

The landscape within the BAL boundary including the “tree group areas” will be managed in accordance with the relevant BAL requirements:

- Grass must be short cropped and maintained during the declared fire danger period.
- All leaves and vegetation debris must be removed at regular intervals during the declared fire danger period.
- Shrubs must not be located under the canopy of trees. Individual and clumps of shrubs must not exceed 5 square metres in area and must be separated by at least 5 metres.
- Trees must not overhang or touch any elements of the building.
- The canopy of trees must be separated by at least 5 metres.
- There must be a clearance of at least 2 metres between the lowest tree branches and ground level.

Tree #580, a very high retention value eucalypt, may require pruning so its canopy does not overhang the south most accommodation unit to meet BAL 29 requirements

Legend

Tree Crowns (approx.) (shown for 35m bm buffer zone only)



To be retained

To be removed

Trees Retention

To be retained

To be removed

At risk from swale (see note)

Tree group (see below)

Tree group area

(all trees and shrubs to be removed apart from a selected single specimen within each 'Retained within groups' area marked)

Retained within groups

Buchan Blue Wattle (8m diam.)

Blackwood or Black wattle (8m diam.)

Bursaria or Tree violet (Melicytus) (2.5m diam.)

35m Buffer zone for BAL 29

10m Buffer zone for BAL 29

Proposed swale

Proposed new plantings in North Arm (30 trees)

* Approx. location, actual to be determined on site (Euc. polyanthemus or other similar species as approved by GLaWAC)

12m diam. canopy (10-20 y)

BAL Requirements within 10m zone

Plants greater than 10cm in height must not be placed within 3m of a window or glass feature of the building.

Retain selected Bursaria or Tree violet outside of group where found allowing for 5m spacing

Summary Table of Tree Removal and Replacement

Item	Tree count	Comments
Necessary Regrowth & Sapling Tree Removal for BAL 29 Compliance	227	Estimated 227 in groups (mainly regrowth) - Not For Replacement
Necessary Mature Tree and Specimen Tree Removal for BAL 29 Compliance	42	42 individual trees mapped - For Replacement
Necessary Tree Removal for Swale/Flood Mitigation Works & Building impacts	36	Trees requiring removal within North Arm area (7 due to building impacts)
Trees at Risk of Removal for Swale/Flood Mitigation Works	4	Arborist to oversee and guide works with a view to retention if possible
Arborist's advice	4	Trees recommended for removal due to health/structure considerations
Total for Removal & Replacement.	86	
New planting within the North Arm	30	See Tree Retention, Removal & Planting Plan (full length) AI Plan
New planting outside the North Arm	52	To be located elsewhere outside North Arm, due to limited open space
Spare Planting outside the North Arm	4	In case trees at risk need to be removed
Total New Plantings to replace trees removed.	86	Does not include replacing group trees (mainly regrowth)

Note regarding trees at risk from swale

Trees indicated as "At risk from swale" require arborist to be present during swale excavation works to determine if tree can be safely retained based on root impacts

IMPORTANT NOTES

- Tree plantings locations are indicative only and will be agreed upon on site by PV and GLaWAC
- Tree plantings do no allow for established camp sites and may need to be moved to allow space
- All new plantings are Eucalyptus polyanthemus (Red Box) or other similar species approved by GLaWAC
- Only trees actually removed need to be replaced and a tally should be kept during tree removal works
- Counts of trees and shrubs in larger groups (not including individually mapped trees falling within group area) are estimates only based on sample sizes (canopy area)
- Saplings trees and regrowth trees will not be replaced
- If tree removal does not need to take place, a replacement tree will not be planted

Notes

Tree Protection Zones (TPZ) and Structural Root Zones (SRZ) calculated as per AS4970-2009, Protection of Trees on Development Sites.
Tree locations plotted using DGNSS and Feature Surveys provided by the client

WARNING

Any services shown or not shown on this map are part of the base plan supplied. The exact location of services should be proven on site. This plan is not intended to identify services and should not be used as such.



DESIGNED	S. FITZ	MELWAYS	N/A
DRAFT	S. FITZ	CONSULTANT REF	02-04-2025-1
CHECKED		SURVEY REF	Supplied Feature Survey
DWG NO.	ARB-01 A	CAD FILE REF:	GIS only

Tree Retention, Removal & Planting Plan
North Arm Redevelopment Plan (BAL zones)
Buchan Caves Reserve

