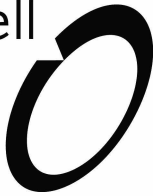




Urban Forest Tree Planting Greenaway Park

PROJECT NUMBER:	BM240711	Concept Design
PROJECT ADDRESS:	Greenaway Street, Halswell, Christchurch 8025	
CLIENT:	Christchurch City Council	
CLIENT ADDRESS:	53 Hereford Street Christchurch Central Christchurch 8013 New Zealand	
Boffa Miskell 		Boffa Miskell Limited Level 1 141 Cambridge Terrace Christchurch 8013 New Zealand Tel: +64 3 366 8891 www.boffamiskell.co.nz
REV	DATE	DESCRIPTION
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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
301 Cross Section Studies of Potential Tree Heights
302 Cross Section Studies of Potential Tree Heights
500 Planting
500 Planting Plan
510 Planting Plan



ORIGINAL IN COLOUR

Boffa Miskell



LEGEND

Existing Canopy Cover

Existing Lower Vegetation

Existing Attenuation Zone

Existing Playground

Lightpole Clearance

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

Existing Specimen Trees - 46

Existing Canopy Cover - 657.33 m²

15.8%

Canopy coverage to existing site

REV DATE

A 12.12.2025

DESCRIPTION

Concept Design Draft

APR

HCO

Urban Forest Tree Planting

Greenaway Park

Existing Site

Design SYo

Drawn SYo

Check HCo

Scale

1:250 @ A1

1:500 @ A3

Date

12.12.2025

Concept Design

DRAWING NO.

