

Bushfire Assessment Report

Proposed:
**Alterations and
Additions**

At:
**6 Joalah Road,
Duffys Forest**

Reference Number: 250132

19 November 2024



Prepared By:
**Building Code & Bushfire
Hazard Solutions Pty Limited**

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Contents

	<u>Page No.</u>
Copyright and Disclaimer	2
List of Abbreviations	3
1.0 Introduction	4
2.0 Legislative Requirements	5
3.0 Purpose of Report	5
4.0 Scope of Report	5
5.0 Compliance Table and Notes	6
6.0 Aerial view of the subject allotment	7
7.0 Site Assessment	8 - 12
8.0 Bushfire Protection Measures	13 - 16
9.0 Recommendations	17 - 18
10.0 Conclusion	19
11.0 Annexure	20
- List of referenced documents and attachments	
- Attachments	

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The onus is on the applicant to cross reference this document with any conditions of consent issued by Council or any requirements supplied by the NSW Rural Fire Service following development approval. BCBHS can review and cross reference these documents however the onus is on the applicant to provide them to us and request this review – Building Code and Bushfire Hazard Solutions Pty. Ltd. is not in a position to track every DA through Council and we rely upon the applicant to undertake this role as project co-ordinator.

Where any discrepancy between this document and the development approval or the NSW Rural Fire Service requirements is found, the conditions of consent always take precedence until such time as an application to review, amend or vary these conditions is approved.

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Version Control				
Version	Date	Author	Reviewed by	Details
1	19/11/2024	Patrick Friend	Ian Tyerman	Final Report

List of Abbreviations:

APZ	Asset Protection Zone
AS3959	Australian Standard 3959 – 2018
BAL	Bushfire Attack Level
BPMs	Bushfire Protection Measures
BPLM	Bushfire Prone Land Map
Council	Northern Beaches Council
DA	Development Application
ELVIS	Elevation and Depth Foundation Spatial Data
EP&A Act	<i>Environmental Planning and Assessment Act - 1979</i>
ESD	Ecologically Sustainable Development
FRNSW	Fire and Rescue NSW
IPA	Inner Protection Area
NASH	National Association of Steel-framed Housing
NCC	National Construction Code
NP	National Park
NSP	Neighbourhood Safer Place
OPA	Outer Protection Area
PBP	<i>Planning for Bush Fire Protection – 2019</i>
ROW	Right of Way
RF Act	<i>Rural Fires Act - 1997</i>
RFS	NSW Rural Fire Service
SEPP	State Environmental Planning Policy
SFPP	Special Fire Protection Purpose
SWS	Static Water Supply

1.0 Introduction

The development proposal relates to alterations & additions to the existing dwelling within a rural residential allotment located at 6 Joalah Road, Duffys Forest (Lot 375 DP 752017).

The subject site has street access to Joalah Road to the south and abuts similar private residential allotments to the east and west and Boorlaie Road to the North.

Properties considered to be affected by possible bushfire impact are determined from the local Bushfire Prone Land Map as prepared by Council and or the Rural Fire Service. All property development within affected areas is subject to the conditions detailed in the document 'Planning for Bush Fire Protection - 2019' (PBP).

PBP formally adopted on the 1st March 2020 provides for the protection of property and life (including fire-fighters and emergency service personnel) from bushfire impact.

Northern Beaches Council's Bushfire Prone Land Map identifies the subject property as containing Category 1 Vegetation and the Vegetation Buffer. As the subject site is bushfire prone in accordance with section 4.14 of the *Environmental Planning and Assessment Act 1979* development consent cannot be granted unless the proposal satisfies the relevant specifications and requirements of PBP.

As the application relates to the alterations and additions to an existing dwelling within a residential allotment, the relevant specifications and requirements under PBP are the aim and objectives detailed in Chapter 1 'Introduction' and specific objectives and bushfire protection measures detailed in Chapter 7 'Residential Infill Development'.



Figure 01: Extract from Northern Beaches Council's Bushfire Prone Land Map.

2.0 Legislative Requirements

The subject site is designated as Bushfire Prone Land (Figure 01).

In accordance with section 4.14 of the *Environmental Planning and Assessment Act 1979* development consent cannot be granted for the carrying out of development for any purpose (other than a subdivision of land that could lawfully be used for residential or rural residential purposes or development for a special fire protection purpose) on bush fire prone land unless the consent authority:

- (a) *is satisfied that the development conforms to the specifications and requirements of the version (as prescribed by the regulations) of the document entitled Planning for Bush Fire Protection, or*
- (b) *has been provided with a certificate by a person who is recognised by the NSW Rural Fire Service as a qualified consultant in bush fire risk assessment stating that the development conforms to the relevant specifications and requirements.*
- (1A) *If the consent authority is satisfied that the development does not conform to the relevant specifications and requirements, the consent authority may, despite subsection (1), grant consent to the carrying out of the development but only if it has consulted with the Commissioner of the NSW Rural Fire Service concerning measures to be taken with respect to the development to protect persons, property and the environment from danger that may arise from a bush fire.*

This Bushfire Assessment Report and accompanying certificate has been prepared by a person who are recognised by the NSW Rural Fire Service (RFS) as qualified in bushfire risk assessment and has been accredited by the Fire Protection Association of Australia as a Level 2 BPAD qualified practitioner.

