



Urban Forest Tree Planting Dunbars Reserve

PROJECT NUMBER: **BM240711**

Concept Design

PROJECT ADDRESS: Dunbars Road,
Halswell, Christchurch
8025

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	12.12.2025	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



ORIGINAL IN COLOUR

Boffa Miskell

Printed 11/12/2025 1:57:35 pm

LEGEND

Existing Canopy Cover

Existing Lower Vegetation

Existing Attenuation Zone

Lightpole Clearance

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

Existing Specimen Trees - 96

Existing Canopy Cover - 4489.54 m²

49.6%

Canopy coverage to existing site

REV

DATE

A

12.12.2025

DESCRIPTION

Concept Design Draft

APR

HCO

Urban Forest Tree Planting

Dunbars Reserve

Existing Site

Design

SYo

Scale

Date

Drawn

SYo

1:500 @ A1

12.12.2025

Check

HCO

1:1000 @ A3

Concept Design

DRAWING NO.

BM240711_200

REVISION

A

C:\Users\sumnery\Revit\Docs\BM240711_DunbarsReserve_Summer_YoungDFUCP.rvt



ORIGINAL IN COLOUR

Boffa Miskell

Printed 11/12/2025 1:57:41 pm

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

Concept Design Draft

APR HCO

Urban Forest Tree Planting

Dunbars Reserve

Tree Height Capacities

Design SYo

Drawn SYo

Check HCO

Scale 1:500 @ A1

1:1000 @ A3

Date 12.12.2025

CONCEPT DESIGN

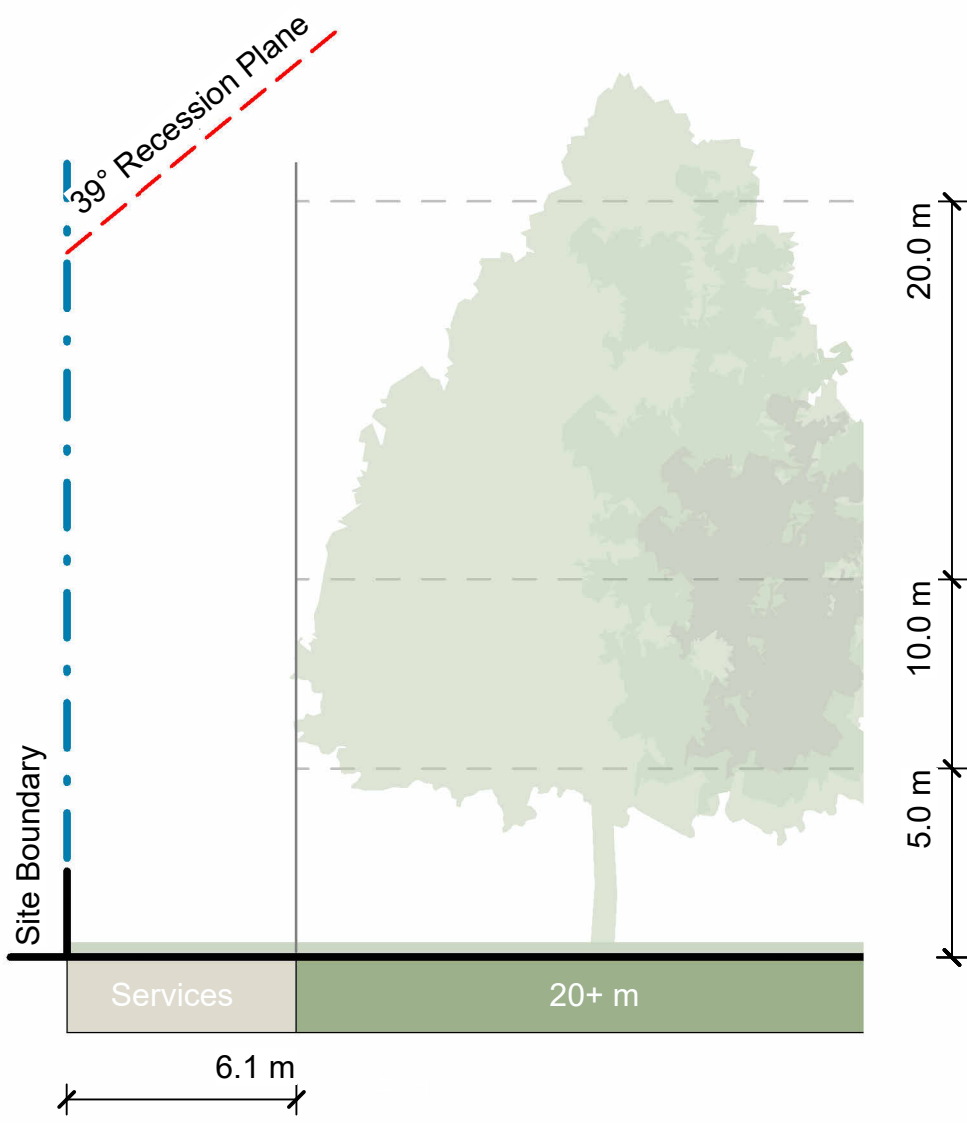
DRAWING NO.

