



Urban Forest Tree Planting Euphrasie Reserve

PROJECT NUMBER: **BM240711** Concept Design

PROJECT ADDRESS: 35 Euphrasie Drive,
Aidanfield,
Christchurch 8025

CLIENT: Christchurch City Council

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

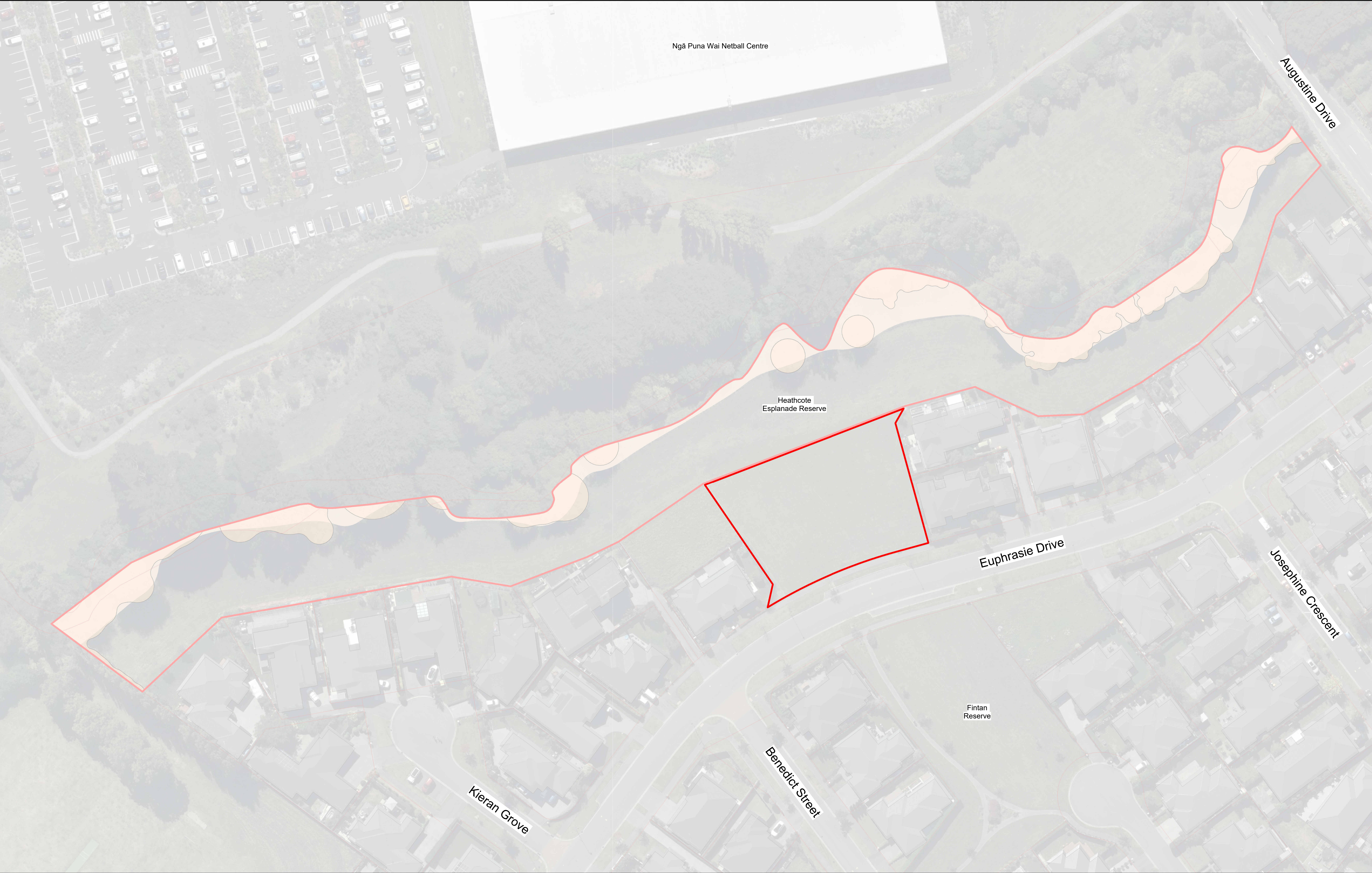


Boffa Miskell Limited
Level 1
141 Cambridge Terrace
Christchurch 8013
New Zealand
Tel: +64 3 366 8891
www.boffamiskell.co.nz

REV	DATE	DESCRIPTION
A	12.12.2025	Concept Design Draft

SHEET INDEX

- 100 Preliminary & General**
 - 101 Cover Sheet
- 200 Plans**
 - 201 Existing Site - Euphrasie Reserve
 - 211 Tree Height Capacities - Euphrasie Reserve
- 300 Sections**
 - 303 Cross Section Studies of Potential Tree Heights - Euphrasie Reserve
 - 304 Cross Section Studies of Potential Tree Heights - Euphrasie Reserve
- 500 Planting**
 - 501 Planting Plan - Euphrasie Reserve
 - 511 Planting Plan - Euphrasie Reserve