3.0 Purpose of Report

The purpose of this Bushfire Assessment Report is to provide the owners and Council with an independent bushfire assessment together with appropriate recommendations for both new building construction and bushfire mitigation measures considered necessary having regard to construction within a designated 'bushfire prone' area.

The recommendations contained within this report may assist in forming the basis of any specific construction conditions and/or bushfire mitigation measures that Council and/or the NSW Rural Fire Service may elect to place within any consent conditions issued for the subject Development Application.

4.0 Scope of this Report

The scope of this report is limited to providing a bushfire assessment and recommendations for the subject property. Where reference has been made to the surrounding lands, this report does not purport to directly assess those lands; rather it may discuss bushfire impact and/or progression through those lands and possible bushfire impact to the subject property.

5.0 Compliance Tables & Notes

The following table sets out the project’s compliance with *Planning for Bush Fire Protection – 2019*.

	North	West	Southeast	East
Vegetation Structure	Forest	Grassland	Remnant	Maintained curtilages
Slope	5 - 10 degrees down	5 - 10 degrees down	10 - 15 degrees down	0 - 5 degrees down
Asset Protection Zone	>40 metres	>35 metres	>24 metres	>100 metres
Significant Landscape Features	Forest	Neighbouring private allotment	Joalah Road / Neighbouring private allotment	Neighbouring private allotment
Threatened Species	APZ Existing	APZ Existing	APZ Existing	APZ Existing
Aboriginal Relics	APZ Existing	APZ Existing	APZ Existing	APZ Existing
Bushfire Attack Level	BAL 29	BAL 12.5	BAL 12.5	N/A
Required Construction Level	BAL 29	BAL 29	BAL 29	BAL 29

Compliance Summary of Bushfire Protection Measures			
Bushfire Protection Measure (s7 PBP)	Acceptable Solution	Performance Solution	Report Section
Asset Protection Zones	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7.03
Access	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7.03
Water Supplies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7.03
Electricity and Gas Services	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7.03
Construction Standards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7.03
Landscaping	<input checked="" type="checkbox"/>	<input type="checkbox"/>	7.03