BM240711_210

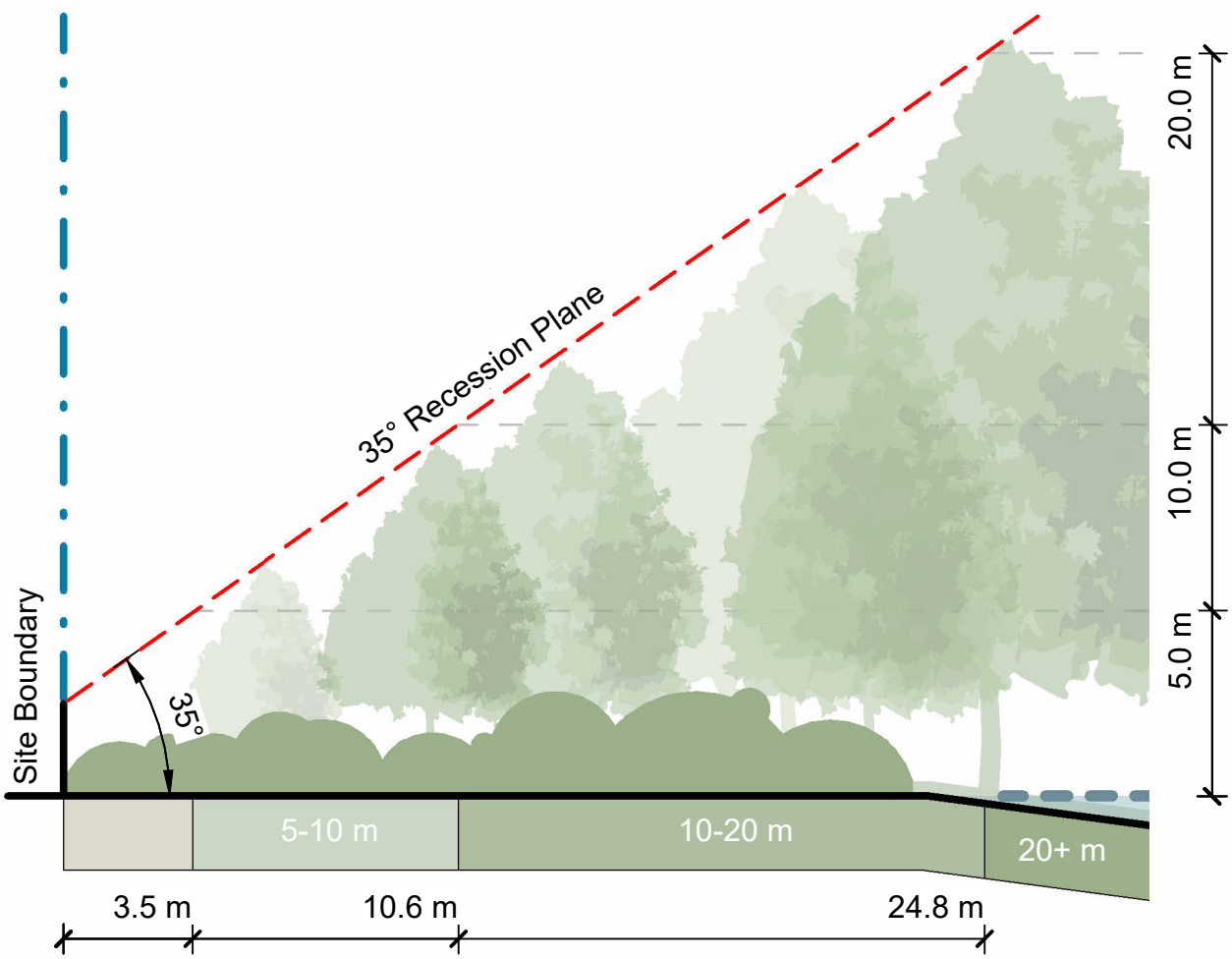
REVISION

A

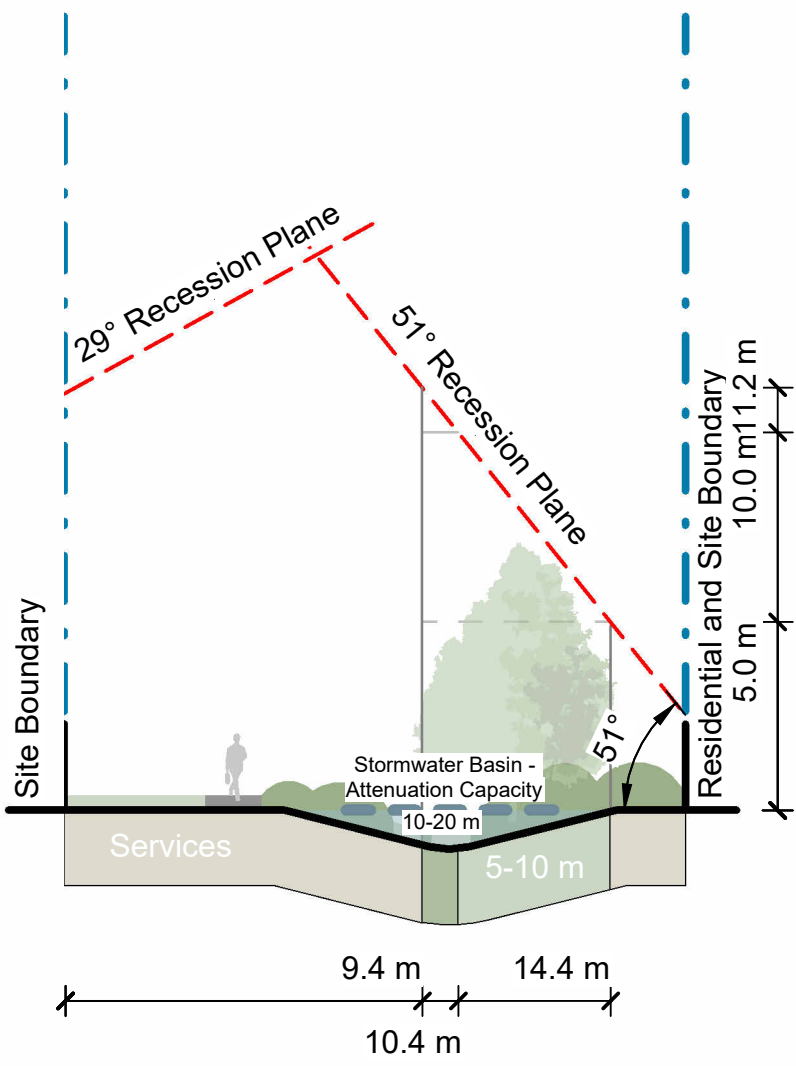
C:\Users\summary\Revit\Docs\