Landscaping, Verge Treatment and Ongoing Maintenance Schedule Fynd Street Road Reserve.



Lot 274 (No. 8) Fynd Street, Goode Beach, WA 6330 Final v1 29/11/2022





Site Details					
Address:	Lot 274 (No. 8) Fynd Street				
Suburb:	Goode Beach	State:	W.A.	Postcode	6330
Local Government Area:	City of Albany			·	
Description of Building Works:	Development application and verge crossover agreement. This document will support the verge treatment application.				
Stage of WAPC Planning	Development Application				

Report Details			
Report / Job Number:	BAL0752-002	Report Version:	Final v1
Assessment Date:	14 February 2022	Report Date:	29 November 2022
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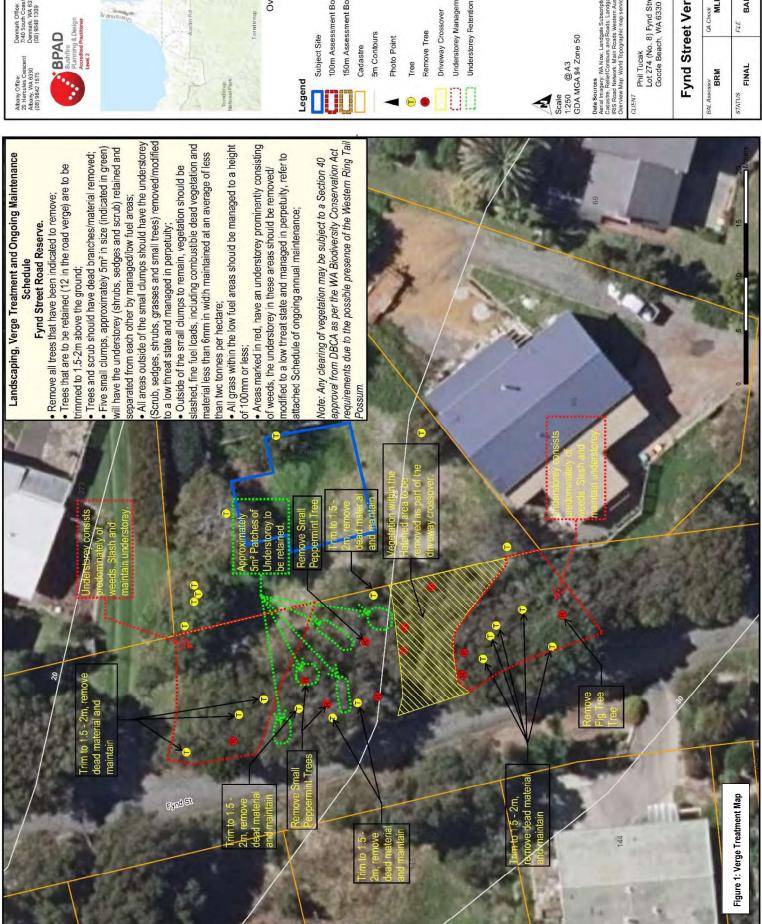
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Overview Map Scale 1:100,000

