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Urban Forest Tree Planting
Old School Reserve

PROJECT NUMBER: **BM240711**

Concept Design

PROJECT ADDRESS: 172 Major Hornbrook Road,
Mount Pleasant,
Christchurch 8081

CLIENT: Christchurch City Council

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

Boffa Miskell

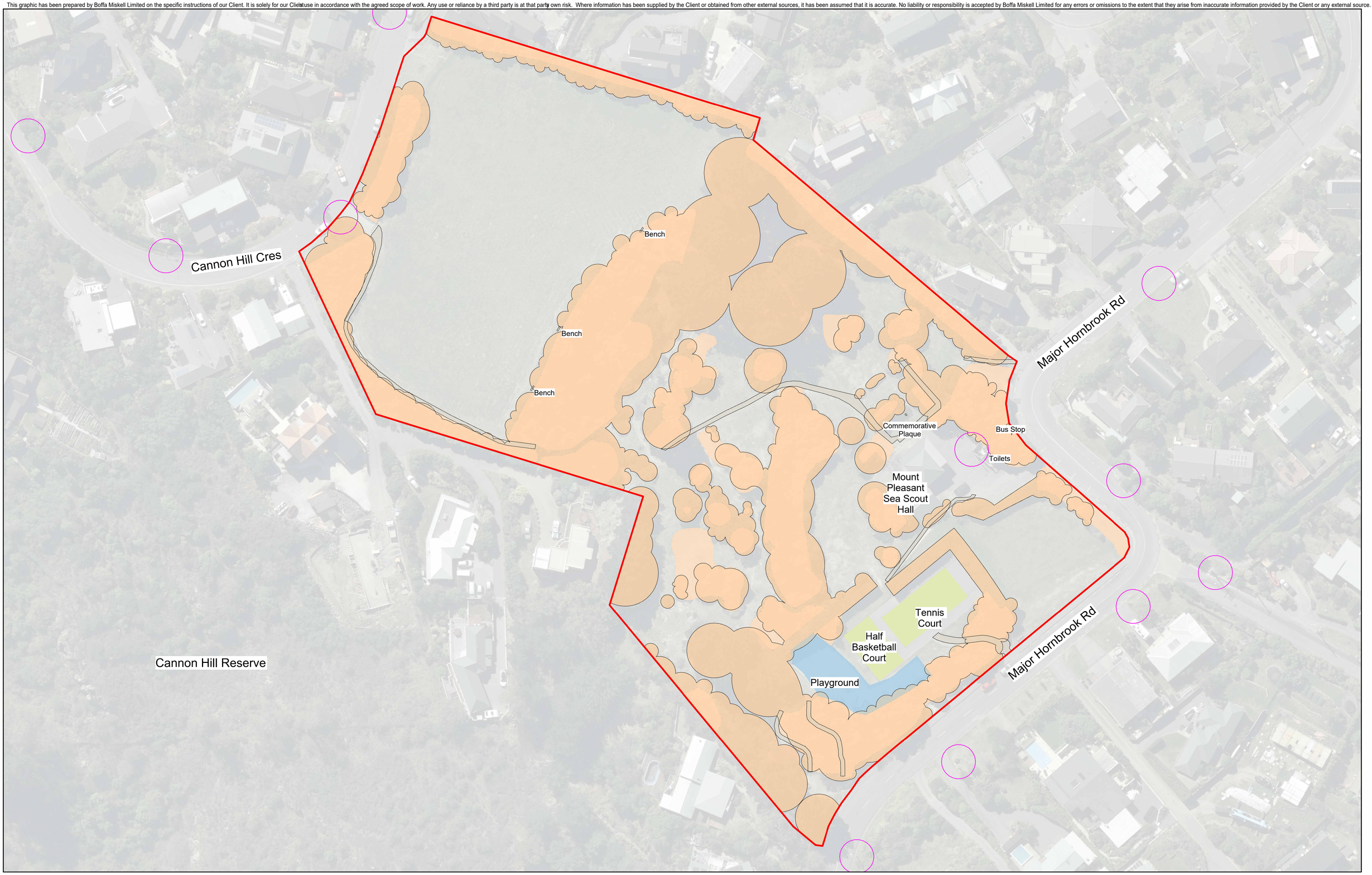
Boffa Miskell Limited
Level 1
141 Cambridge Terrace
Christchurch 8013
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REV	DATE	DESCRIPTION
A	09.09.2026	Concept Design Draft