6.0 Aerial view of the subject allotment

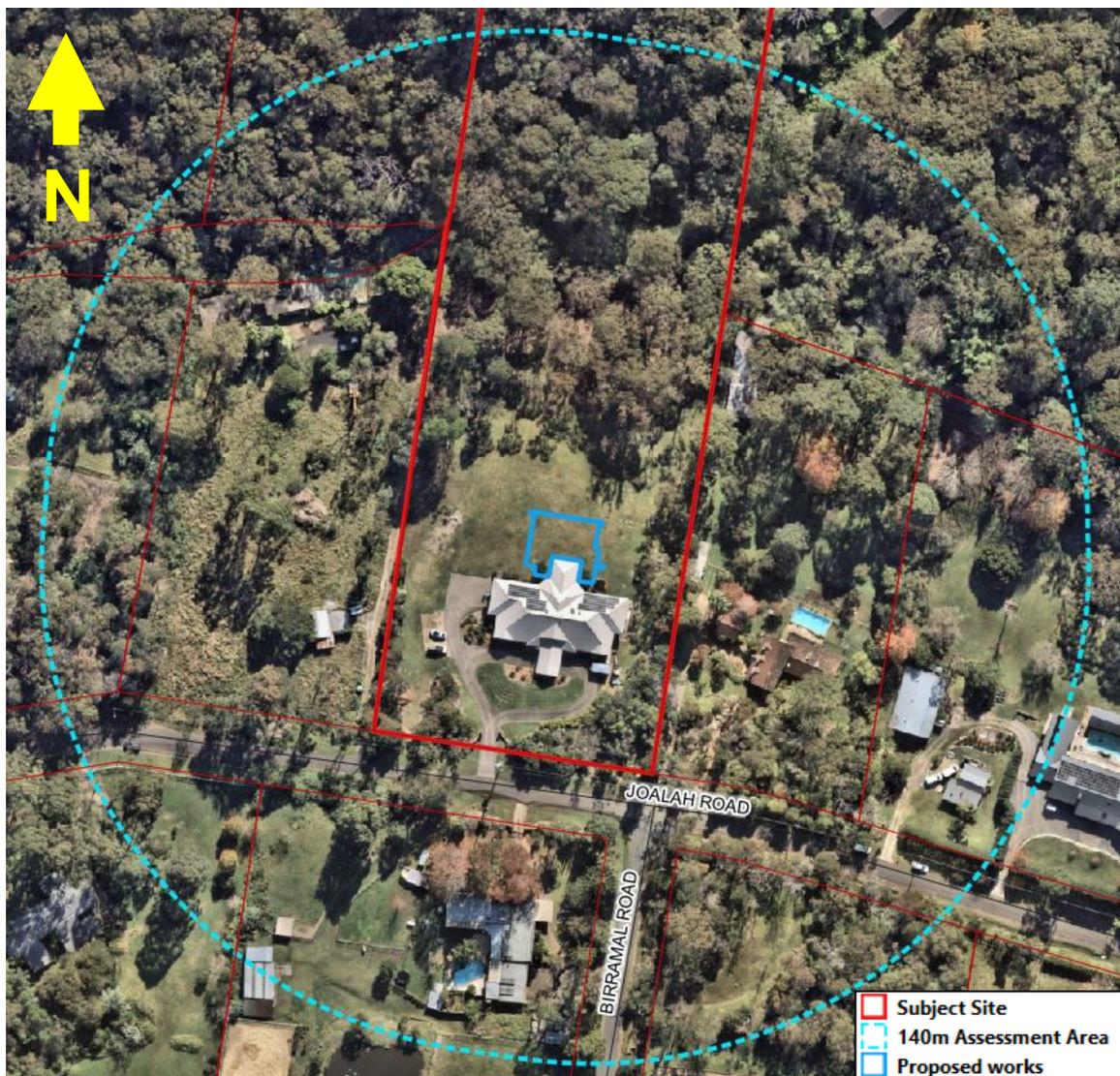


Figure 02: Aerial view of the subject area C/- Nearmap

7.0 Site Assessment

A representative of Building Code & Bushfire Hazard Solutions completed a site inspection of the subject site and surrounding area on 9th August 2024.

The following external data sources have been relied upon for this assessment:

- Aerial imagery of the subject area (NSW Spatial Services & Nearmap).
- 1 metre contour mapping of the subject area (Elevation and Depth Foundation Spatial Data – Geoscience Australia)
- NSW Planning Portal Spatial Viewer
- Vegetation mapping (NSW State Vegetation Type Map)
- NSW Bush Fire Prone Land (NSW Rural Fire Service)

7.01 Location

The subject property is known as 6 Joalah Road, Duffys Forest (Lot 375 DP 752017) and is a rural residential allotment (zoned RU4: Primary Production Small Lots) located within Northern Beaches Councils Local Government Area.

The subject site has street access to Joalah Road to the south and abuts similar private residential allotments to the east and west and Booralie Road to the north.

The vegetation identified as being the potential hazard is located within neighbouring allotments, and within the subject property to the north of the proposed works.

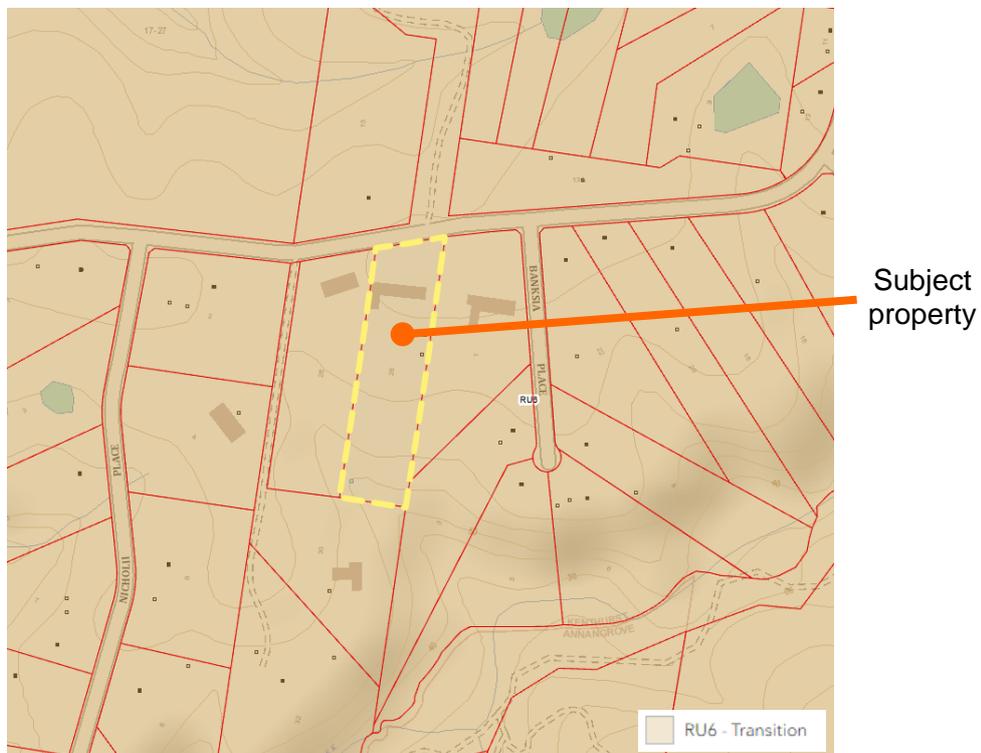


Figure 03: Land Zoning of subject area (source ePlanning portal).

7.02 Vegetation

The vegetation identified as being the potential hazard is located within neighbouring allotments, and within the subject property to the north of the proposed works.

The vegetation posing a threat to the proposed development to the north, was found to consist of trees 10 - 20 metres in height with 50 - 70% foliage cover and an understorey of low trees and ferns.