ORIGINAL IN COLOUR



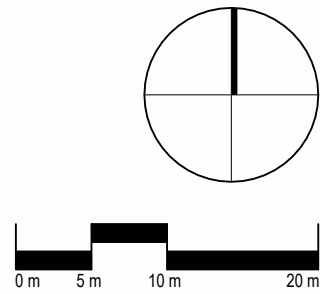
Printed 9/12/2025 3:26:11 pm

LEGEND

- Existing Canopy Cover
- Existing Lower Vegetation

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

Existing Specimen Trees - 0



REV	DATE	DESCRIPTION
A	12.12.2025	Concept Design Draft

APR
HCO

Urban Forest Tree Planting
Euphrasie Reserve

Existing Site - Euphrasie Reserve

Design	ARo	Scale	Date
Drawn	ARo	1:500 @ A1	12.12.2025
Check	HCO	1:1000 @ A3	

Concept Design

DRAWING NO.	REVISION
BM240711_201	A

C:\Users\alexandra\RevitDocs\BM240711_EuphrasieReserve_Alexandra.Rooney.rvt



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

0m5m10m20m

REV DATEDESCRIPTION

A12.12.2025Concept Design Draft

APrHCo

Urban Forest Tree Planting
Euphrasie Reserve

Tree Height Capacities - Euphrasie Reserve