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

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ORIGINAL IN COLOUR

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LEGEND

- Existing Canopy Cover
- Existing Lower Vegetation
- Existing Sports 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 - 505
Existing Canopy Cover - 13318.64 m² 46.9% Canopy coverage to existing site

0 m 5 m 10 m 20 m

REV	DATE	DESCRIPTION	APr
A	09.09.2026	Concept Design Draft	HCo

DRAFT UNDER REVISION

Urban Forest Tree Planting
Old School Reserve

Existing Site

Design	JKe	Scale	Date
Drawn	JKe	1:500 @ A1	09.09.2026
Check	HCo	1:1000 @ A3	

Concept Design

DRAWING NO. BM240711_200

REVISION A

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ORIGINAL IN COLOUR

Boffa Miskell

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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

0 m 5 m 10 m 20 m

REV	DATE	DESCRIPTION	APr
A	09.09.2026	Concept Design Draft	HCo

DRAFT UNDER REVISION

Urban Forest Tree Planting
Old School Reserve

Tree Height Capacities

Design	JKe	Scale	Date
Drawn	JKe	1:500 @ A1	09.09.2026
Check	HCo	1:1000 @ A3	

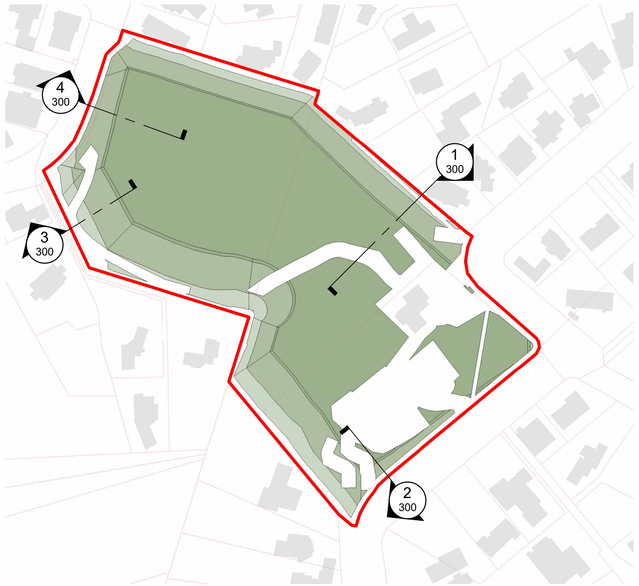
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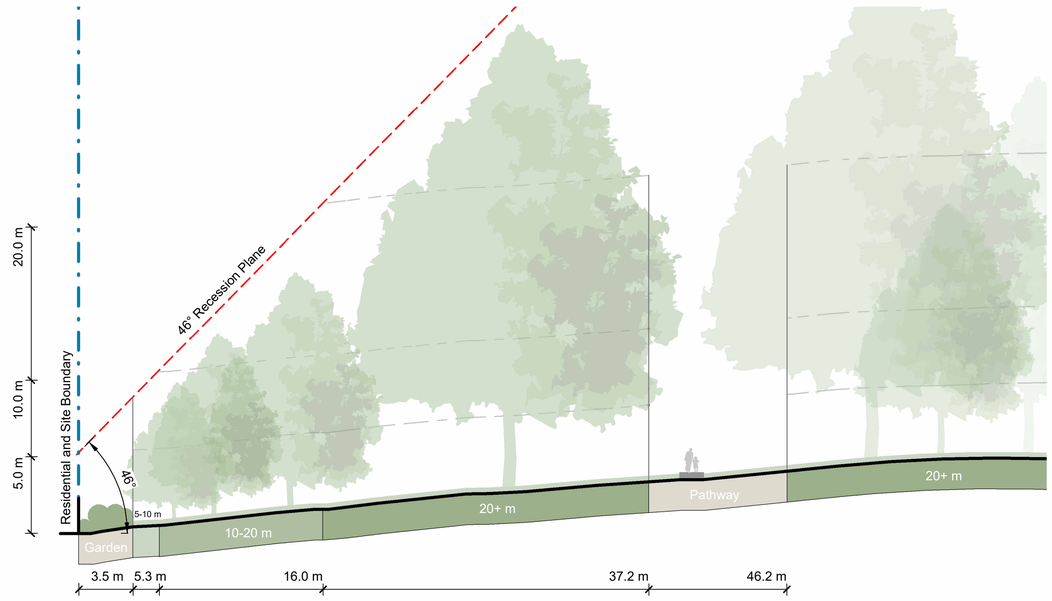
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REVISION A