BM240711_DunbarsReserve_Summer.YoungDFUCP.rvt



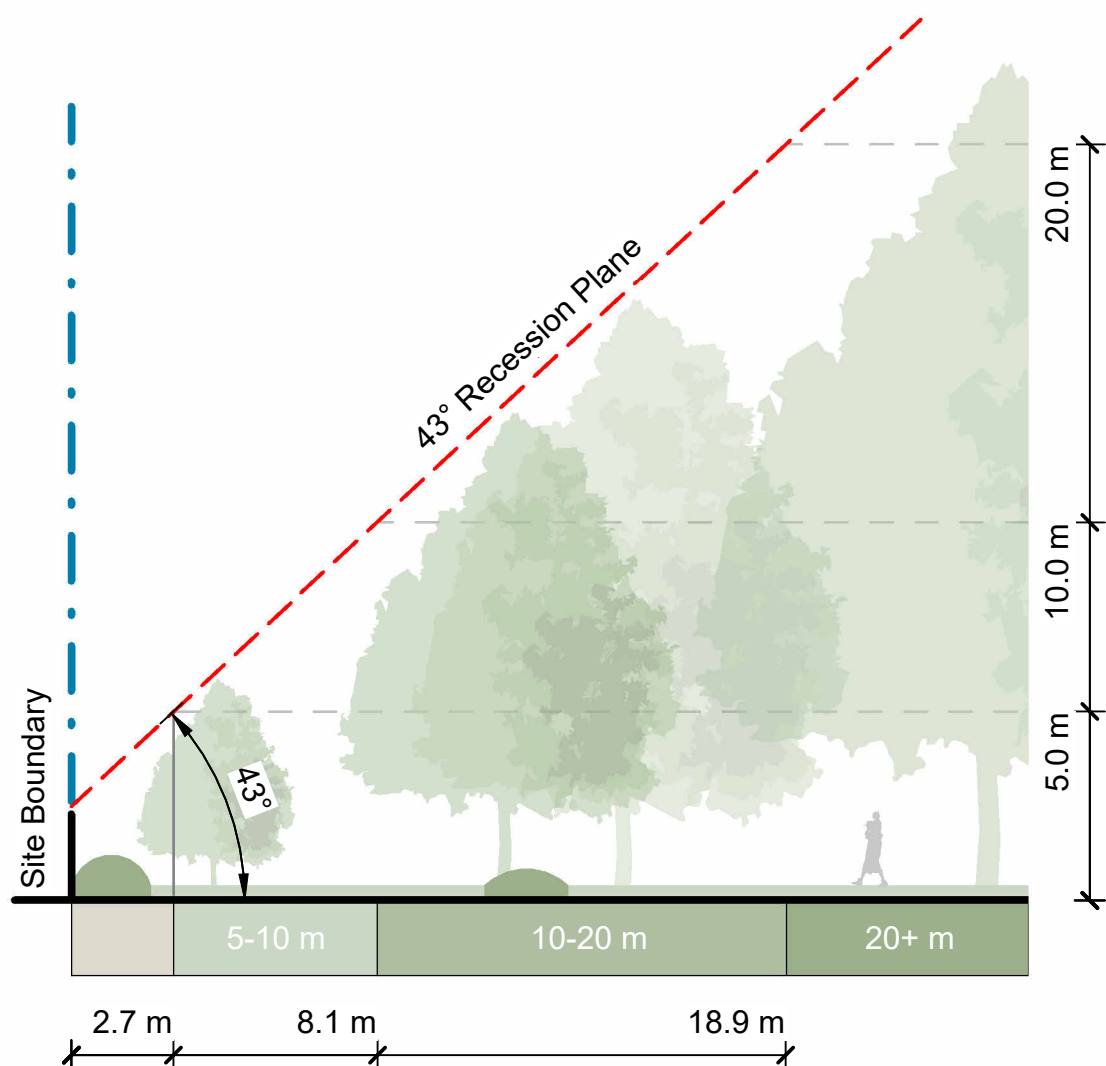
1 North Boundary Section
300 Scale: 1 : 200