Design Drawn CheckARoARoHCoScale1:500 @ A11:1000 @ A3Date12.12.2025

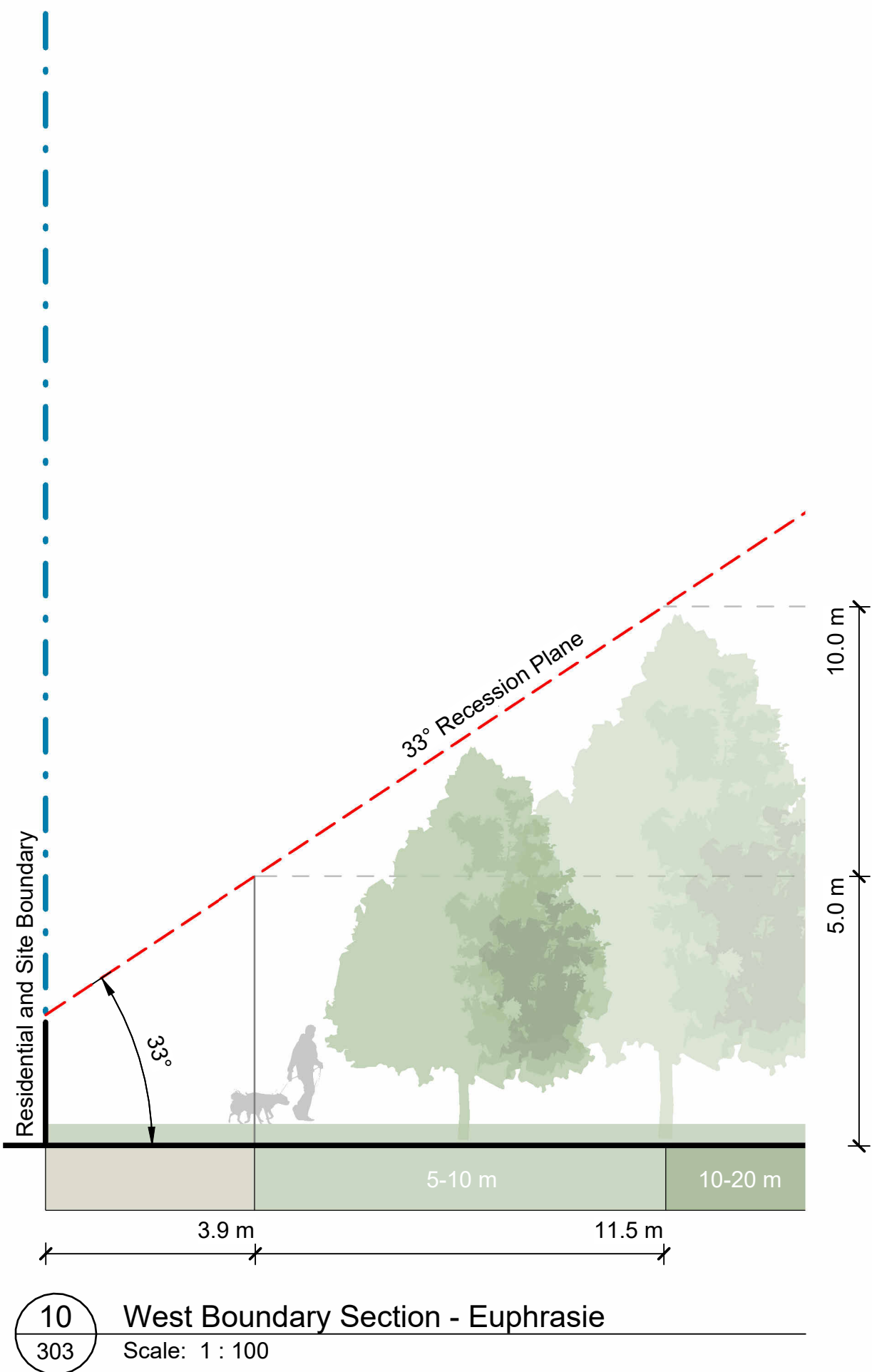
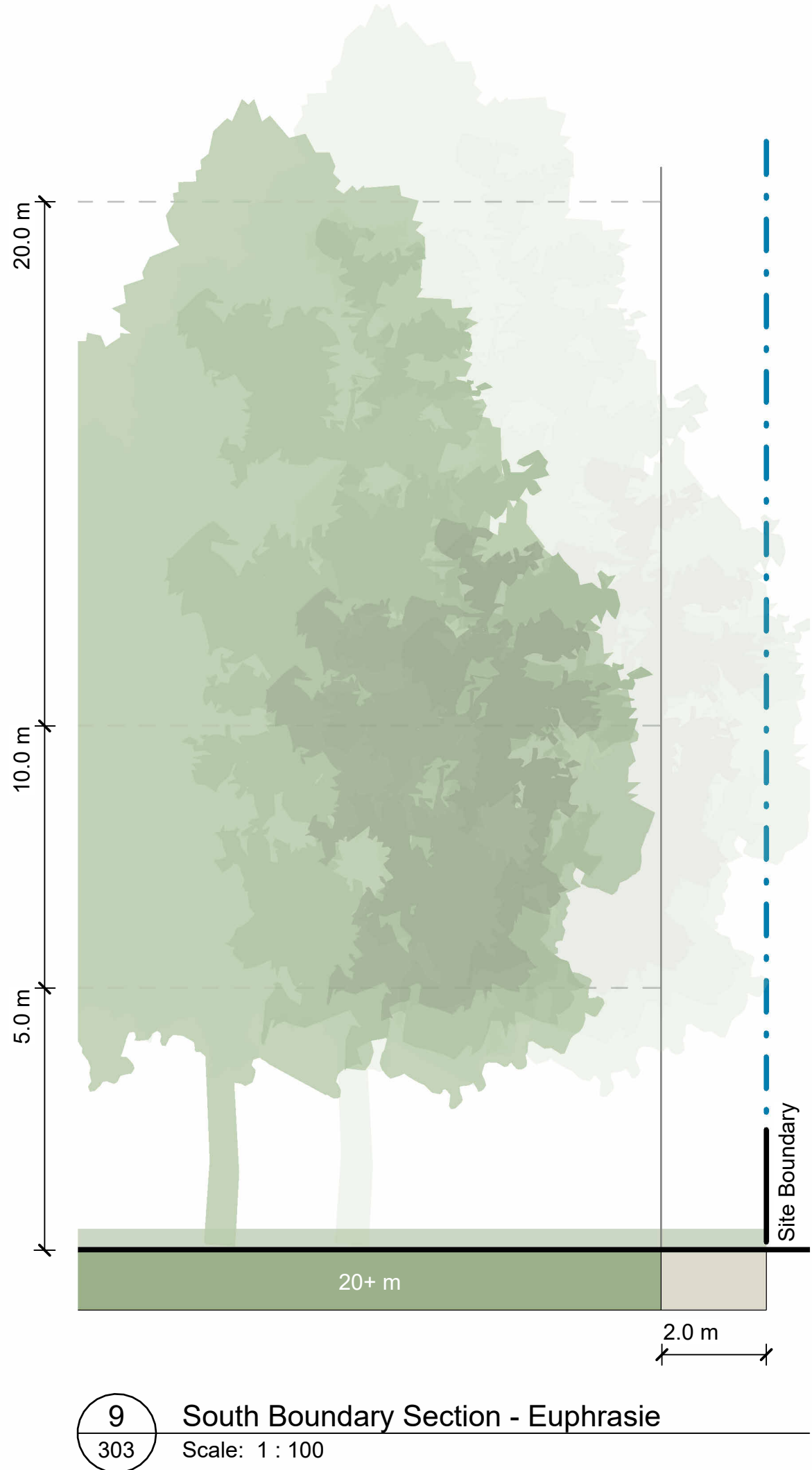
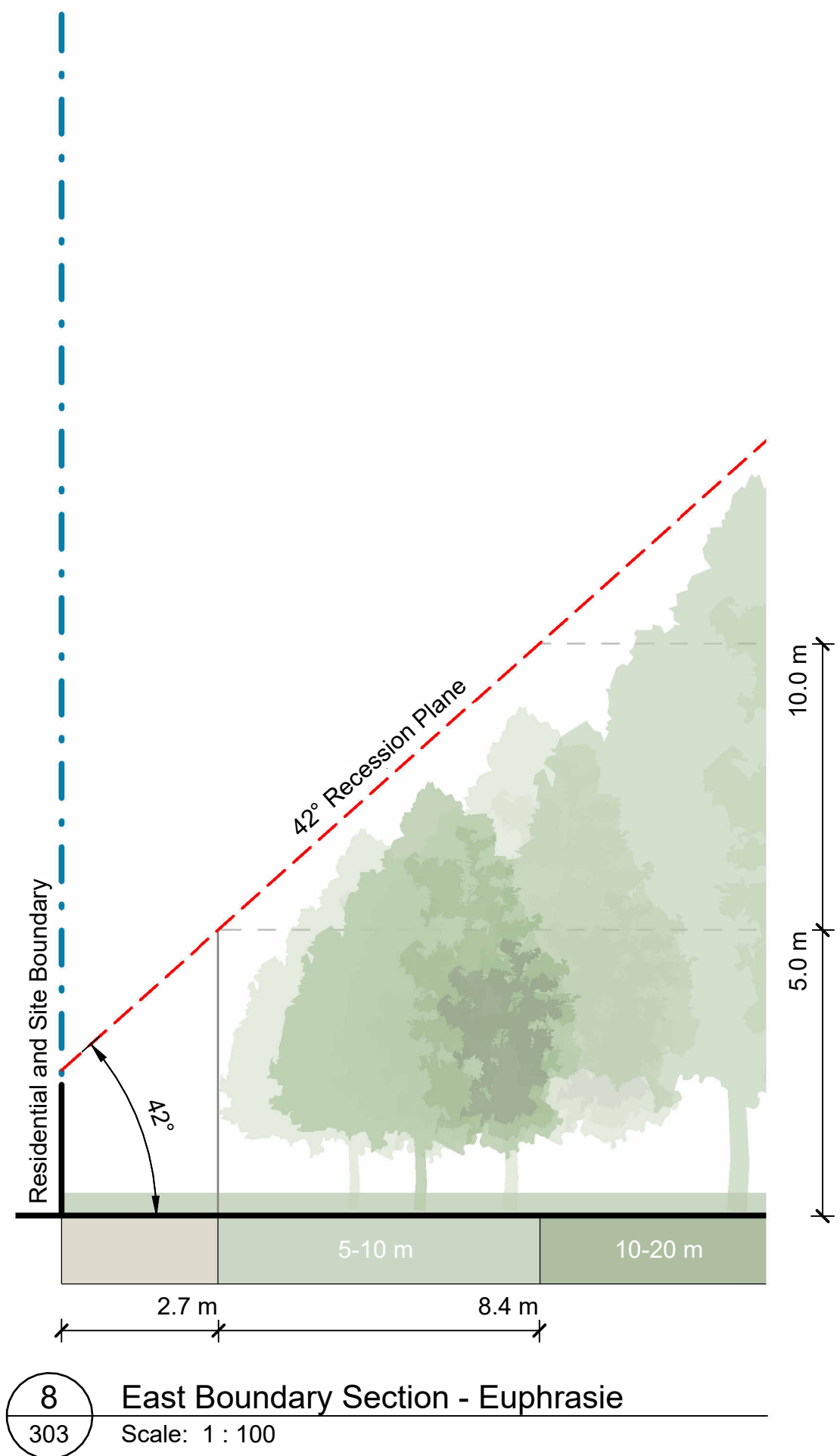
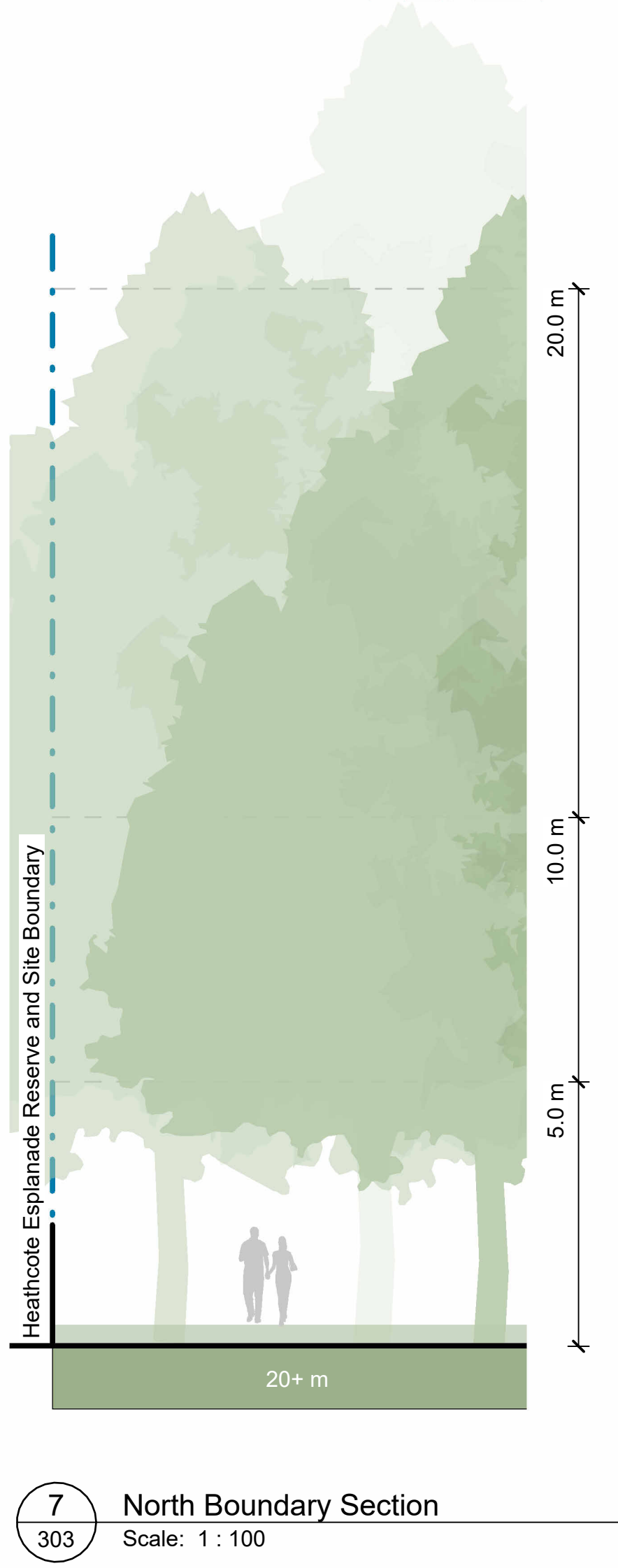
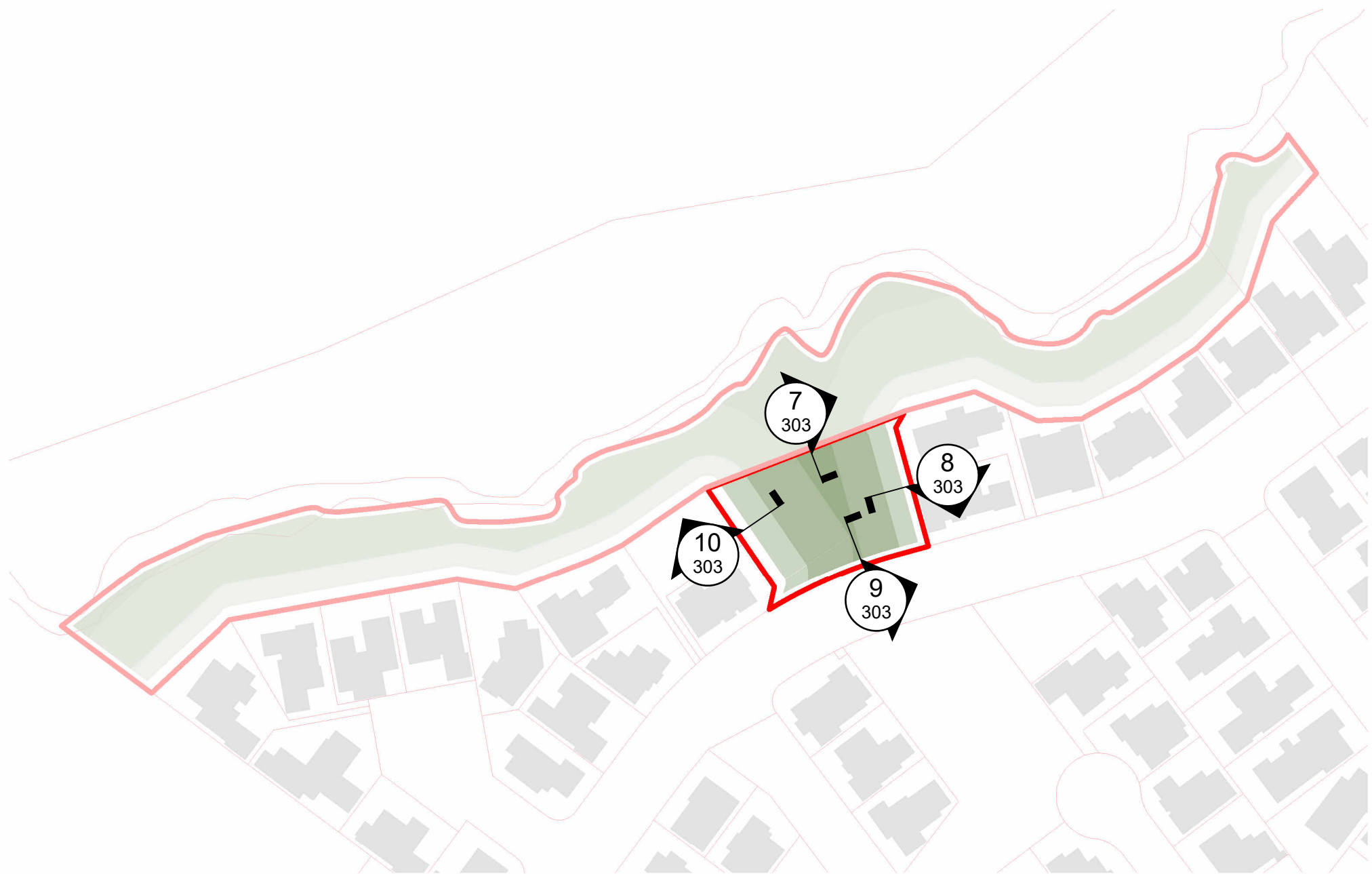
Concept Design