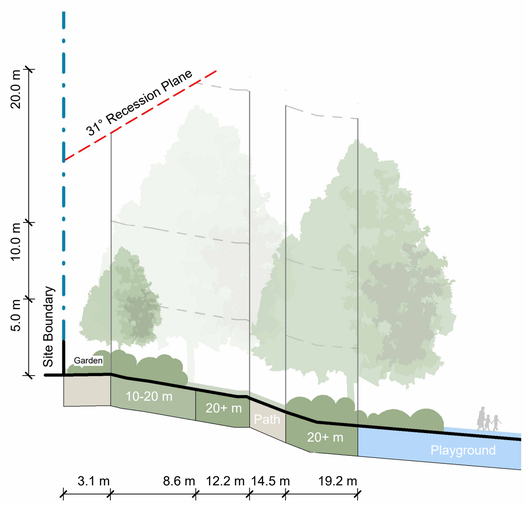
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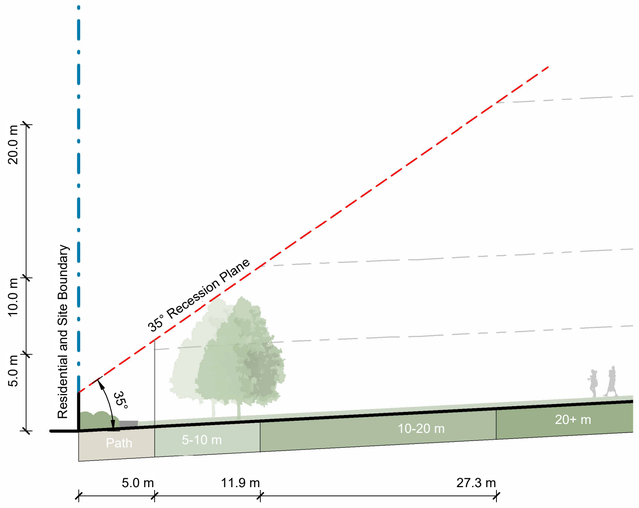