2 East Boundary Section
300 Scale: 1 : 200



3 South-North Boundary Section
300 Scale: 1 : 200

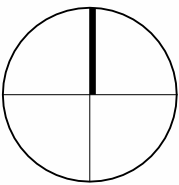


4 West Boundary Section
300 Scale: 1 : 200

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

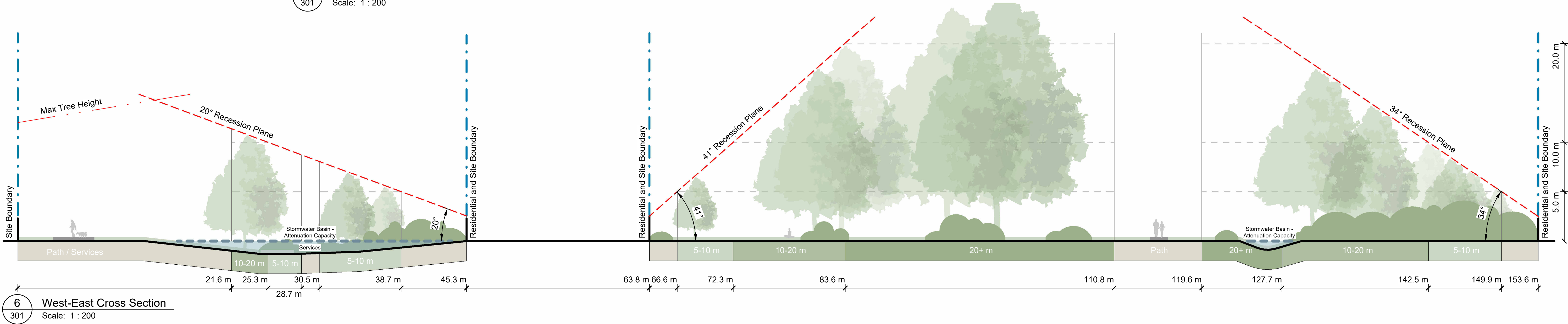
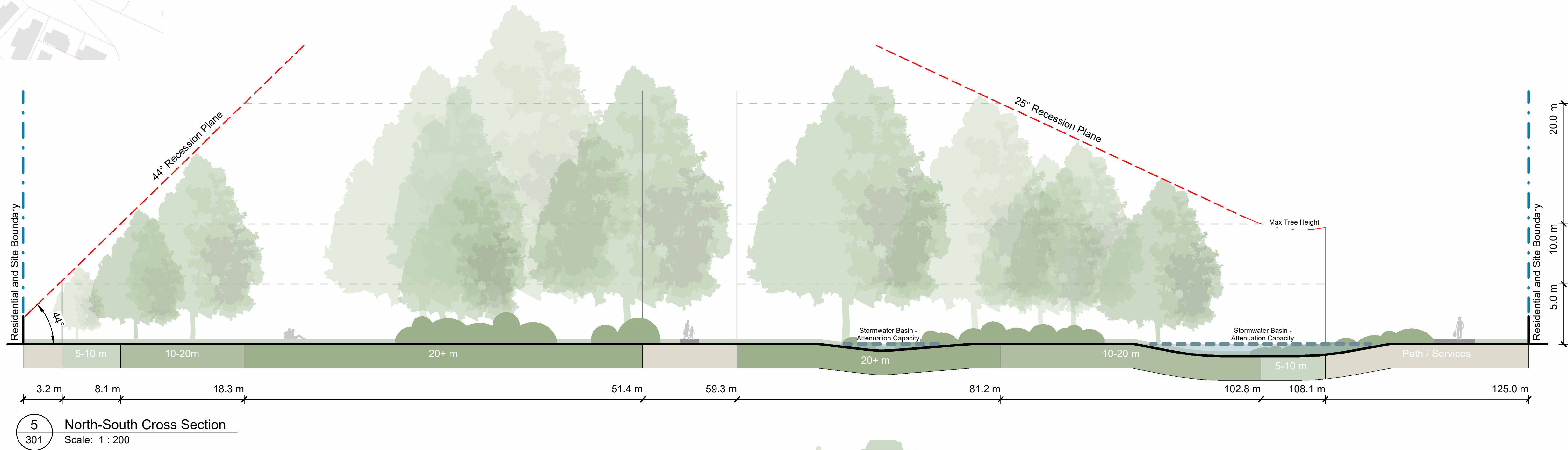
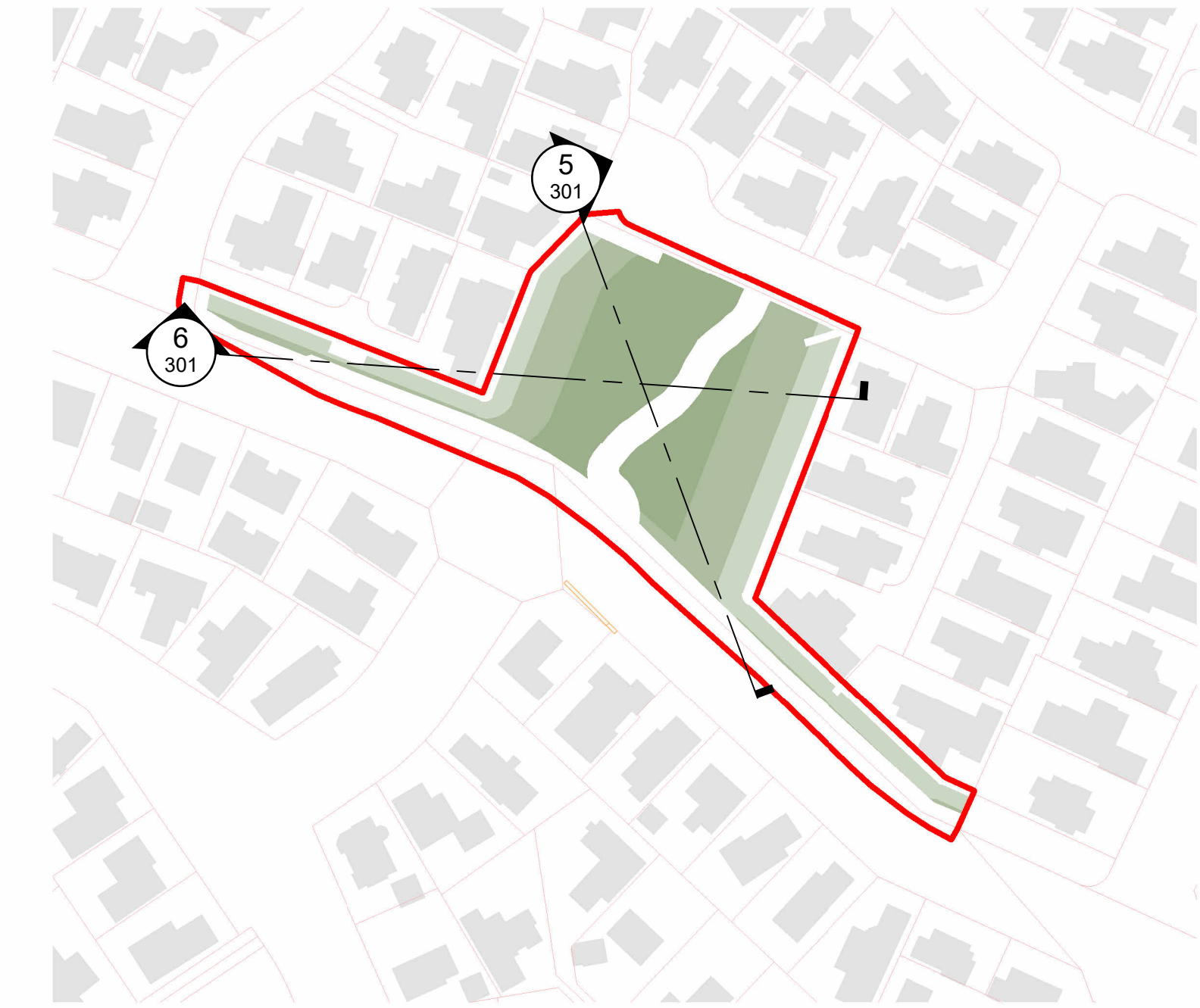
APR
HCo
Urban Forest Tree Planting
Dunbars Reserve