BM240711_200

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ORIGINAL IN COLOUR

Boffa Miskell

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

REV DATE

A 12.12.2025

DESCRIPTION

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HCo

0m 2.5m 5m 10m

Urban Forest Tree Planting

Greenaway Park

Tree Height Capacities

Design SYo

Drawn SYo

Check HCo

Scale 1:250 @ A1

1:500 @ A3

Date 12.12.2025

Concept Design

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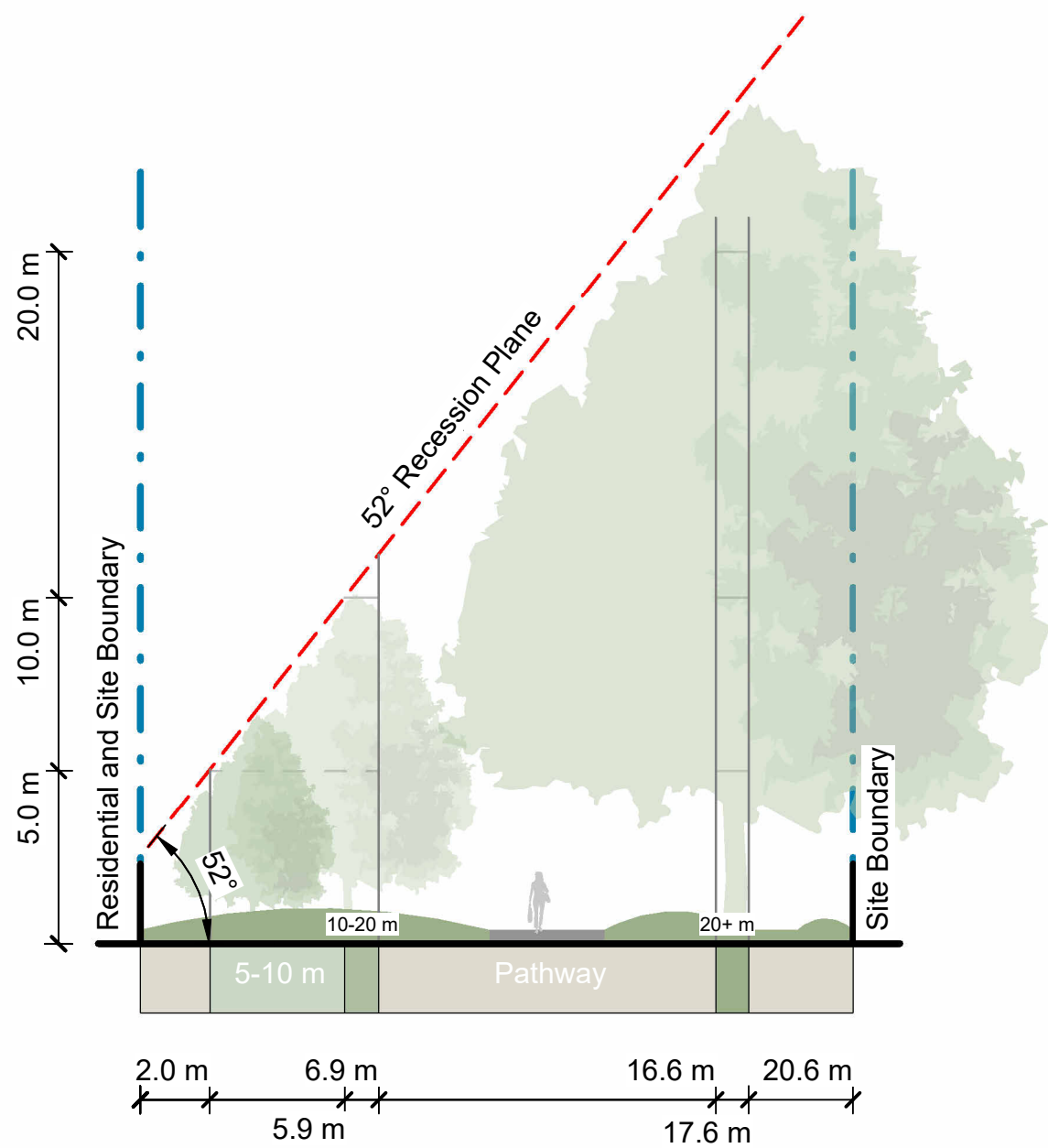
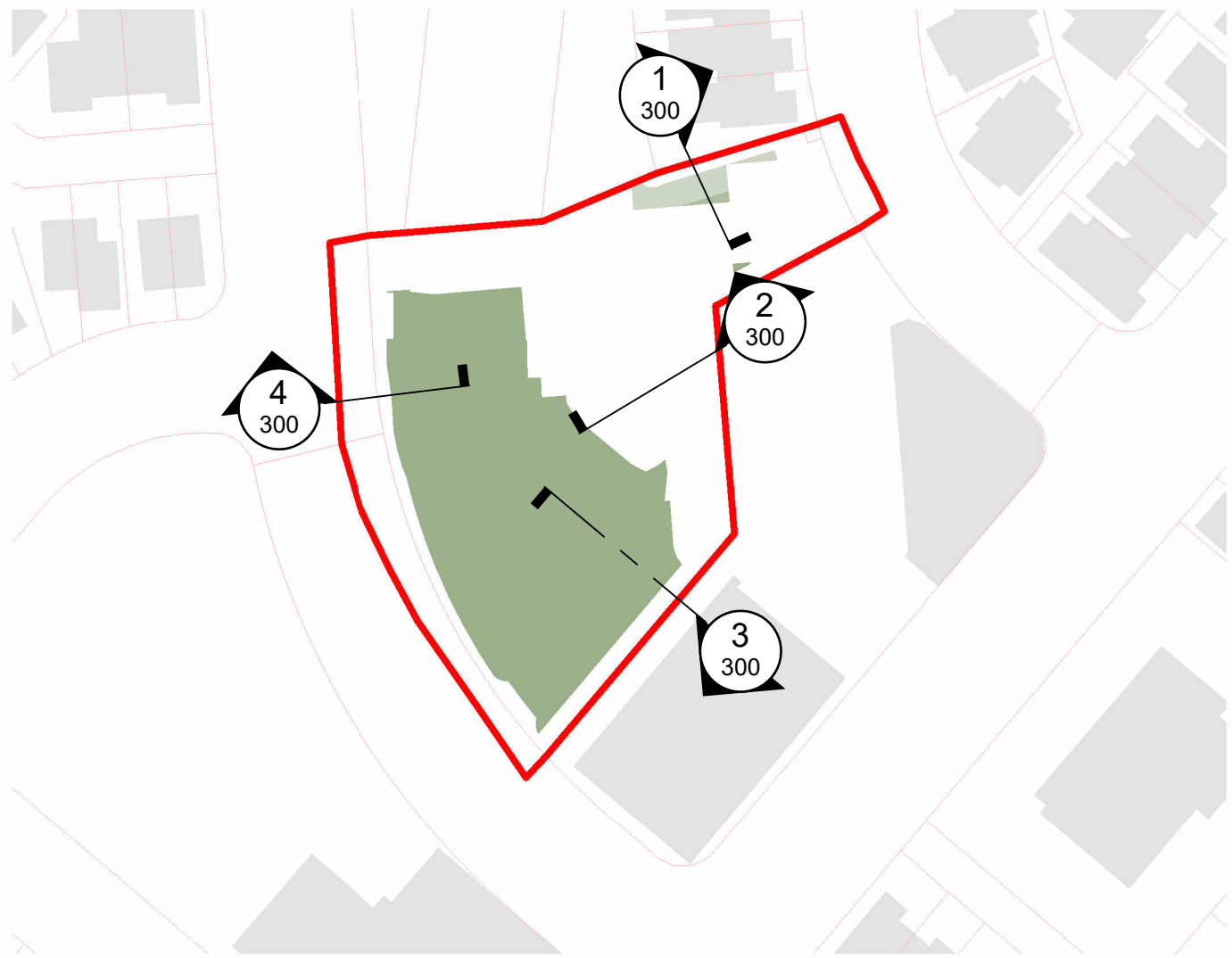
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REVISION