DRAWING NO. BM240711_211

REVISIONA

C:\Users\alexandra\RevitDocs\BM240711_EuphrasieReserve_Alexandra.Rooney.rvt

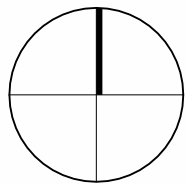
Printed 9/12/2025 3:26:16 pm



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 Euphrasie Reserve

Cross Section Studies of Potential Tree
Heights - Euphrasie Reserve

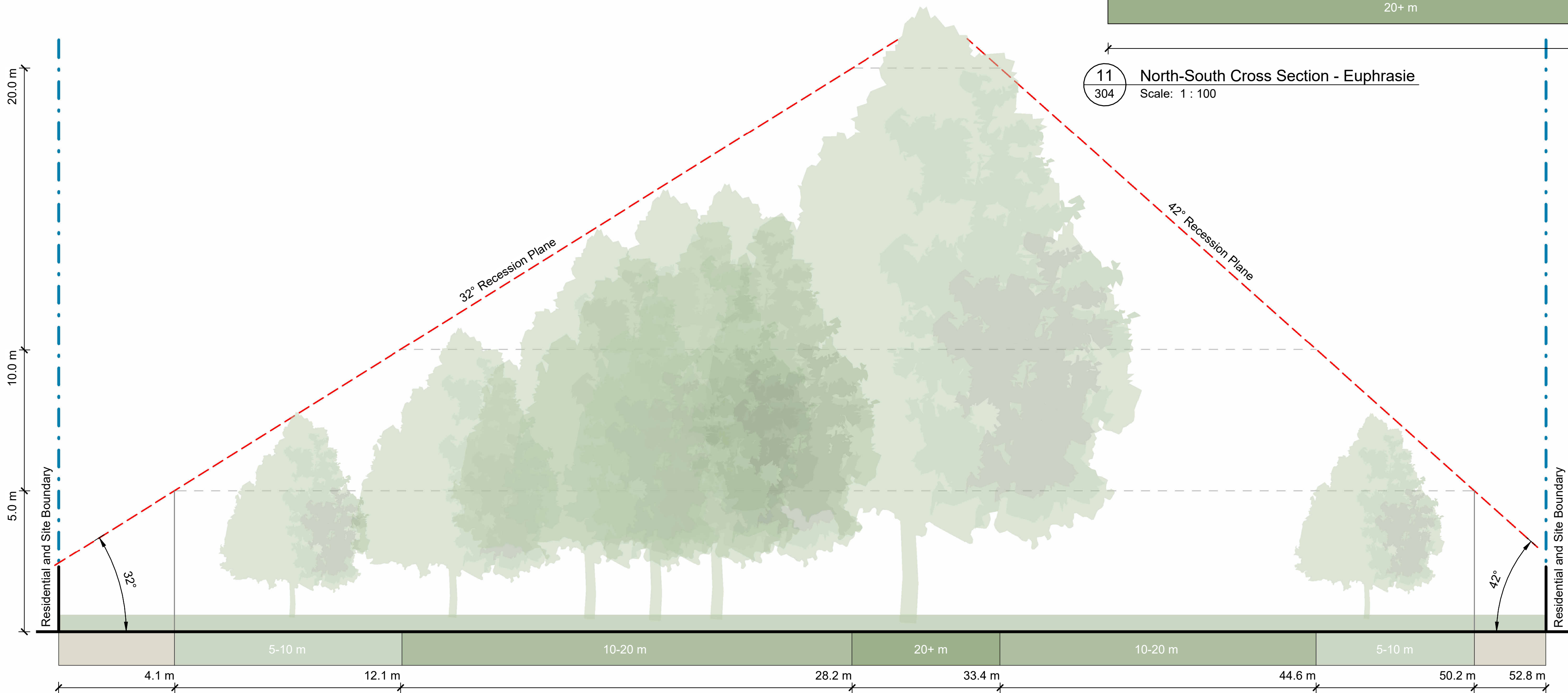
Design	ARo	Scale	Date
Drawn	ARo	As Shown	12.12.2025
Check	HCO		