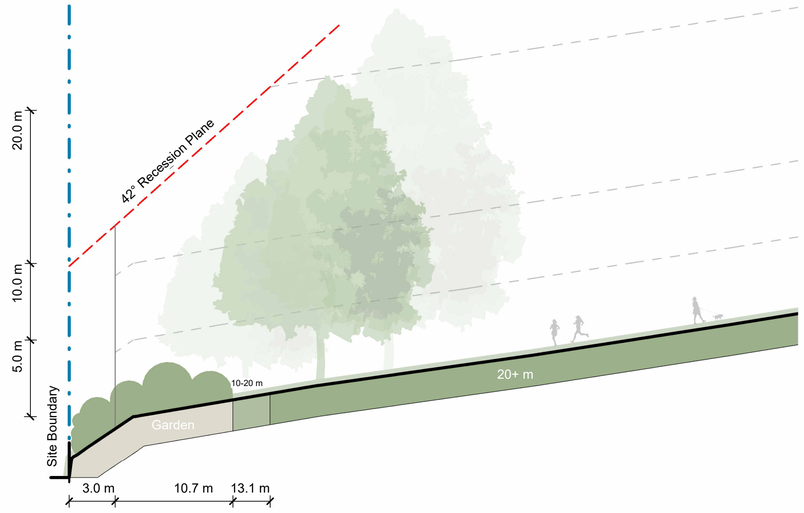
1/300 North Boundary Section
Scale: 1 : 200



2/300 East Boundary Section
Scale: 1 : 200



3/300 South West Boundary Section
Scale: 1 : 200



4/300 West Boundary Section
Scale: 1 : 200

ORIGINAL IN COLOUR

Boffa Miskell

Printed 9/09/2026 5:15:12 pm

Note:

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

REV	DATE	DESCRIPTION	APr
A	09.09.2026	Concept Design Draft	HCo

Urban Forest Tree Planting
Old School Reserve

Cross Section Studies of Potential Tree Heights

Design	JKe	Scale	Date
Drawn	JKe	As Shown	09.09.2026
Check	HCo		

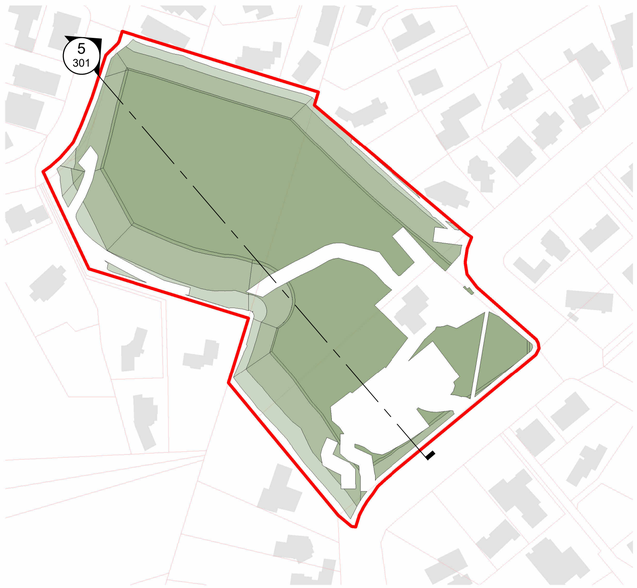
Concept Design

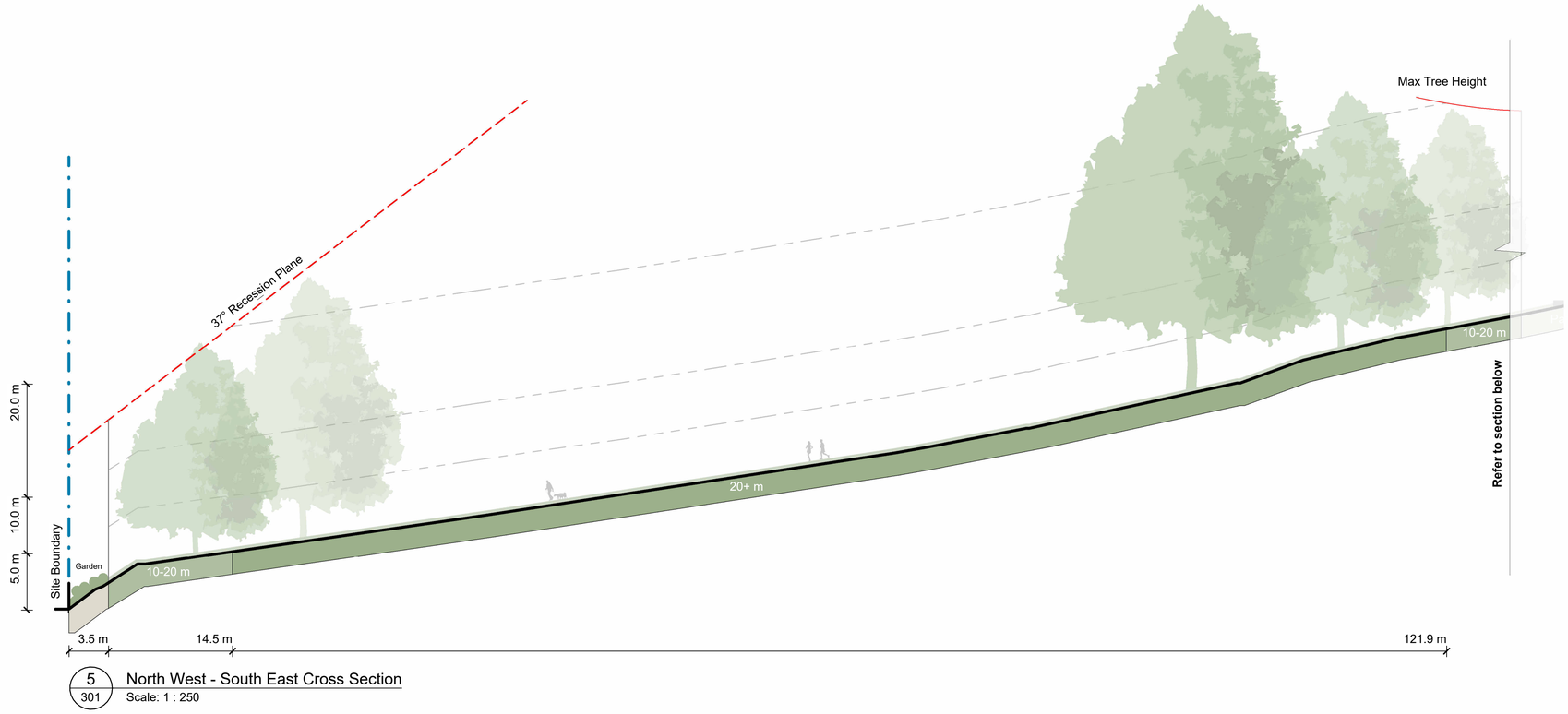
DRAWING NO. BM240711_300

REVISION A

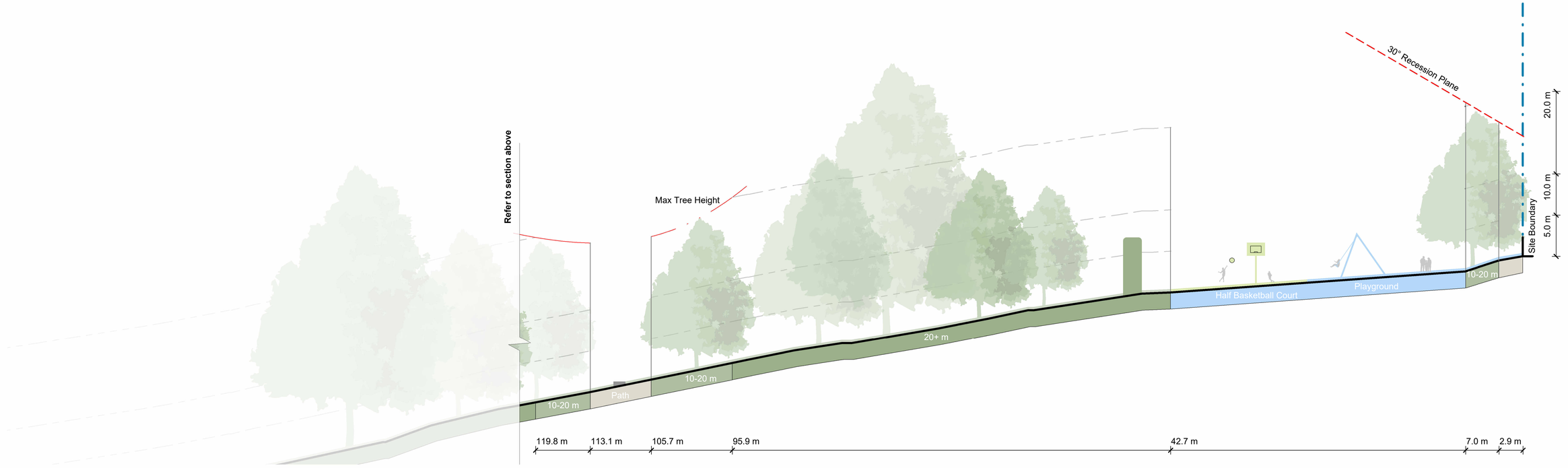
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5
301 North West - South East Cross Section
Scale: 1 : 250