The NSW Vegetation mapping identifies the vegetation to the north as Sydney Coastal Sandstone Bloodwood Shrub Forest (PCT: 3593) and Sydney Coastal Sandstone Gully Forest (PCT: 3595).

The vegetation within the neighbouring allotment to the west consisted of unmanaged grasses and therefore has been determined to be Grassland. The vegetation to the southeast within the subject allotment, being less than 1 hectare in area and greater than 50m from the hazard to the north, has been determined to be Remnant and therefore assessed as rainforest in accordance with appendix 1.11.1 of PBP 2019.

For the purpose of assessment under PBP the predominant vegetation posing a hazard to the north, has been assessed as Forest.

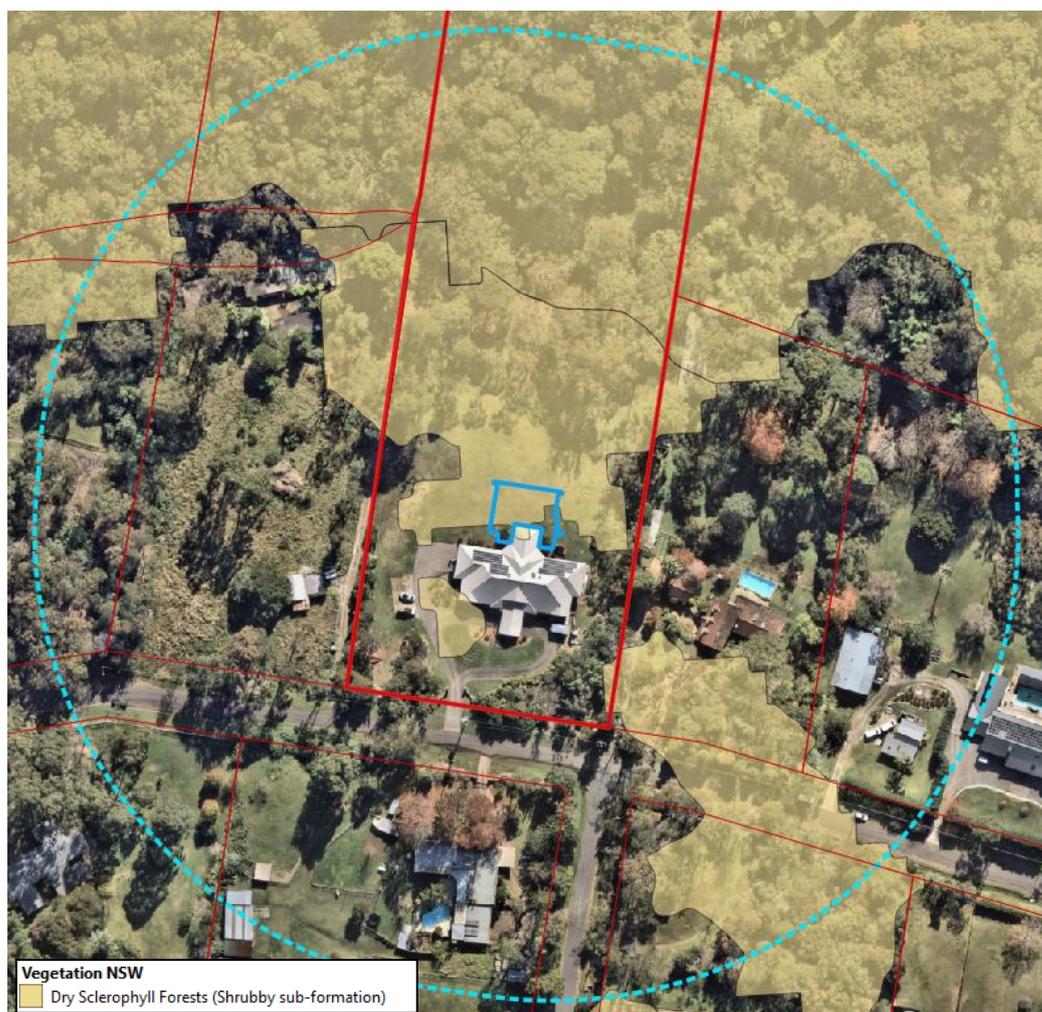


Figure 04: Extract from Vegetation NSW



Forest

Photograph 01: View towards the vegetation hazard to the northwest.



Forest

Photograph 02: View towards the vegetation to the northeast

7.03 Slope and Topography

The slope of the land under the classified vegetation has a direct influence on the forward rate of spread, fire intensity and radiant heat exposure. The effective slope is considered to be the slope under the classified vegetation which will most significantly influence bushfire behaviour toward the development site.

In accordance with A1.4 'Determine slope' of PBP the slope assessment is to be derived from the most detailed contour data available.