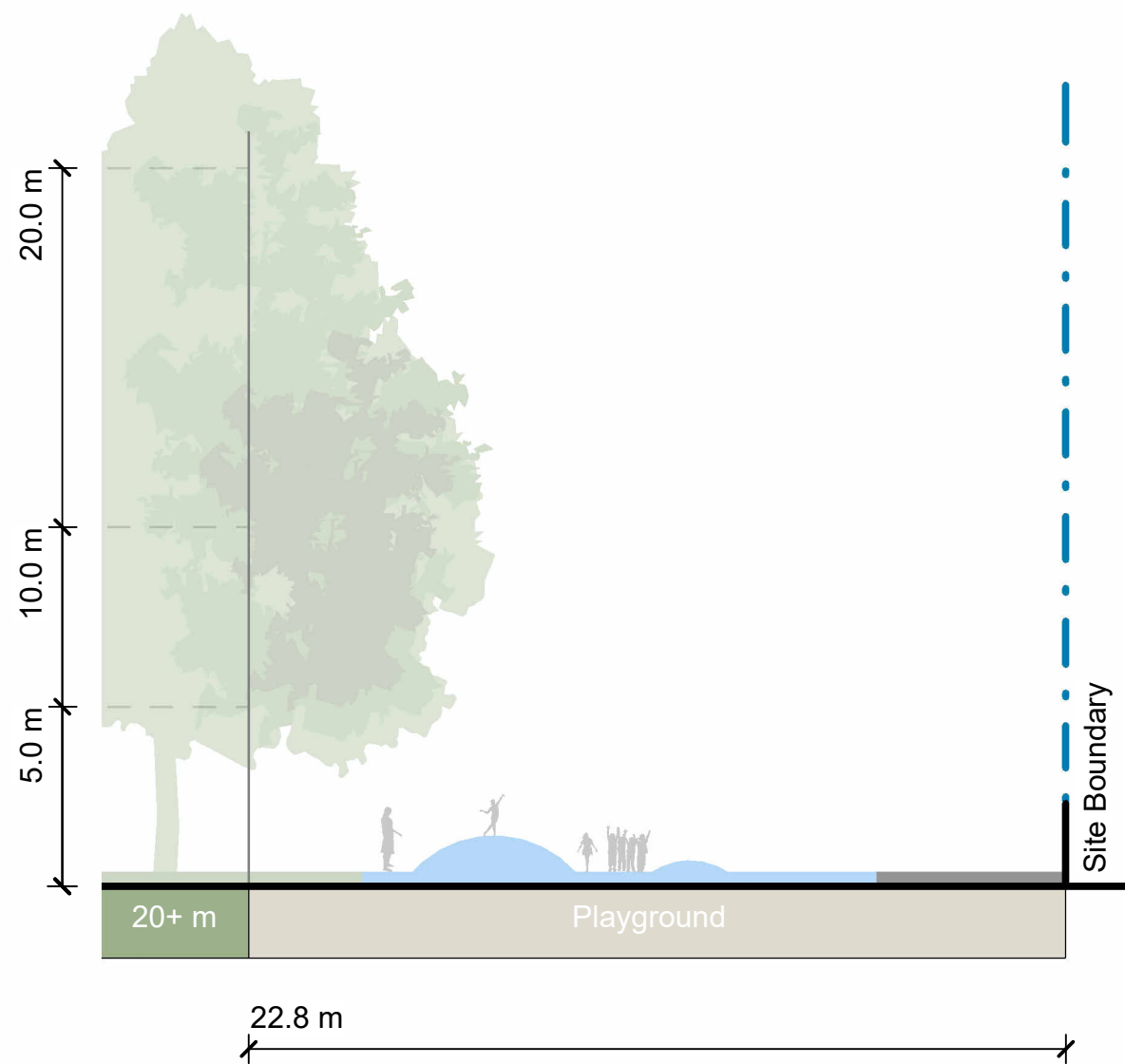
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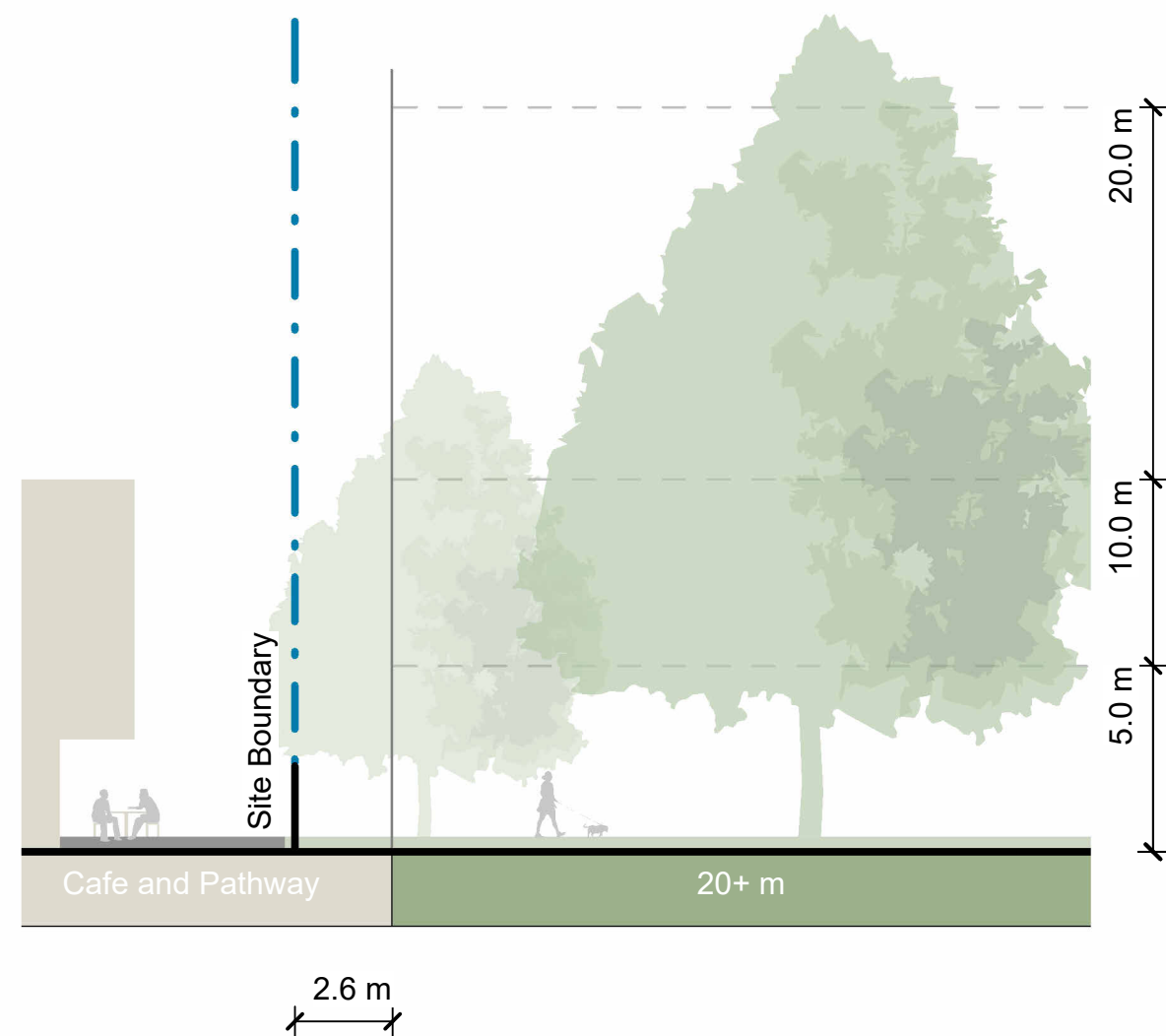