Subject Site

100m Assessment Boundary 150m Assessment Boundary

Cadastre

5m Contours

Driveway Crossover

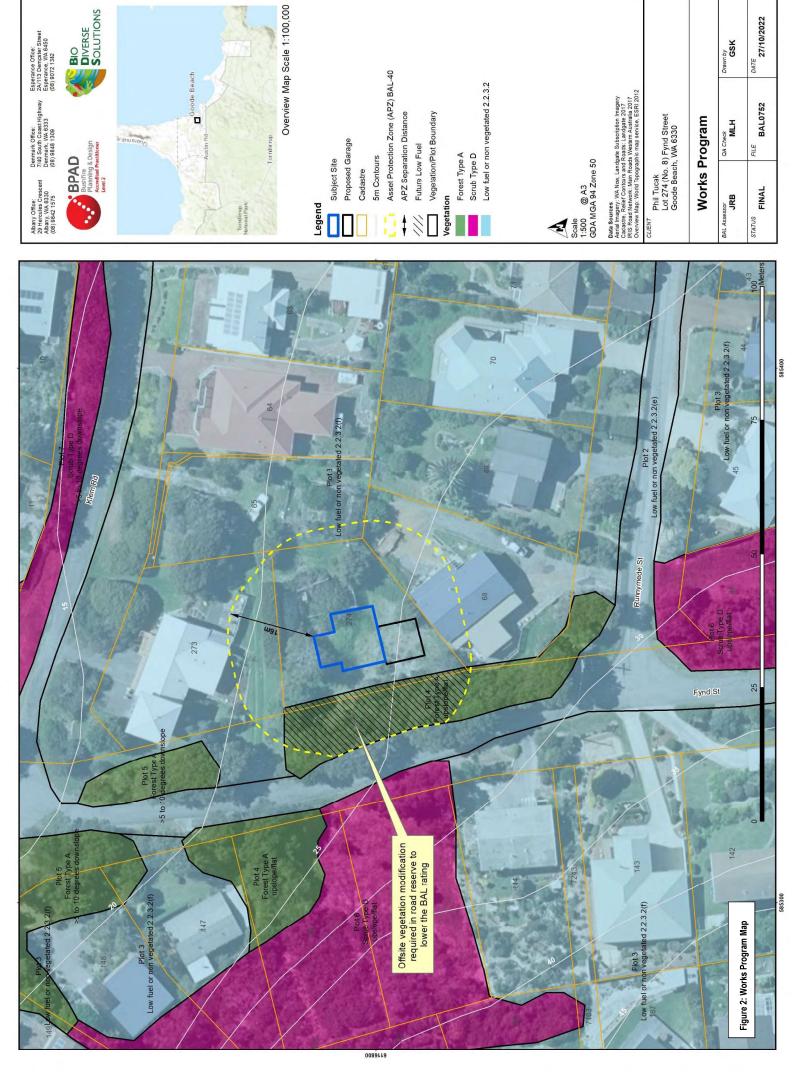
Understorey Management (Weeds Removed)

Data Source in Data Source in Data Source Administration Innegery Administration and Roads Landgate 2017 TIRS Road Newfork Main Tobade Western Australia 2017 Overview Map. World Topographic maps service. ESRI 2012 Overview Map. World Topographic maps service. ESRI 2012

Phil Tucak Lot 274 (No. 8) Fynd Street Gocde Beach, WA 6330

Fynd Street Verge Treatment

Drawn by GSK	DATE 21/11/2022
OA Check MLH	FILE BAL0752
BAL Assessor BRM	STATUS FINAL





Fuel Reduction in Verge and Asset Protection Zone (APZ) Management

Ongoing management of the verge and APZ by landowners through annual maintenance of the area is required. A verge crossover agreement will be required with the CoA to maintain the BAL allocation. Mechanical slashing and mowing will be required to be undertaken regularly to ensure the BAL rating on the house is maintained. Buildings are to be inspected regularly for build-up of wind-borne debris and leaf accumulation in gutters and at penetrations to buildings (doors, windows, etc). The lot owner is to be responsible for implementation of the maintenance schedule to maintain their BAL and general bushfire preparedness which should generally reflect the following actions, refer to Table 1.

Table 1: Maintenance schedule.