The slope that would **most significantly** influence bushfire impact was determined onsite using an inclinometer and verified from topographic imagery to be:

- 5 - 10 degrees down slope within the hazard to the north,
- 5 - 10 degrees down slope within the hazard west and southeast

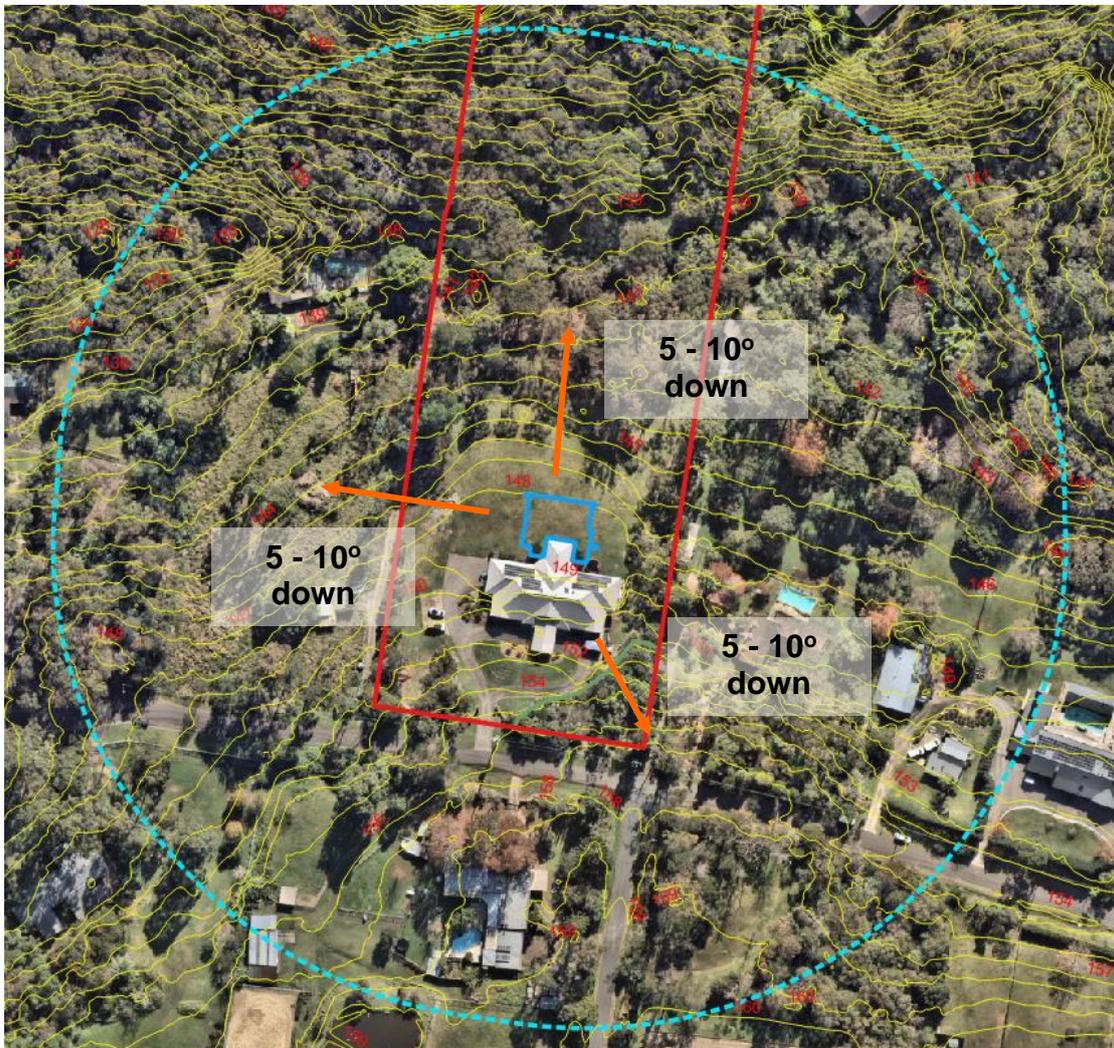


Figure 05: Extract from ELVIS - Geoscience Australia - 1m contours

7.04 Fire Weather

All development which attracts an Asset Protection Zone and Bushfire Attack Level under PBP requires the identification of the relevant Forest Fire Danger Index (FFDI). The FFDI required to be used for development assessment purposes is based on the local government boundaries, being Northern Beaches Council in this instance.

In accordance with the NSW Rural Fire Service publication 'NSW Local Government Areas FDI' (2017) Northern Beaches Council forms part of the Greater Sydney Region Fire Weather District and attracts an FFDI of 100. Due to the presence of a grassland hazard in accordance with table 5.1.4a of PBP a Grassland Fire Danger Index of 130 has been adopted.

8.0 Bushfire Protection Measures

8.01 Planning for Bush Fire Protection - 2019

Planning for Bush Fire Protection – 2019 (PBP) is applicable to development located on land determined as being 'bushfire prone' in accordance with the local Bushfire Prone Land Map.

Bushfire prone land is defined as those areas;

- containing or within 100m of Category 1 Vegetation; or
- containing or within 30m of Category 2 or 3 Vegetation.

Northern Beaches Council's Bushfire Prone Land Map identifies the subject property as Category 1 Vegetation and the Vegetation Buffer therefore PBP must apply in this instance.