Cross Section Studies of Potential Tree
Heights

Design	SYo	Scale	Date
Drawn	SYo	As Shown	12.12.2025
Check	HCo		

Concept Design

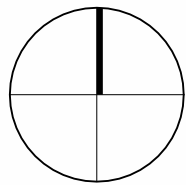
DRAWING NO.	REVISION
BM240711_300	A



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

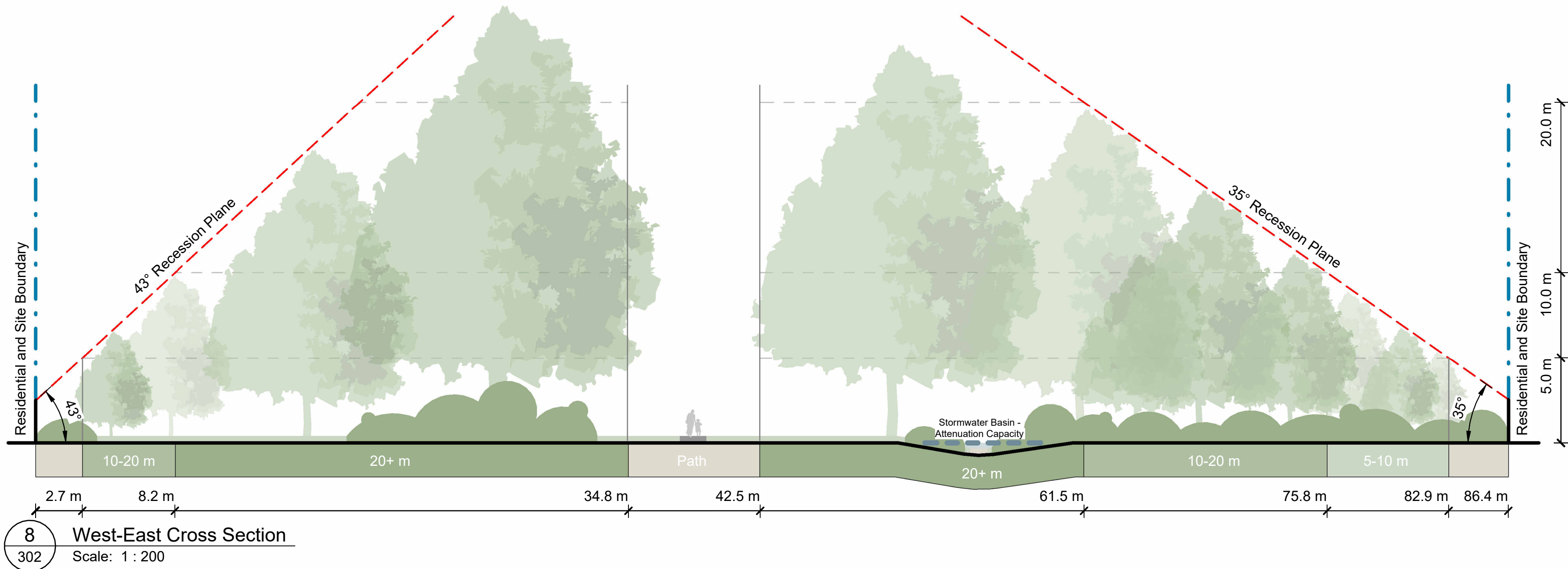
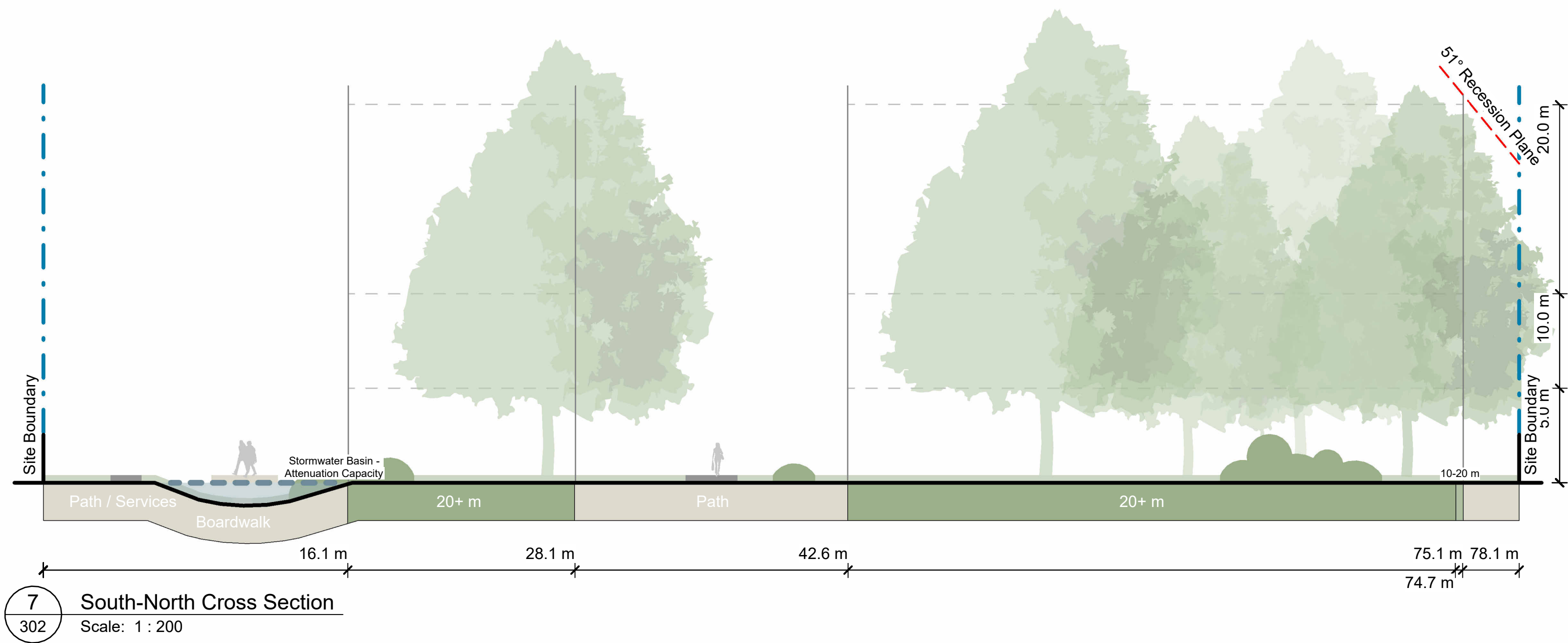
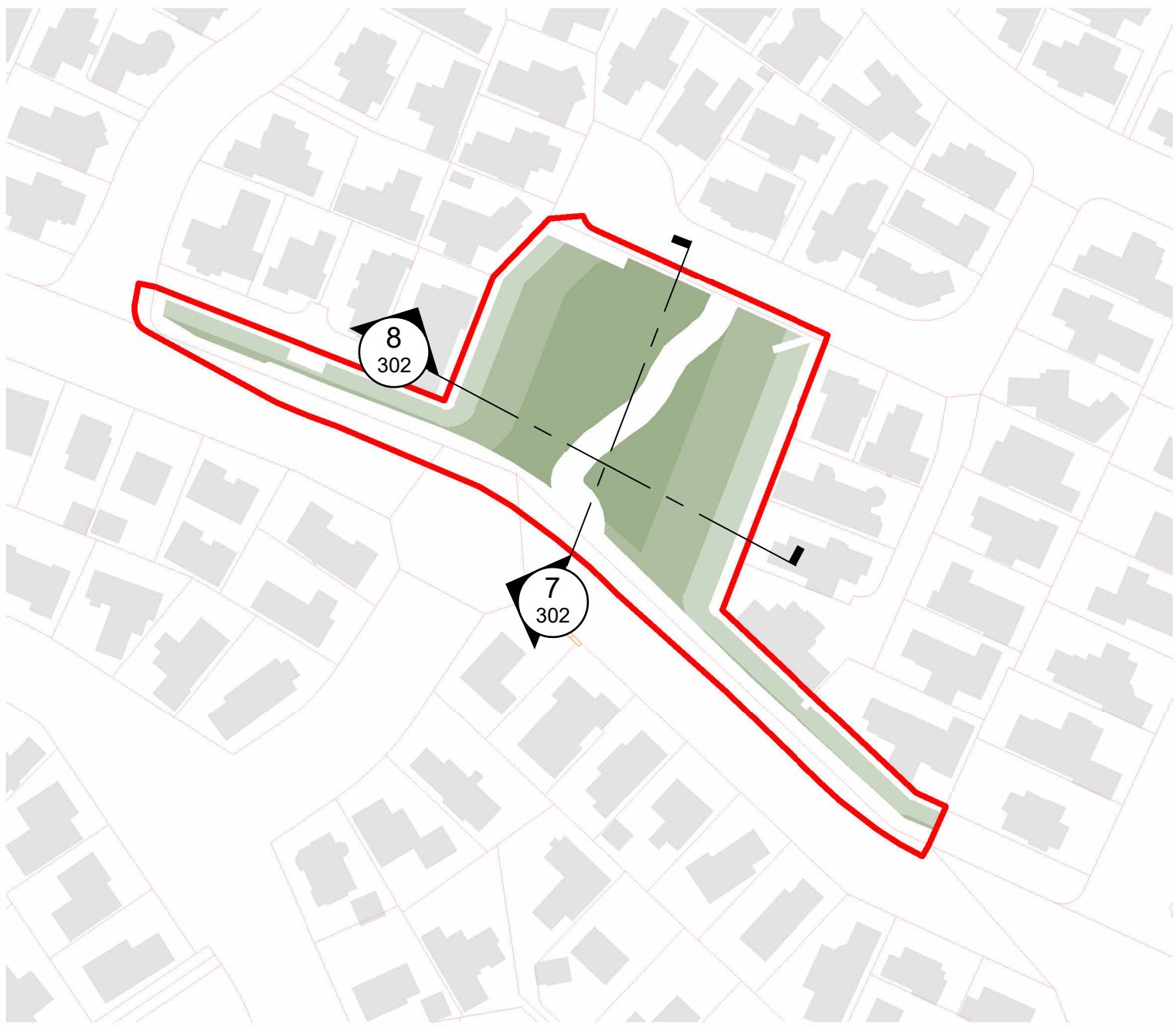
Urban Forest Tree Planting Dunbars Reserve