Concept Design

DRAWING NO.	REVISION
BM240711_303	A



11 North-South Cross Section - Euphrasie
Scale: 1 : 100

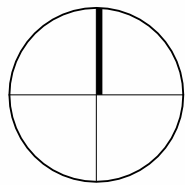


12 East-West Cross Section - Euphrasie
Scale: 1 : 100

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

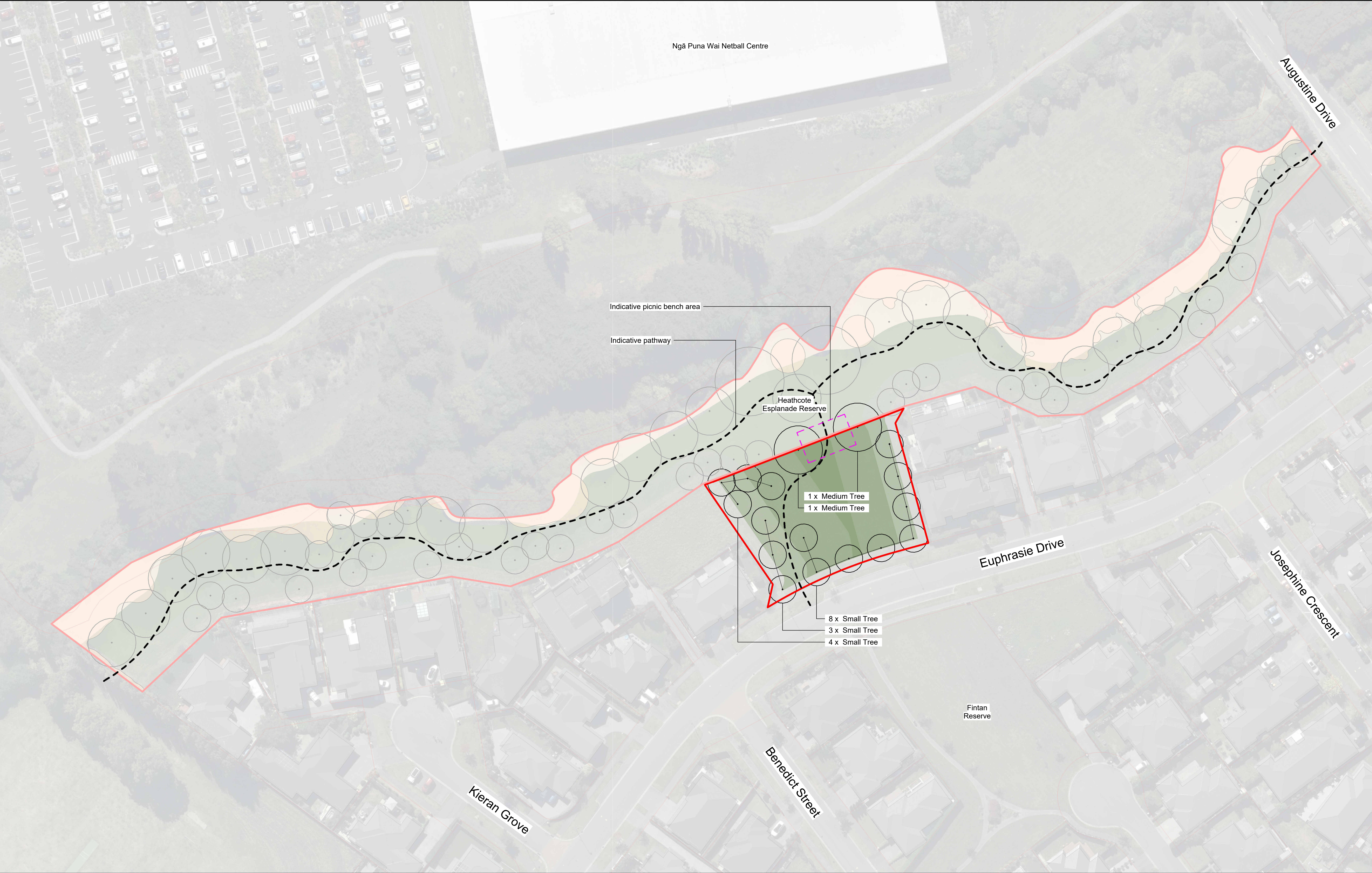
Urban Forest Tree Planting Euphrasie Reserve

Cross Section Studies of Potential Tree
Heights - Euphrasie Reserve

Design	ARo	Scale	Date
Drawn	ARo	As Shown	12.12.2025
Check	HCO		

Concept Design

DRAWING NO.	REVISION
BM240711_304	A



ORIGINAL IN COLOUR

Boffa Miskell



Printed 9/12/2025 3:26:32 pm

Proposed Canopy Coverage - 1061.86 m² 53.7% Proposed canopy coverage

Total Canopy Coverage - 1061.86 m² 53.7% Total canopy coverage

LEGEND

Existing Canopy Cover

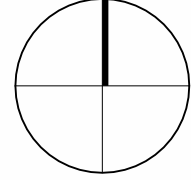
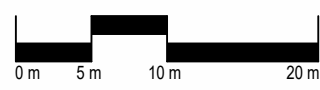
Existing Lower Vegetation

Indicative Pathway

Indicative Picnic Bench Area

PLANTING SCHEDULE

Qty	Type	Tree Height
2	Medium Tree	Tree Height 10-15m
15	Small Tree	Tree Height 5-10m

