_500

REVISION B

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ORIGINAL IN COLOUR

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APR HCo HCo

Urban Forest Tree Planting Centaurus Park

Planting Plan

Design SYo Scale Date

Drawn SYo 1:400 @ A1 03.10.2025

Check HCo 1:800 @ A3

Concept Design

DRAWING NO. BM240711_510

REVISION B

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