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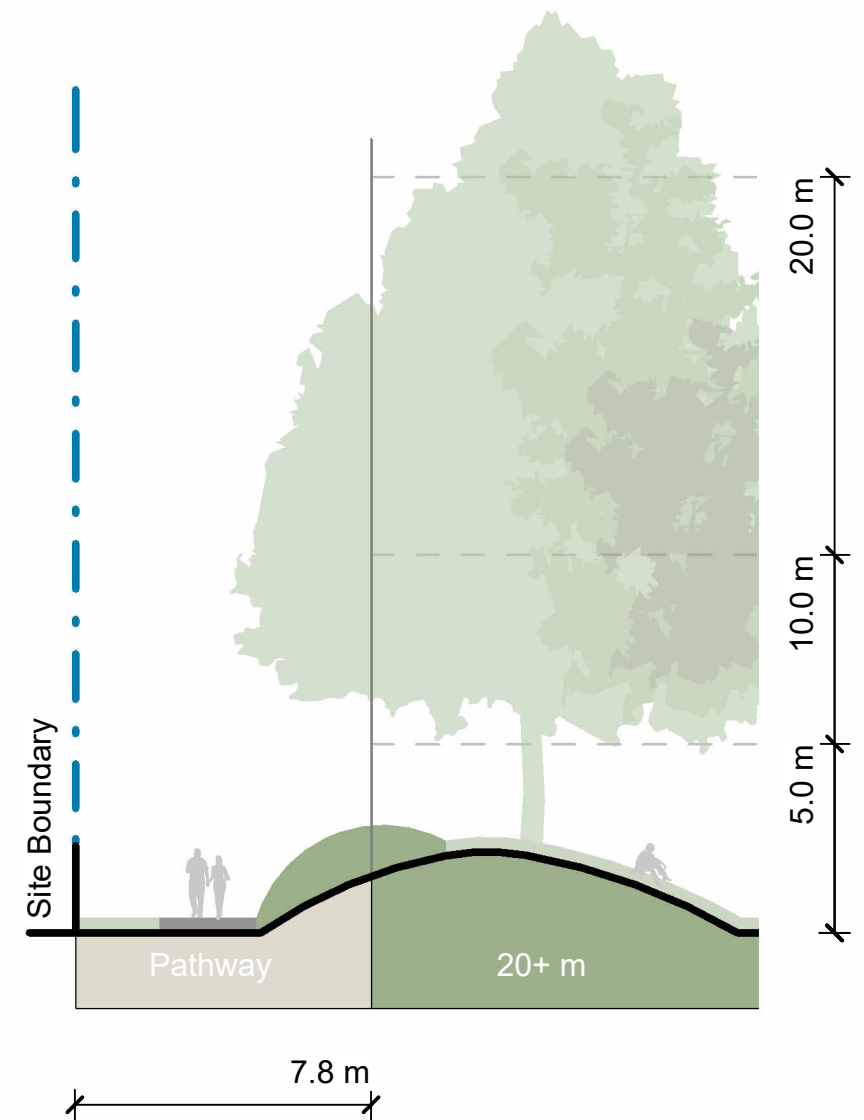
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Scale: 1 : 200