The application of Planning for Bush Fire Protection requires satisfactory demonstration of the aim and objectives and the following bushfire protection measures (BPMs):

- Asset Protection Zones
- Building construction, siting & design
- Access arrangements
- Water supply & utilities
- Landscaping

As the proposal relates to alterations and additions to an existing dwelling, the proposal must comply with the bushfire protection measures detailed within Chapter 7 'Residential Infill Development' of PBP.

8.02 Asset Protection Zones

An Asset Protection Zone (APZ) is an area between the development (in this instance the building footprint) and the identified bushfire hazards where fuels are maintained to a minimum to prevent the spread of fire between a hazard and an asset.

The width of the APZ is determined by the vegetation structure of the identified hazard, Forest Fire Danger Index, effective slope and the type of development (residential development or Special Fire Protection Purpose).

The Acceptable Solution under Table 7.4a of PBP requires APZs be provided in accordance with Table A1.12.2, consistent with that for residential subdivisions.

The minimum required APZ for the proposed works was determined from Table A1.12.2 of PBP to be 36 metres from the bushfire hazard to the north, 13 metres from the grassland hazard to the west and 18 metres from the hazard to the southeast.

The available APZs to the proposed works are 40 metres from the bushfire hazard to the north, 35 metres from the grassfire hazard to the west, 24 metres from the bushfire hazard to the southeast, exceeding the minimum required APZ in accordance with A1.12.2 of PBP.

It is proposed that all existing managed grounds for the distances as specified above within subject property shall be continued to be maintained as in accordance with an APZ (Inner Protection Area). This will result in the provision of a defensible space for attending fire service and in conjunction with the application of the recommended construction provisions will provide APZs commensurate with the construction.

8.03 Building construction, siting & design

Australian Standard 3959 – 2018 'Construction of buildings in bushfire-prone areas' (AS3959) specifies construction standards for buildings within various Bushfire Attack Levels as determined by Planning for Bush Fire Protection – 2019.

AS3959 provides for six (6) levels of building construction these being BAL - Low, BAL - 12.5, BAL - 19, BAL - 29, BAL - 40 and BAL - FZ.

Bushfire Attack Level	Maximum radiant heat impact (kW/m ²)	Level of construction under AS3959-2018
Low		No special construction requirements
12.5	≤12.5	BAL - 12.5
19	12.6 to 19.0	BAL - 19
29	19.1 to 29.0	BAL - 29
40	29.1 to 40.0	BAL - 40
Flame Zone	>40.0	BAL FZ No deemed to satisfy provisions

Table 01: Correlation between bushfire impact and AS3959

The highest Bushfire Attack Level to the proposed works was determined from Table A1.12.5 of PBP to be 'BAL 29'. The proposed works will be constructed to sections 3 and 7 (BAL 29) under AS3959 – 2018 and the additional construction requirements detailed in section 7.5 of PBP.

8.04 Property Access

The subject property has street access to Joalah Road to the south. Persons seeking to egress from the subject property will be able to do so via the existing access drive and public roads.

The most distant external point of the existing dwelling and proposed works is greater than 70 metres from a public road supporting the operational use of fire fighting vehicles and therefore the Access requirements detailed in Table 7.4a of PBP are applicable.

Access to the hazard is available via Joalah Road and surrounding streets for hazard reduction or for fire suppression activities.

The existing access provides a sealed surface 5m width with ample opportunities for turning and access to the rear of the property.

The existing access is not being altered as part of this proposal and is considered adequate.

8.05 Water Supply & Utilities

Hydrants are available throughout Joalah Road and surrounding streets for the replenishment of fire service vehicles. The most distant external point of the building footprint is greater than 70 metres from a road supported by an operational hydrant and therefore a Static Water Supply is required in consideration of AS2419.1 – 2021 and Chapter 7 of PBP.

The building has an existing connection to the electrical network.

Any new gas connections must comply with Table 7.4a of PBP.

The recommended water supply is adequate for this development.

8.06 Emergency management arrangements

Evacuation is possible by utilising existing road infrastructure.

It is encouraged that the occupants complete a Bush Fire Survival Plan. The template for this plan is available at <https://www.rfs.nsw.gov.au/resources/bush-fire-survival-plan>.

8.07 Landscaping

Any new landscaping must comply with Table 7.4a of *Planning for Bush Fire Protection 2019*.

8.08 Aim & Objectives of PBP

The following table details the aim and objectives of Planning for Bush Fire Protection 2019 and the proposal's ability to comply.

Aim / Objective	Comment
The aim of PBP is to provide for the protection of human life and minimise impacts on property from the threat of bush fire, while having due regard to development potential, site characteristics and protection of the environment.	With the inclusion of the recommendations made herein it is of our opinion that the aim of PBP has been satisfied.
(i) afford buildings and their occupants protection from exposure to a bush fire;	The proposed works will be constructed to BAL 29 being the relevant Bushfire Attack Level and along with the APZ will protect occupants from exposures to a bushfire.
(ii) provide for a defensible space to be located around buildings;	There is a defensible space available to the identified hazard.
(iii) provide appropriate separation between a hazard and buildings which, in combination with other measures, prevent the likely fire spread to buildings;	The APZs, in conjunction with construction measures will prevent the likely fire spread to the building.
(iv) ensure that appropriate operational access and egress for emergency service personnel and occupants is available;	The recommended access and road network provides appropriate operational access and egress for emergency services.