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_301	A

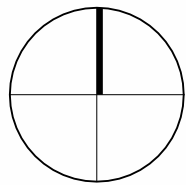


ORIGINAL IN COLOUR



Printed 11/12/2025 4:02:34 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
A	12.12.2025	Concept Design Draft

APr
HCo

Urban Forest Tree Planting Dunbars Reserve

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

C:\Users\summyr\RevitDocs\BM240711_DunbarsReserve_Summer.YoungDFUCP.rvt



ORIGINAL IN COLOUR

Boffa Miskell

Existing Canopy Cover - 4489.54 m² 49.6% Canopy coverage to existing site

Proposed Canopy Coverage - 1972.92 m² 21.8% Proposed canopy coverage

Total Canopy Coverage - 6512.73m² 71.9% Total canopy coverage

PLANTING SCHEDULE

Qty	Type	Tree Height
4	Medium Tree	Tree Height 10-15m
27	Small Tree	Tree Height 5-10m
96	Existing Trees	

0 m

5 m

10 m

20 m

REV DATE

A 12.12.2025

DESCRIPTION

Concept Design Draft

APR

HCo

Urban Forest Tree Planting

Dunbars Reserve

Planting Plan

Design SYo

Drawn SYo

Check HCo

Scale 1:500 @ A1

1:1000 @ A3

Date 12.12.2025

REVISION

Concept Design

DRAWING NO.

BM240711_500

REVISION

A

C:\Users\summyr\RevitDocs\BM240711_DunbarsReserve_Summer.YoungDFUCP.rvt

Printed 11/12/2025 1:58:07 pm



ORIGINAL IN COLOUR

Boffa Miskell

Existing Canopy Cover	-	4489.54 m ²	49.6%	Canopy coverage to existing site
Proposed Canopy Coverage	-	1972.92 m ²	21.8%	Proposed canopy coverage
Total Canopy Coverage	-	6512.73m²	71.9%	Total canopy coverage

Qty	Type	Tree Height
4	Medium Tree	Tree Height 10-15m
27	Small Tree	Tree Height 5-10m
96	Existing Trees	

0 m 5 m 10 m 20 m

REV	DATE	DESCRIPTION
A	12.12.2025	Concept Design Draft

APR

HCO

Urban Forest Tree Planting

Dunbars Reserve

Planting Plan

Design	SYo	Scale	Date
Drawn	SYo	1:500 @ A1	12.12.2025
Check	HCo	1:1000 @ A3	

Concept Design

DRAWING NO.

BM240711_510

REVISION

A

C:\Users\summyr\Revit\Docs\BM240711_DunbarsReserve_Summer.YoungDFUCP.rvt