2 East Boundary Section
Scale: 1 : 200



3 South Boundary Section
Scale: 1 : 200

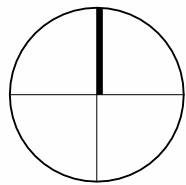


4 West Boundary Section
Scale: 1 : 200

ORIGINAL IN COLOUR



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



REV	DATE	DESCRIPTION
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APR
HCo

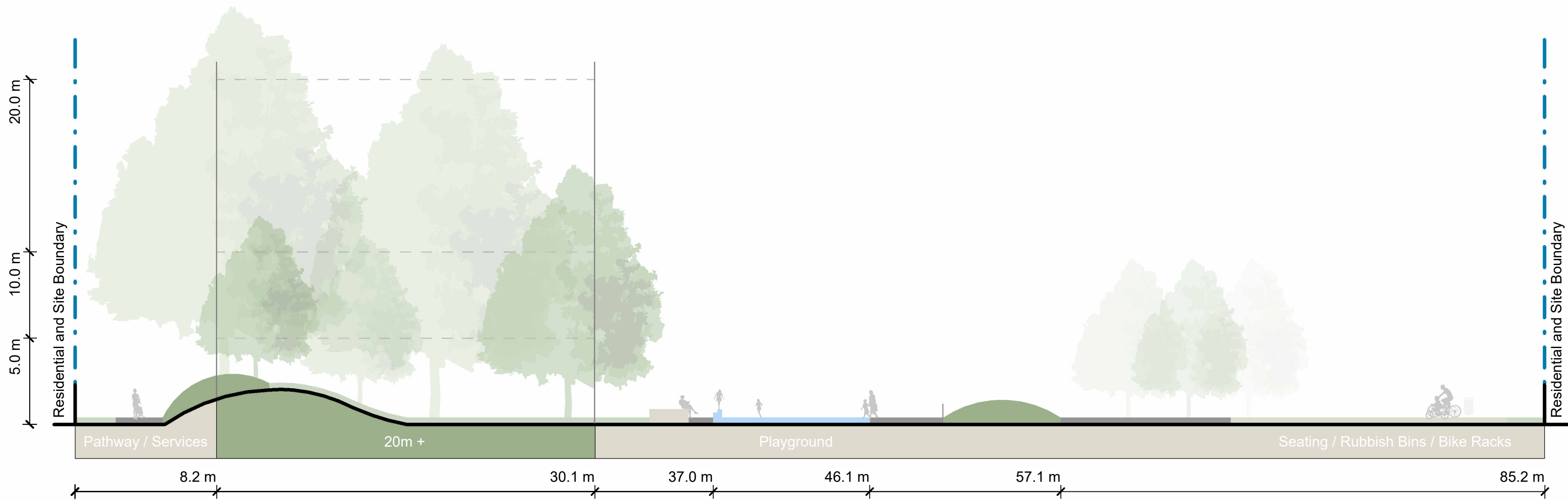
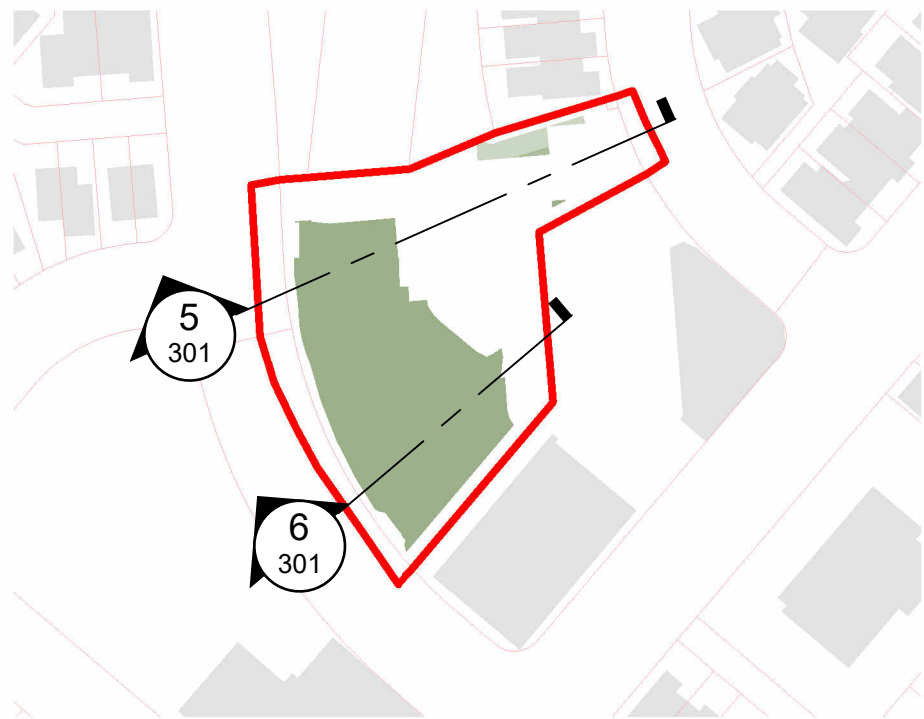
Urban Forest Tree Planting Greenaway Park

