



RFS



Northern Beaches Council
PO Box 882
MONA VALE NSW 1660

Your reference: (CNR-84321) DA2025/0886
Our reference: DA20250715002784-Original-1

ATTENTION: Ryan Fehon

Date: Tuesday 5 August 2025

Dear Sir/Madam,

Development Application

s4.14 - Other - Single Dwelling - Alterations & Additions

11 Moresby Place Allambie Heights NSW 2100 Australia, 11//DP28394

I refer to your correspondence dated 15/07/2025 seeking advice regarding bush fire protection for the above Development Application in accordance with section 4.14 of the *Environmental Planning and Assessment Act 1979*.

The New South Wales Rural Fire Service (NSW RFS) has considered the information submitted and provides the following recommended conditions:

Asset Protection Zones

Intent of measures: to minimise the risk of bush fire attack and provide protection for emergency services personnel, residents and others assisting firefighting activities.

1. From the start of building works, and in perpetuity to ensure ongoing protection from the impact of bush fires, the entire property, must be managed as an inner protection area (IPA) in accordance with the requirements of Appendix 4 of *Planning for Bush Fire Protection 2019*.

When establishing and maintaining an IPA the following requirements apply:

- tree canopy cover should be less than 15% at maturity;
- trees at maturity should not touch or overhang the building;
- lower limbs should be removed up to a height of 2m above the ground;
- tree canopies should be separated by 2 to 5m;
- preference should be given to smooth barked and evergreen trees;
- large discontinuities or gaps in vegetation should be provided to slow down or break the progress of fire towards buildings;
- shrubs should not be located under trees;
- shrubs should not form more than 10% ground cover;
- clumps of shrubs should be separated from exposed windows and doors by a distance of at least twice the height of the vegetation.
- grass should be kept mown (as a guide grass should be kept to no more than 100mm in height); and
- leaves and vegetation debris should be removed.

Postal address

NSW Rural Fire Service
Locked Bag 17
GRANVILLE NSW 2142

Street address

NSW Rural Fire Service
4 Murray Rose Ave
SYDNEY OLYMPIC PARK NSW 2127

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Construction Standards

Intent of measures: to minimise the risk of bush fire attack and provide protection for emergency services personnel, residents and others assisting firefighting activities.

2. Proposed construction on the existing dwelling and its alterations and additions, elevations and all roofing being replaced (existing and proposed), located within 25m from the rear north eastern site boundary, (inclusive of north west and south east elevations), must comply with Section 3 (excluding section 3.5) and Section 9 (BAL FZ) of Australian Standard AS3959-2018 *Construction of buildings in bushfire-prone areas* or the relevant BAL-FZ requirements of the *NASH Standard - Steel Framed Construction in Bushfire Areas (incorporating amendment A - 2015)*. New construction must also comply with the construction requirements in Section 7.5 of *Planning for Bush Fire Protection 2019*.

3. Proposed construction on the existing dwellings and proposed additions, extending back 25m from the north eastern site boundary, towards the south western site boundary (fronting Moresby Place) as well as the adjoining north west and south eastern elevations, must comply with section 3 and section 8 (BAL 40) Australian Standard AS3959-2018 *Construction of buildings in bush fire-prone areas* or NASH Standard (1.7.14 updated) *National Standard Steel Framed Construction in Bushfire Areas – 2014* as appropriate and Section 7.5 of *Planning for Bush Fire Protection 2019*.

4. Inclusion of a fire rated wall, located between the secondary dwelling and the existing dwelling, must be designed and constructed in accordance with NCC 2019 Volume Two Amendment Part 3.7 Fire safety, FRL of not less than 60/60/60 or masonry construction not less than 90mm thick.

5. The existing dwelling, must be upgraded to improve ember protection by enclosing all openings (excluding roof tile spaces) or covering openings with a non-corrosive metal screen mesh with a maximum aperture of 2mm. Where applicable, this includes any sub floor areas, openable windows, vents, weep-holes and eaves. External doors are to be fitted with draft excluders.

Water and Utility Services

Intent of measures: to minimise the risk of bush fire attack and provide protection for emergency services personnel, residents and others assisting firefighting activities.