Objective	Comment
<p>(v) provide for ongoing management and maintenance of bush fire protection measures, (BPMs); and</p>	<p>All existing maintained grounds within the subject site will continue to be maintained in accordance with an Asset Protection Zone / Inner Protection Area as detailed in Appendix 4 of Planning for Bush Fire Protection 2019 and the NSW Rural Fire Service publication 'Standards for Asset Protection Zones'.</p> <p>Any new landscaping is to comply with the provisions of Table 7.4a and Appendix 4 of PBP.</p>
<p>(vi) ensure that utility services are adequate to meet the needs of firefighters.</p>	<p>Hydrants are available throughout Joalah Road and surrounding streets for the replenishment of fire service vehicles.</p> <p>The recommended water supply is adequate for the replenishment of attending fire services.</p>

It is therefore of our opinion that the proposal can satisfactorily comply with the aim and objectives of Planning for Bush Fire Protection 2019.

9.0 Recommendations

The following recommendations are provided as the minimum necessary for compliance with Planning for Bush Fire Protection – 2019 and Australian Standard 3959 'Construction of buildings in bushfire-prone areas - 2018. Additional recommendations are provided to supplement these minimum requirements where considered necessary.

Asset Protection Zones

1. That all grounds within the subject property for a minimum of 40 metres to the north, 35 metres to the west and 24 metres to the southeast from the proposed works are to continue to be maintained as existing as an Asset Protection Zone (Inner Protection Area) as detailed in the NSW Rural Fire Service's document 'Standards for Asset Protection Zones' and Appendix 4 of *Planning for Bush Fire Protection 2019*.

Note: At the time of our inspection no tree removal is required to implement the above recommendation, and no additional tree planting is permitted.

Construction

2. That all roofing and construction shall comply with sections 3 and 7 (BAL 29) Australian Standard AS3959-2018 'Construction of buildings in bush fire-prone areas' and section 7.5 of 'Planning for Bush Fire Protection - 2019'.

Water

3. That a 20,000litre static water supply be provided within the subject property, where this supply is a water tank it shall comply with the following;
 - a connection for firefighting purposes is located within the IPA or non-hazard side and away from the structure; 65mm Storz outlet with a ball valve is fitted to the outlet;
 - ball valve and pipes are adequate for water flow and are metal;
 - supply pipes from tank to ball valve have the same bore size to ensure flow volume;
 - underground tanks have an access hole of 200mm to allow tankers to refill direct from the tank;
 - a hardened ground surface for truck access is supplied within 4m;
 - above-ground tanks are manufactured from concrete or metal;
 - raised tanks have their stands constructed from non-combustible material or bush fire-resisting timber (see Appendix F of AS 3959);
 - unobstructed access can be provided at all times;
 - underground tanks are clearly marked;
 - tanks on the hazard side of a building are provided with adequate shielding for the protection of firefighters;
 - all exposed water pipes external to the building are metal, including any fittings;
 - that a 5hp or 3kW petrol or diesel-powered pump and 19mm internal diameter fire hose capable of reaching all points of the building is provided
 - fire hose reels are constructed in accordance with AS/NZS 1221:1997, and installed in accordance with the relevant clauses of AS 2441:2005.

Access

4. That any new access drive to comply with the following requirements for Property Access as detailed in section 7.4 of Planning for Bush Fire Protection - November 2019
 - minimum 4m carriageway width;
 - in forest, woodland and heath situations, rural property roads have passing bays every 200m that are 20m long by 2m wide, making a minimum trafficable width of 6m, at the passing bay;
 - a minimum vertical clearance of 4m to any overhanging obstructions, including tree branches;
 - property access must provide a suitable turning area in accordance with Appendix 3;
 - curves have a minimum inner radius of 6m and are minimal in number to allow for rapid access and egress;
 - the minimum distance between inner and outer curves is 6m;
 - the crossfall is not more than 10 degrees;
 - maximum grades for sealed roads do not exceed 15 degrees and not more than 10 degrees for unsealed roads; and

Note: Some short constrictions in the access may be accepted where they are not less than 3.5m wide, extend for no more than 30m and where the obstruction cannot be reasonably avoided or removed. The gradients applicable to public roads also apply to community style development property access roads in addition to the above.

Landscaping

5. That any new landscaping within the Asset Protection Zone is to comply with Table 7.4a of *Planning for Bush Fire Protection 2019*.

Gas (where applicable)

6. That any new gas services are to comply with Table 7.4a of Planning for Bush Fire Protection 2019 as follows:
 - reticulated or bottled gas is installed and maintained in accordance with AS/NZS 1596:2014 and the requirements of relevant authorities, and metal piping is used;
 - all fixed gas cylinders are kept clear of all flammable materials to a distance of 10m and shielded on the hazard side;
 - connections to and from gas cylinders are metal;
 - polymer-sheathed flexible gas supply lines are not used; and
 - above-ground gas service pipes are metal, including and up to any outlets.