Cross Section Studies of Potential Tree
Heights

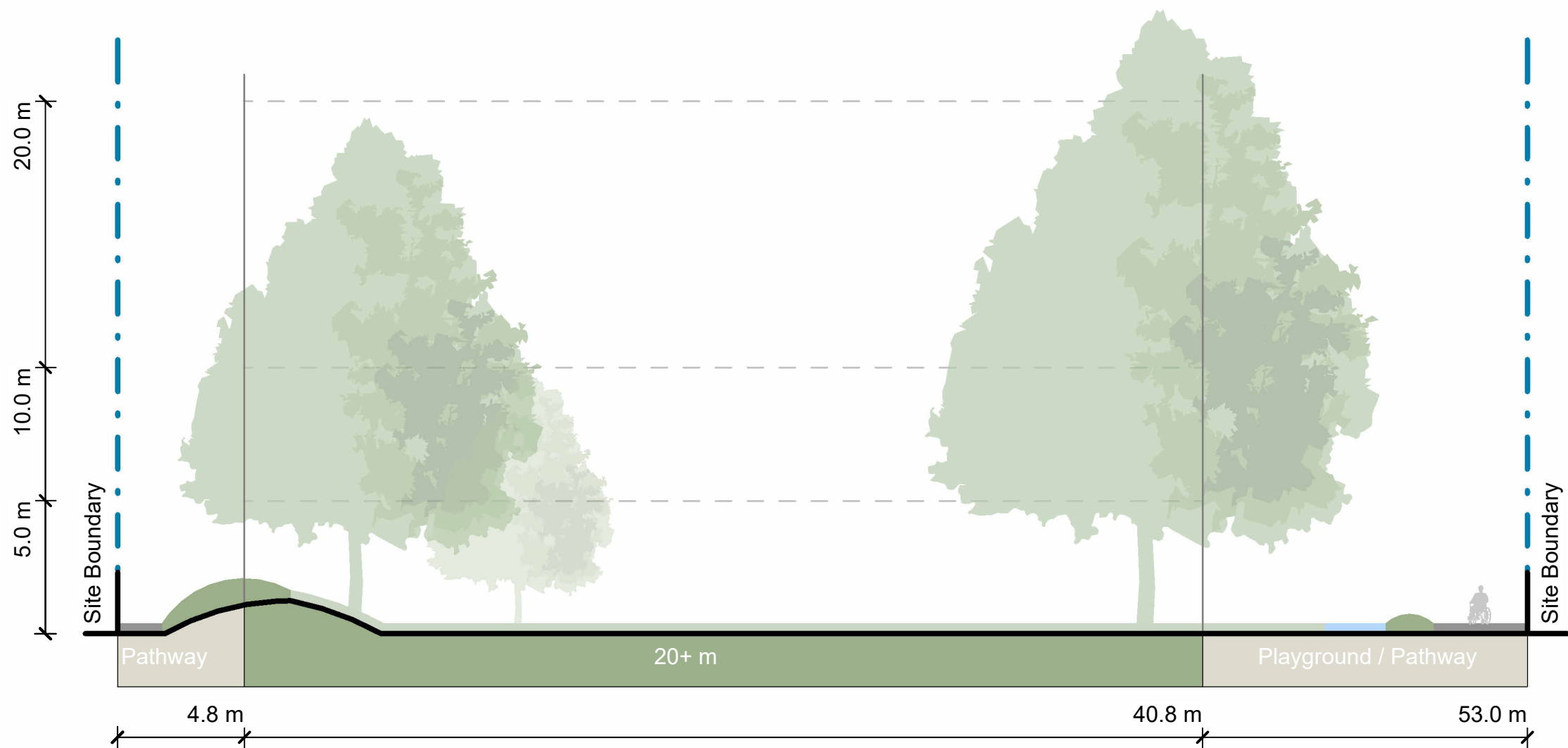
Design	SYo	Scale	Date
Drawn	SYo	As Shown	12.12.2025
Check	HCo		

Concept Design

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5 West - East Cross Section
Scale: 1 : 200