Frequency	Activity
	Remove all trees that have been indicated to remove.
	Trees that are to be retained (12 in the road verge) are to be trimmed to 1.5-2m above the ground.
	Trees and scrub should have dead branches/material removed.
	Separate the five small clumps to be retained by slashed low fuel buffers.
	Weeds and non-native trees removed.
Initial	All areas outside of the five small clumps should have the understorey (Scrub, sedges, shrubs, grasses and small trees) removed/modified to a low threat state.
	Areas marked in red on the on the Verge Treatment Map has an understorey prominently consisting of weeds, the understorey in these areas should be removed/modified to a low threat state and managed in perpetuity.
Weekly	All grass within the low fuel areas should be managed to a height of 100mm or less.
Weekly	Mowing, slashing and maintaining grasses, more frequent during spring and autumn growth periods.
	Whipper snipper/grass cutter around all buildings.
(During fire season operations and prior to	Pruning climbing vegetation (such as vines) on a trellis, to ensure it does not connect to a building, particularly near windows and doors.
bushfire event)	Check all buildings for wind borne debris build up and remove.
Also refer to Schedule 1, Appendix B	Check gutters are free from vegetation.
	Ongoing management (slashing, mulching, mowing) of all areas marked in red on the on the Verge Treatment Map.
	Trees and scrub should have dead branches/material removed.
	Trimming and removing dead plants, branches or leaf litter.
	All areas outside of the small clumps should have the understorey (Scrub, sedges, shrubs, grasses an small trees) removed/modified to a low threat state and managed in perpetuity.
	Outside of the small clumps to remain, vegetation should be slashed, fine fuel loads, including combustible dead vegetation and material less than 6mm in width maintained at an average of less that two tonnes per hectare (more frequently as required).
Fortnightly to Monthly (As	Slash, mulch or mow the areas outside of the five small clumps (more frequently as required).
Fortnightly to Monthly (As required to maintain low threat state)	Outside of the small clumps to remain, vegetation should be slashed, fine fuel loads, including combustible dead vegetation and material less than 6mm in width maintained at an average of less that two tonnes per hectare (more frequently as required).
	Raking and cleaning underfloor spaces (if applicable).
	Check flammable outdoor objects around buildings move if possible.
	Check no combustible materials are store near buildings or penetrations of buildings (windows doors etc), includes but not limited to – gas bottles, fences stored combustible material, vines, plants etc.
	Ensure weeds or woody material is not encroaching into the APZ area around buildings, attend to any dead material through trimming and pruning, raking and removing to green waste.
	Any material from pre fire season preparation is either disposed to green waste or burn in piles away for the buildings with a 10m mineral earth break around the pile.
	Maintain weeds throughout the road verge.

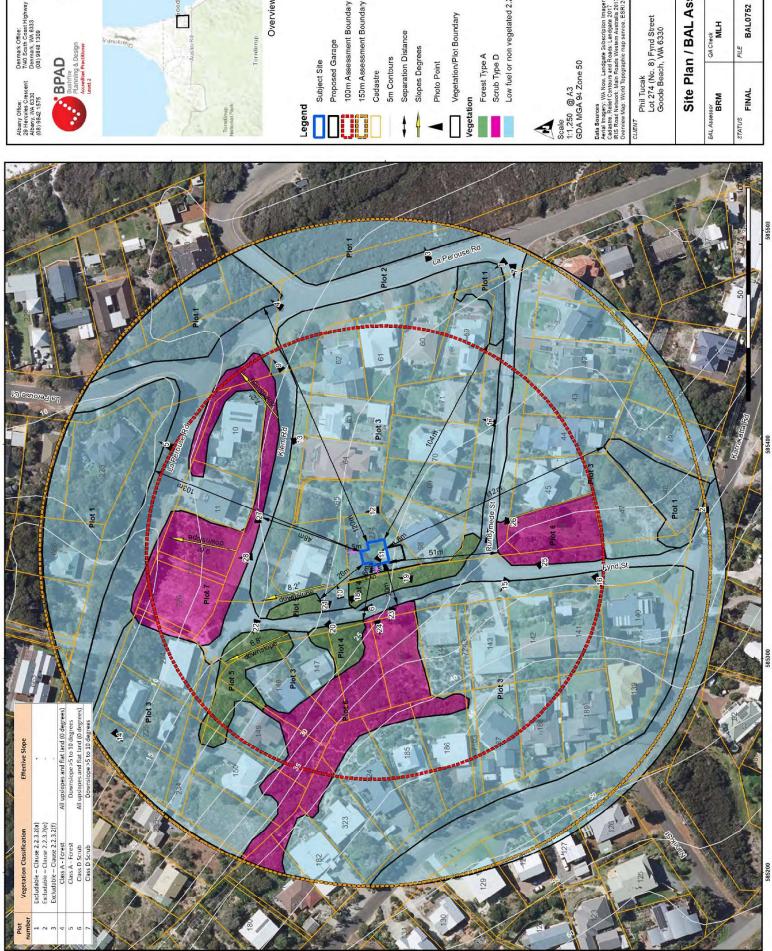
Also refer to Schedule 1, Appendix B of this report for additional information on the management of the APZ.