6. The provision of water, electricity and gas, must comply with the following in accordance with Table 7.4a of *Planning for Bush Fire Protection 2019*:

- reticulated water is to be provided to the development where available;
- all above-ground water service pipes external to the building are metal, including and up to any taps;
- where practicable, electrical transmission lines are underground;
- where overhead, electrical transmission lines are proposed as follows:

a) lines are installed with short pole spacing (30m), unless crossing gullies, gorges or riparian areas; and

b) no part of a tree is closer to a power line than the distance set out in accordance with the specifications in *ISSC3 Guideline for Managing Vegetation Near Power Lines*.

- 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;
0. The provision of water, electricity and gas must comply with the following in accordance with Table 7.4a of *Planning for Bush Fire Protection 2019*:
- reticulated water is to be provided to the development where available;



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- all above-ground water service pipes external to the building are metal, including and up to any taps;
- where practicable, electrical transmission lines are underground;
- where overhead, electrical transmission lines are proposed as follows:
 - a) lines are installed with short pole spacing (30m), unless crossing gullies, gorges or riparian areas; and
 - b) no part of a tree is closer to a power line than the distance set out in accordance with the specifications in *ISSC3 Guideline for Managing Vegetation Near Power Lines*.
- 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.

Landscaping Assessment

Intent of measures: to minimise the risk of bush fire attack and provide protection for emergency services personnel, residents and others assisting firefighting activities.

7. Landscaping within the required asset protection zone, must comply with Appendix 4 of *Planning for Bush Fire Protection 2019*. In this regard, the following principles are to be incorporated:

- A minimum 1 metre wide area, suitable for pedestrian traffic, must be provided around the immediate curtilage of the building;
- Planting is limited in the immediate vicinity of the building;
- Planting does not provide a continuous canopy to the building (i.e. trees or shrubs are isolated or located in small clusters);
- Landscape species are chosen to ensure tree canopy cover is less than 15% (IPA), and less than 30% (OPA) at maturity and trees do not touch or overhang buildings;
- Avoid species with rough fibrous bark, or which retain/shed bark in long strips or retain dead material in their canopies;
- Use smooth bark species of trees species which generally do not carry a fire up the bark into the crown;
- Avoid planting of deciduous species that may increase fuel at surface/ ground level (i.e. leaf litter);
- Avoid climbing species to walls and pergolas;
- Locate combustible materials such as woodchips/mulch, flammable fuel stores away from the building;
- Locate combustible structures such as garden sheds, pergolas and materials such as timber garden furniture away from the building; and
- Low flammability vegetation species are used.

General Advice - Consent Authority to Note

- The NSW RFS recognises that the site is constrained and that the proposed development falls within the Flame Zone. Flame Zone development is high risk development; consequently, in situations such as this, the NSW RFS seeks to improve the overall fire safety of the existing development. This requires greater emphasis on construction standards, landscaping, siting, and vegetation management practices to ensure improved levels of protection are afforded to the development, its occupants and fire fighters. The Service has undertaken a merit based assessment of the proposal and provides the above advice in accordance with *Planning for Bush Fire Protection 2019*.
- Council is advised, that this current assessment, is based on the applicants subsequent provision, of a correspondence from Northern Beaches Council, highlighting the provision of off-site vegetation management on Council owned land, located on the subject lots north eastern site boundary.



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- In addition, the proposed works located on the existing dwelling, (located with 25m of the rear site boundary) and up to the fire rated separation wall must be constructed to BAL FZ, inclusive of all the external walls and roofing. Initially all construction works located beyond that point, towards Moresby Place, encompassing the secondary dwelling (existing garage conversion within the existing building footprint) were to be constructed to BAL 29, as evidenced by the alternate based performance based solution, employing AS 3959-2018 Method 2 Radiant Heat modelling, determined radiant heat modelling, that less than less than 29kW/sqm, and initially applying BAL 29 construction.'
- However, as an inbuilt contingency, and acknowledging the sites intensification, it was determined, that whilst the radiant heat levels, have been determined as BAL 29, that BAL 40 construction, must be applied for all construction of the proposed works (elevations) at this point and with all works located on the roof being constructed to BAL FZ for consistency and include ember proofing of the entire existing dwelling.

For any queries regarding this correspondence, please contact Craig Casey on 1300 NSW RFS.

Yours sincerely,

Adam Small
**Supervisor Development Assessment & Plan
Built & Natural Environment**