REV DATE

A 12.12.2025

DESCRIPTION

Concept Design Draft

APR

HCo

Urban Forest Tree Planting

Euphrasie Reserve

Planting Plan - Euphrasie Reserve

Design ARo

Drawn ARo

Check HCo

Scale 1:500 @ A1

1:1000 @ A3

Date 12.12.2025

Concept Design

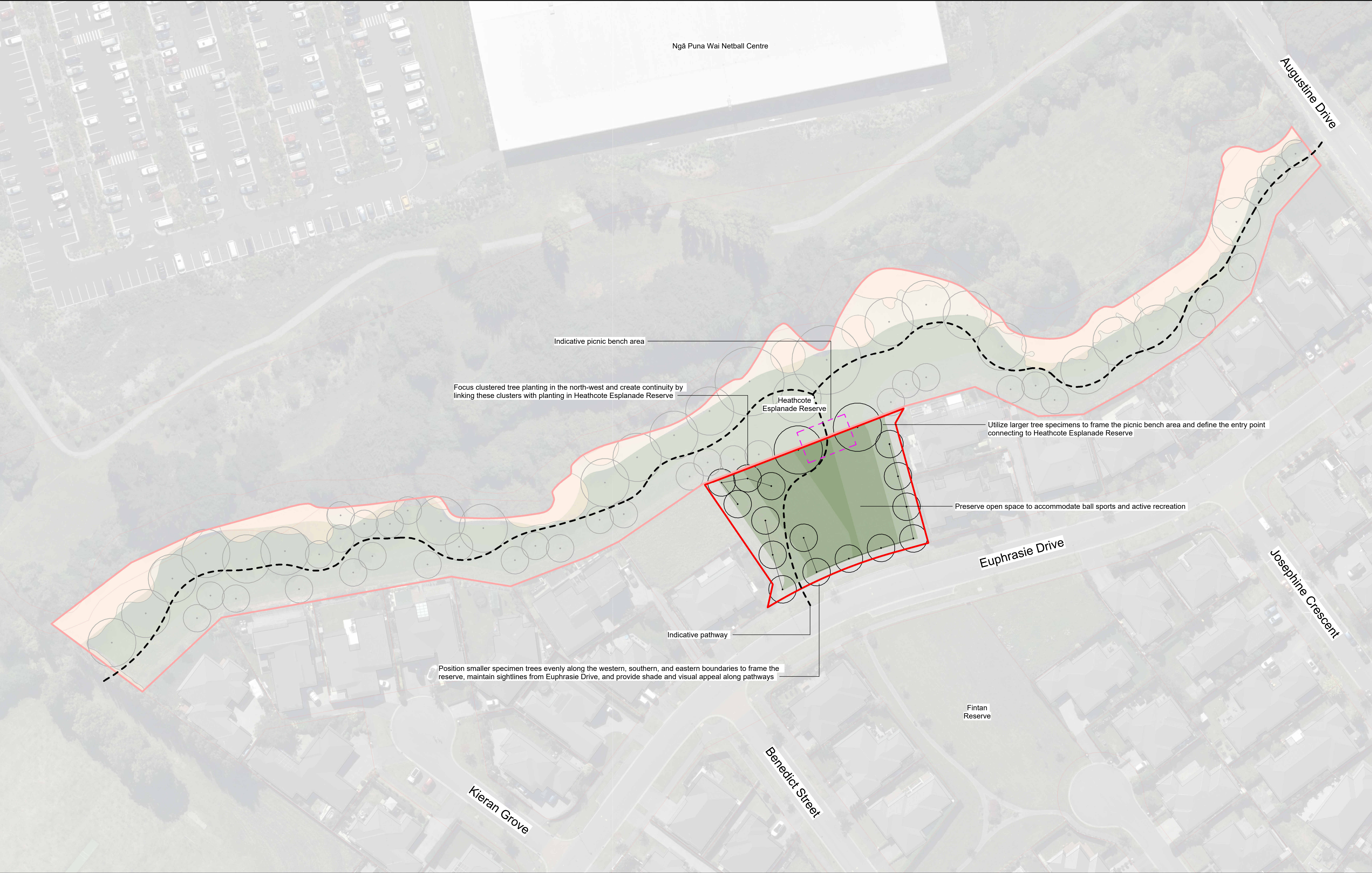
DRAWING NO.

BM240711_501

REVISION

A

C:\Users\alexandra\RevitDocs\BM240711_EuphrasieReserve_Alexandra.Rooney.rvt



ORIGINAL IN COLOUR

Boffa Miskell

Printed 9/12/2025 3:26:38 pm

Proposed Canopy Coverage - 1061.86 m² 53.7% Proposed canopy coverage

Total Canopy Coverage - 1061.86 m² 53.7% Total canopy coverage

LEGEND

Existing Canopy Cover

Existing Lower Vegetation

Indicative Pathway

Indicative Picnic Bench Area

PLANTING SCHEDULE

Qty	Type	Tree Height
2	Medium Tree	Tree Height 10-15m
15	Small Tree	Tree Height 5-10m

0 m5 m10 m20 m

REV DATEDESCRIPTION

A 12.12.2025Concept Design Draft

APrHCo

Urban Forest Tree Planting Euphrasie Reserve

Planting Plan - Euphrasie Reserve

Design ARoScaleDate

Drawn ARo1:500 @ A112.12.2025

Check HCo1:1000 @ A3

REVISION

Concept Design

DRAWING NO. BM240711_511

REVISION A

C:\Users\alexandra\RevitDocs\BM240711_EuphrasieReserve_Alexandra.Rooney.rvt