Note: Any clearing of vegetation may be subject to a Section 40 approval from DBCA as per the WA Biodiversity Conservation Act requirements due to the possible presence of the Western Ring Tail Possum.



Appendix A

Vegetation Map from BAL Report



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Overview Map Scale 1:100,000 Low fuel or non vegetated 2.2.3.2 Data Source; VM Now, Langate Subscription Imagery
Aerial Imagery; VM Now, Langate Subscription Imagery
Cadastre, Relief Cantours and Roads, Langate 2017
IRIS Road network, Main Tobads Western Australia ESRI 2012
Overview Map, World Topographic map service, ESRI 2012 100m Assessment Boundary 150m Assessment Boundary ث Vegetation/Plot Boundary Separation Distance Proposed Garage

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Assessment	Drawn by GSK	
Site Plan / BAL As	QA Check MLH	
Site Pla	BRM	

DATE 27/10/2022



Appendix B

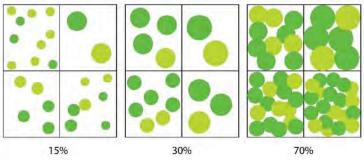
Schedule 1 WAPC Asset Protection Zone (APZ) standards to apply





ELEMENT 2: SITING AND DESIGN OF DEVELOPMENT

OBJECT	REQUIREMENT
Fences within the APZ	 Should be constructed from non-combustible materials (for example, iron, brick, limestone, metal post and wire, or bushfire-resisting timber referenced in Appendix of AS 3959).
Fine fuel load	Should be managed and removed on a regular basis to maintain a low threat state.
Combustible, dead vegetation	 Should be maintained at <2 tonnes per hectare (on average).
matter <6 millimetres in thickness)	 Mulches should be non-combustible such as stone, gravel or crushed mineral earth or wood mulch >6 millimetres in thickness.
Trees* (>6 metres in height)	Trunks at maturity should be a minimum distance of six metres from all elevations of the building.
	Branches at maturity should not touch or overhang a building or powerline.
	 Lower branches and loose bark should be removed to a height of two metres above the ground and/or surface vegetation.
	• Canopy cover within the APZ should be < 1.5 per cent of the total APZ area.
	 Tree canopies at maturity should be at least five metres apart to avoid forming a continuous canopy. Stands of existing mature trees with interlocking canopies may be treated as an individual canopy provided that the total canopy cover within the APZ will not exceed 15 per cent and are not connected to the tree canopy outside the APZ.
	Figure 19: Tree canopy cover — ranging from 15 to 70 per cent at maturity



Shrub* and scrub* (0.5 metres to six metres in height). Shrub and scrub >6 metres in height are to be treated as trees.

- · Should not be located under trees or within three metres of buildings.
- Should not be planted in clumps >5 square metres in area.
- Clumps should be separated from each other and any exposed window or door by at least 10 metres.

Ground covers* (<0.5 metres in height. Ground covers >0.5 metres in height are to be treated as shrubs)

- Can be planted under trees but must be maintained to remove dead plant material, as prescribed in 'Fine fuel load' above.
- Can be located within two metres of a structure, but three metres from windows or doors if >100 millimetres in height.

BAL0752-002 29 November 2022 9





ELEMENT 2: SITING AND DESIGN OF DEVELOPMENT

SCHEDULE 1: STANDARDS FOR ASSET PROTECTION ZONES

OBJECT	REQUIREMENT
Grass	 Grass should be maintained at a height of 100 millimetres or less, at all times. Wherever possible, perennial grasses should be used and well-hydrated with regular application of wetting agents and efficient irrigation.
Defendable space	 Within three metres of each wall or supporting post of a habitable building, the area is kept free from vegetation, but can include ground covers, grass and non- combustible mulches as prescribed above.
LP Gas Cylinders	 Should be located on the side of a building furthest from the likely direction of a bushfire or on the side of a building where surrounding classified vegetation is upslope, at least one metre from vulnerable parts of a building.
	The pressure relief valve should point away from the house.
	 No flammable material within six metres from the front of the valve.
	 Must sit on a firm, level and non-combustible base and be secured to a solid structure.

^{*} Plant flammability, landscaping design and maintenance should be considered – refer to explanatory notes