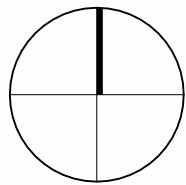


6 West - East Cross Section
Scale: 1 : 200

ORIGINAL IN COLOUR



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



REV	DATE	DESCRIPTION
A	12.12.2025	Concept Design Draft

APR
HCO

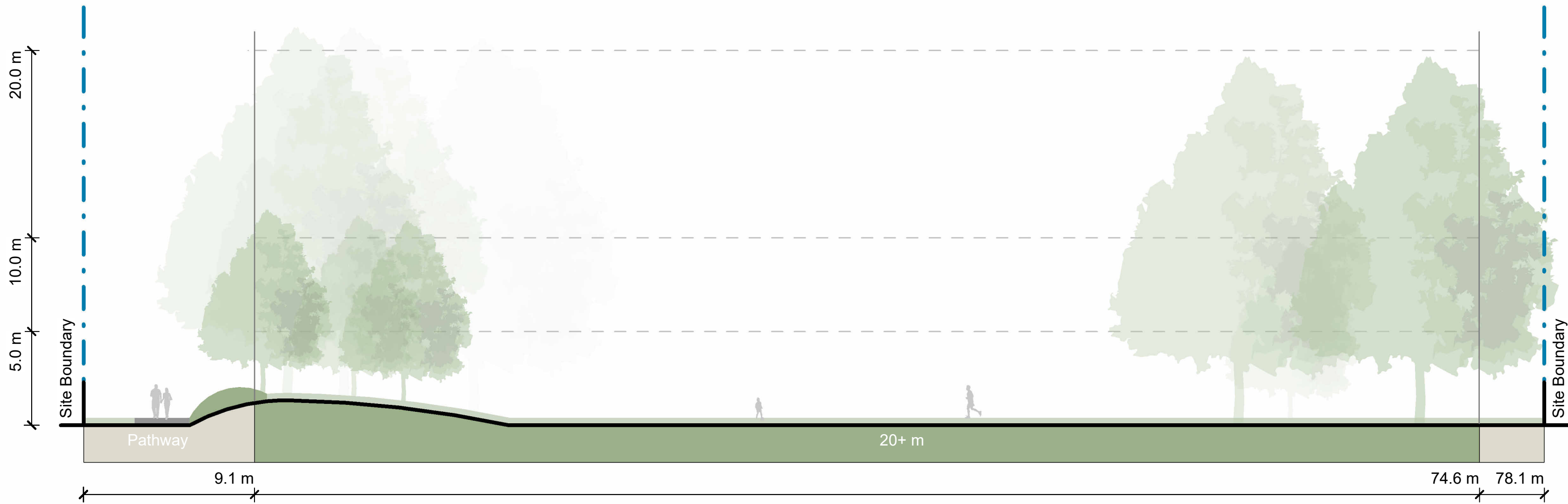
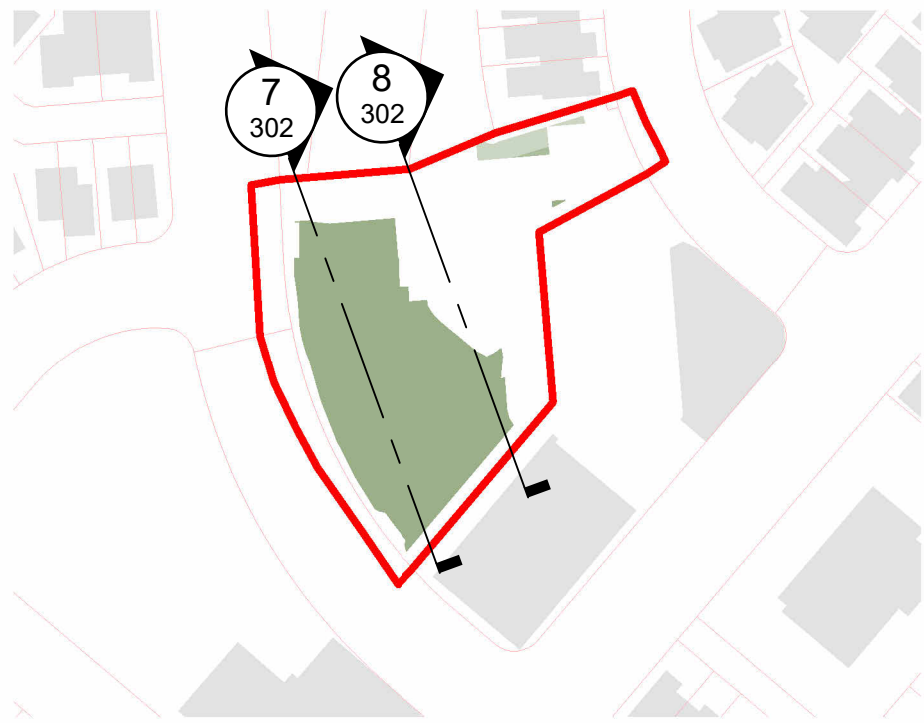
Urban Forest Tree Planting Greenaway Park