Emergency management

7. That the occupants of the subject dwelling complete a Bush Fire Survival Plan.

10.0 Conclusion

Given that the property is deemed bushfire prone under Northern Beaches Council's Bushfire Prone Land Map any development would need to meet the requirements of Planning for Bush Fire Protection – 2019 and of the construction requirements of AS3959 – 2018. The determination of any bushfire hazard must be made on a site-specific basis that includes an assessment of the local bushland area and its possible impact to the subject property.

The subject property is a rural residential allotment within an area of similar properties. The vegetation identified as being the potential hazards are located within neighbouring allotments to the west, within the subject property to the north and southeast of the proposed works. The vegetation posing a hazard to the north has been assessed as Forest, the vegetation to the west has been assessed as Grassland and the vegetation to the southeast has been determined to be Remnant and assessed as rainforest.

The highest Bushfire Attack Level to the proposed works was determined from Table A1.12.5 of PBP to be 'BAL 29'. The proposed works will be constructed to sections 3 and 7 (BAL 29) under AS3959 – 2018 and the additional construction requirements detailed in section 7.5 of PBP.

The recommended water supply and existing access provisions are considered adequate.

In accordance with the bushfire safety measures contained in this report, and consideration of the site-specific bushfire risk assessment it is our opinion that when combined, they will provide a reasonable and satisfactory level of bushfire protection to the subject development.

We are therefore in support of the development application.

Should you have any enquiries regarding this project please contact me at our office.

Prepared by
Bushfire Hazard Solutions



Patrick Friend
Trainee Bushfire Consultant

Reviewed and endorsed by
Bushfire Hazard Solutions



Ian Tyerman
Senior Bushfire Consultant
Graduate Certificate in Bushfire Protection
Planning for Bushfire Prone Areas - UTS Sydney
FPA Australia BPAD Level 2 Accredited Practitioner
BPAD Accreditation No. BPAD30356



11.0 Annexure 01

List of Referenced Documents

Australian Building Codes Board (2022). *National Construction Code Volume Two - Building Code of Australia*. ABCB

Myson and Berkery Architects *SITE PLAN* (Drawing No: A0-01, Revision 1, Date 08 November 2024).

ELVIS -Elevation -Foundation Spatial Data. Elevation.fsdf.org.au. Available at: <http://elevation.fsdf.org.au/>

Keith, D. (2004). "*Ocean Shores to Desert Dunes*" Department of Environment and Conservation, Sydney

NSW Department of Planning and Environment (2019). *Planning Portal*. Accessed at: <https://www.planningportal.nsw.gov.au/>

NSW Rural Fire Service (2019). *Planning for Bush Fire Protection. A Guide for Councils, Planners, Fire Authorities and Developers*.

Site Roof + Location Plans by Myson+Berkery Architects; Job No. 24 05; Drawing No. A0-01; Rev. 1; Dated: 08.11.24

Standards Australia (2018). *AS3959 Construction of buildings in bushfire-prone areas*.

Standards Australia (2014). *AS/NZS 1596 The storage and handling of LP Gas*

Rural Fire Service NSW (2005). *Standards for Asset Protection Zones*

Acknowledgements to:

Geoscience Australia
Nearmaps
Street-directory.com.au

Attachments

Attachment 01: s4.14 Compliance Certificate

Bush Fire Certificate

Certificate issued under 4.14(1)(b) of the *Environmental Planning & Assessment Act, 1979* and *Planning for Bush Fire Protection 2019*

This Certificate has been issued by a person accredited by Fire Protection Association Australia (FPA Australia) under the Bush Fire Planning and Design (BPAD) Accreditation Scheme and who is recognised by the NSW Rural Fire Service as a qualified consultant in bushfire risk assessment within the meaning of section 4.14(1)(b) of the *Environmental Planning and Assessment Act 1979* (NSW).

Property Details and Description of Works

Address Details	Unit no	Street no	Street name	Lot/Sec/DP
	Suburb			State
Local Government Area				
BCA class of the building				
Description of the proposal				
Development Application Reference				

Bush Fire Assessment Report

A detailed Bush Fire Assessment Report is attached, which includes the relevant submission requirements set out in <i>Appendix 2 of Planning for Bush Fire Protection 2019</i> together with recommendations as to how the relevant specifications and requirements are to be achieved.	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Report Reference and date		

BPAD Certification

Name	I hereby certify, in accordance with Section 4.14(1)(b) of the <i>Environmental Planning and Assessment Act 1979</i> that:	
Company Details & ABN	<ul style="list-style-type: none"> I am a person recognised by the NSW Rural Fire Service as a qualified consultant in bush fire risk assessment; and the development conforms to the relevant specifications and requirements of <i>Planning for Bush Fire Protection 2019</i> in accordance with section 4.14(1)(b) of the <i>Environmental Planning and Assessment Act 1979</i> (NSW). 	
BPAD Accreditation Number	Signature	Date
		