ORIGINAL IN COLOUR

Boffa Miskell

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Note:

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

REV	DATE	DESCRIPTION	APr
A	09.09.2026	Concept Design Draft	HCo

Urban Forest Tree Planting Old School Reserve

Cross Section Studies of Potential Tree Heights

Design	JKe	Scale	Date
Drawn	JKe	As Shown	09.09.2026
Check	HCo		

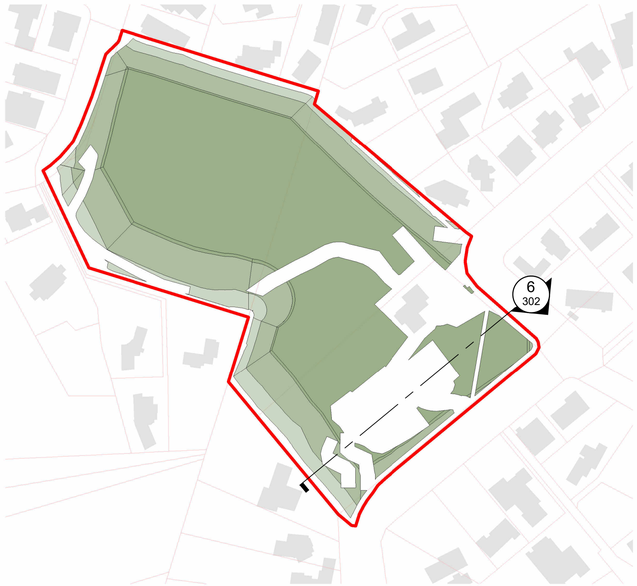
Concept Design

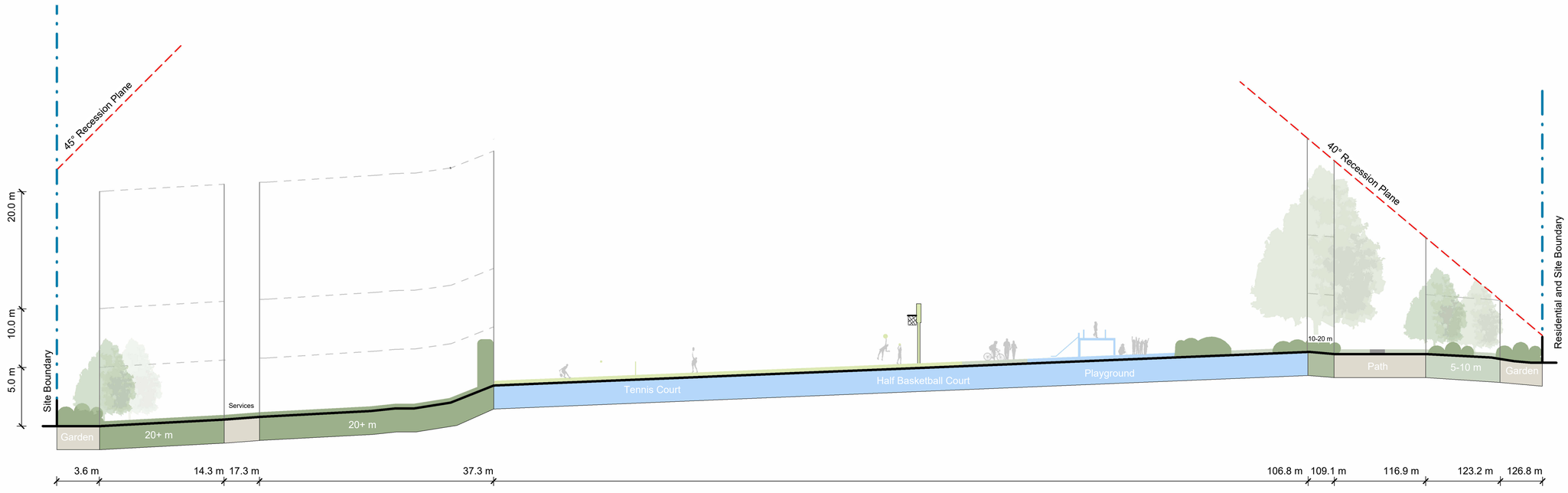
DRAWING NO. BM240711_301

REVISION A

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6
302
East - West Cross Section
Scale: 1 : 200

ORIGINAL IN COLOUR

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Note:

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

REV	DATE	DESCRIPTION	APr
A	09.09.2026	Concept Design Draft	HCo

Urban Forest Tree Planting Old School Reserve

Cross Section Studies of Potential Tree Heights

Design	JKe	Scale	Date
Drawn	JKe	As Shown	09.09.2026
Check	HCo		

Concept Design

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REVISION A

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ORIGINAL IN COLOUR

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Existing Canopy Cover	-	13318.64 m²	46.9%	Canopy coverage to existing site
Proposed Canopy Coverage	-	6000.44 m²	21.1%	Proposed canopy coverage
Total Canopy Coverage	**-**	**19,319.08m²**	**68.0%**	**Total canopy coverage**

PLANTING SCHEDULE

Qty	Type	Tree Height
4	Large Tree	Tree Height 15-20m
6	Medium Tree	Tree Height 10-15m
76	Small Tree	Tree Height 5-10m
505	Existing Trees	

0 m 5 m 10 m 20 m

REV	DATE	DESCRIPTION	APr
A	09.09.2026	Concept Design Draft	HCo

Urban Forest Tree Planting
Old School Reserve

Planting Plan

Design	JKe	Scale	Date
Drawn	JKe	1:500 @ A1	09.09.2026
Check	HCo	1:1000 @ A3	

Concept Design

DRAWING NO. BM240711_500

REVISION A

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ORIGINAL IN COLOUR

Boffa Miskell

Printed 9/09/2026 5:15:34 pm

Existing Canopy Cover	-	13318.64 m²	46.9%	Canopy coverage to existing site
Proposed Canopy Coverage	-	6000.44 m²	21.1%	Proposed canopy coverage
Total Canopy Coverage	**-**	**19,319.08m²**	**68.0%**	**Total canopy coverage**

PLANTING SCHEDULE

Qty	Type	Tree Height
4	Large Tree	Tree Height 15-20m
6	Medium Tree	Tree Height 10-15m
76	Small Tree	Tree Height 5-10m
505	Existing Trees	

0 m 5 m 10 m 20 m

REV	DATE	DESCRIPTION	APr
A	09.09.2026	Concept Design Draft	HCo

Urban Forest Tree Planting Old School Reserve

Planting Plan

Design	JKe	Scale	Date
Drawn	JKe	1:500 @ A1	09.09.2026
Check	HCo	1:1000 @ A3	

Concept Design

DRAWING NO. BM240711_510

REVISION A

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