Cross Section Studies of Potential Tree
Heights

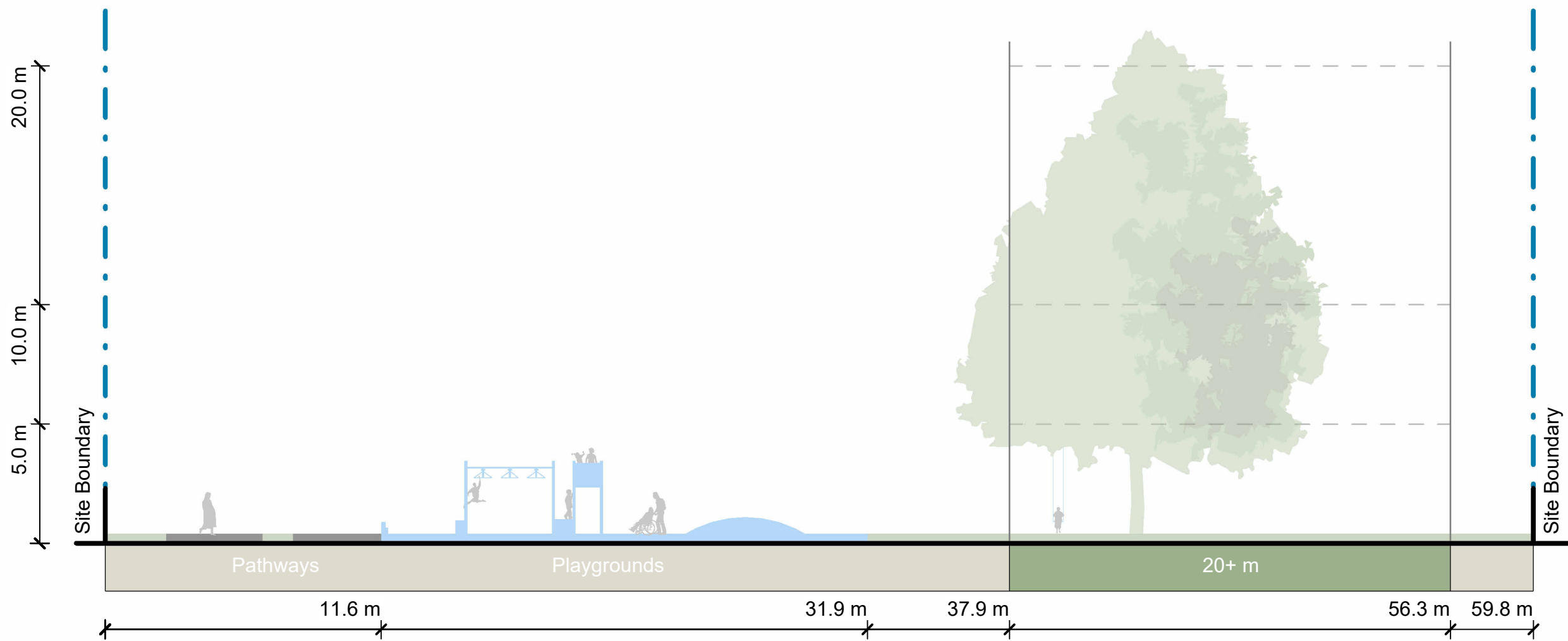
Design	SYo	Scale	Date
Drawn	SYo	As Shown	12.12.2025
Check	HCo		

Concept Design

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BM240711_301	A



7 North - South Cross Section
Scale: 1 : 200

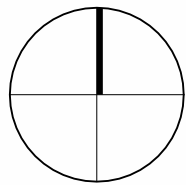


8 North - South Cross Section
Scale: 1 : 200

ORIGINAL IN COLOUR



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



REV	DATE	DESCRIPTION
A	12.12.2025	Concept Design Draft

APR
HCo

Urban Forest Tree Planting Greenaway Park

Cross Section Studies of Potential Tree
Heights

Design	SYo	Scale	Date
Drawn	SYo	As Shown	12.12.2025
Check	HCo		

Concept Design

DRAWING NO.	REVISION
BM240711_302	A



ORIGINAL IN COLOUR

Boffa Miskell

Existing Canopy Cover - 657.33 m² 15.8% Canopy coverage to existing site

Proposed Canopy Coverage - 1586.50 m² 38.2% Proposed canopy coverage

Total Canopy Coverage - 2243.83m² 54.0% Total canopy coverage

PLANTING SCHEDULE

Qty	Type	Tree Height
1	Large Tree	Tree Height 15-20m
5	Medium Tree	Tree Height 10-15m
10	Small Tree	Tree Height 5-10m
46	Existing Trees	

0m 2.5m 5m 10m

REV DATE DESCRIPTION

A 12.12.2025 Concept Design Draft

APR HCo

Urban Forest Tree Planting Greenaway Park

Planting Plan

Design SYo Scale Date

Drawn SYo 1:250 @ A1 12.12.2025

Check HCo 1:500 @ A3

REVISION

CONCEPT DESIGN

DRAWING NO. BM240711_500

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Existing Canopy Cover - 657.33 m² 15.8% Canopy coverage to existing site

Proposed Canopy Coverage - 1586.50 m² 38.2% Proposed canopy coverage

Total Canopy Coverage - 2243.83m² 54.0% Total canopy coverage

PLANTING SCHEDULE

Qty	Type	Tree Height
1	Large Tree	Tree Height 15-20m
5	Medium Tree	Tree Height 10-15m
10	Small Tree	Tree Height 5-10m
46	Existing Trees	

REV	DATE	DESCRIPTION
A	12.12.2025	Concept Design Draft

APR HCo

Urban Forest Tree Planting

Greenaway Park

Planting Plan

Design	SYo	Scale	Date
Drawn	SYo	1:250 @ A1	12.12.2025
Check	HCo	1:500 @ A3	

Concept Design

DRAWING NO. **BM240711_510**

REVISION **A**