

Sent:	27/07/2021 5:49:39 PM
Subject:	NSW RFS Determination - Your Reference - DA2021/0053 (CNR-18946)
Attachments:	DA20210312000953-Original-1 - 27-07-2021 16_17_54 - Determination Letter.pdf;



NSW RURAL FIRE SERVICE

Attention: Jordan Davies

Your Reference: DA2021/0053 (CNR-18946)

Application Details: s100B – Subdivision – Original

Site Address:

101 Dove Lane
Warriewood NSW 2102

Please find attached correspondence relating to the above development.

Should you wish to discuss this matter please contact Craig Casey on 1300 NSW RFS and quote DA20210312000953-Original-1.



Planning and Environment Services

NSW RURAL FIRE SERVICE

Locked Bag 17 Granville NSW 2142

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NSW RURAL FIRE SERVICE

Northern Beaches Council
PO Box 882
MONA VALE NSW 1660

Your reference: DA2021/0053 (CNR-18946)
Our reference: DA20210312000953-Original-1

ATTENTION: Jordan Davies

Date: Tuesday 27 July 2021

Dear Sir/Madam,

Integrated Development Application
s100B – Subdivision – Torrens Title Subdivision
101 Dove Lane Warriewood NSW 2102, 4//DP1251955

I refer to your correspondence dated 03/03/2021 seeking general terms of approval for the above Integrated Development Application.

The New South Wales Rural Fire Service (NSW RFS) has considered the information submitted. General Terms of Approval, under Division 4.8 of the *Environmental Planning and Assessment Act 1979*, and a Bush Fire Safety Authority, under section 100B of the *Rural Fires Act 1997*, are now issued subject to the following conditions:

Asset Protection Zones

Intent of measures: to provide sufficient space and maintain reduced fuel loads to ensure radiant heat levels at the buildings are below critical limits and prevent direct flame contact.

1. At the commencement of building works or the issue of a subdivision certificate (whichever comes first), and in perpetuity to ensure ongoing protection from the impact of bush fires, the entire site 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

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Street address

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- leaves and vegetation debris should be removed.

2. At the issue of a subdivision certificate, suitably worded instrument(s) created pursuant to section 88 of the *Conveyancing Act 1919*, must be placed on proposed lot 1 and 2 in DA01, which requires the provision of a 24m asset protection zones (APZ) located within the lots and projecting eastwards from the lots western site boundary, and prohibits the construction of buildings other than class 10b structures within the APZ. The name of authority empowered to release, vary or modify the instrument shall be Northern Beaches Council.

3. At the issue of a subdivision certificate, suitably worded instrument(s) created pursuant to section 88 of the *Conveyancing Act 1919*, must be placed on proposed lots 2, 3, 4, 5, 6, and 7 in DA02, which requires the provision of a 6m (18m off site vegetation management) asset protection zones (APZ) located within the lots and projecting north east from the lots south western, and prohibits the construction of buildings other than class 10b structures within the APZ. The name of authority empowered to release, vary or modify the instrument shall be Northern Beaches Council.

4. At the issue of a subdivision certificate, suitably worded instrument(s) created pursuant to section 88 of the *Conveyancing Act 1919*, must be placed on proposed lots 9, 10, 11, 12, and 13 in DA02, which requires the provision of a 6m (18m off site vegetation management) asset protection zones (APZ) located within the lots and projecting east from the lots western, and prohibits the construction of buildings other than class 10b structures within the APZ. The name of authority empowered to release, vary or modify the instrument shall be Northern Beaches Council.

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.

5. Proposed construction of the north western and south western elevations and roofing on the dwelling No 2/ DA02 and the south western elevations and roofing of dwellings 3, 4, 5, 6 and 7/ DA02 must comply with section 3 and section 7 (BAL 29) 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*.

6. Proposed construction of the western and southern elevations (No 13) and roofing on dwellings No 9, 10, 11, 12 and 13/ DA02 must comply with section 3 and section 7 (BAL 29) 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*.

7. Proposed construction of dwellings Nos 2 to 20/ DA02 inclusive, north eastern, eastern, western (Nos 14 through to 20), southern elevations (Nos 13 and 20) and No 8 elevations must comply with section 3 and section 6 (BAL 19) 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*.

8. Proposed construction of dwellings 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 and 13 /DA03 elevations and roofing must comply with Sections 3 and 5 (BAL 12.5) 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*.

Access – Property Access

Intent of measures: to provide safe operational access to structures and water supply for emergency services, while residents are seeking to evacuate from an area.

9. Access roads (Community Access Roads in DA02 and DA03) must comply with the following general requirements of Table 5.3b of *Planning for Bush Fire Protection 2019* and the following:

- subdivisions of three or more allotments have more than one access in and out of the development;
- traffic management devices are constructed to not prohibit access by emergency services vehicles;
- maximum grades for sealed roads do not exceed 15 degrees and an average grade of not more than 10 degrees or other gradient specified by road design standards, whichever is the lesser gradient;
- all roads are through roads;
- where kerb and guttering is provided on perimeter roads, roll top kerbing should be used to the hazard side of the road;
- one way only public access roads are no less than 3.5 metres wide and have designated parking bays with hydrants located outside of these areas to ensure accessibility to reticulated water for fire suppression;
- the capacity of perimeter and non-perimeter road surfaces and any bridges/causeways is sufficient to carry fully loaded firefighting vehicles (up to 23 tonnes); bridges/causeways are to clearly indicate load rating.
- hydrants are located outside of parking reserves and road carriageways to ensure accessibility to reticulated water for fire suppression;
- hydrants are provided in accordance with the relevant clauses of AS 2419.1:2005 - Fire hydrant installations System design, installation and commissioning; and
- there is suitable access for a Category 1 fire appliance to within 4m of the static water supply where no reticulated supply is available.

Water and Utility Services

Intent of measures: to provide adequate services of water for the protection of buildings during and after the passage of a bush fire, and to locate gas and electricity so as not to contribute to the risk of fire to a building.

10. The provision of water, electricity and gas must comply with the following in accordance with Table 5.3c of *Planning for Bush Fire Protection 2019*:

- reticulated water is to be provided to the development where available;
- fire hydrant, spacing, design and sizing complies with the relevant clauses of Australian Standard AS 2419.1:2005;
- hydrants are and not located within any road carriageway;
- reticulated water supply to urban subdivisions uses a ring main system for areas with perimeter roads;
- fire hydrant flows and pressures comply with the relevant clauses of AS 2419.1:2005;
- all above-ground water service pipes 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;
- reticulated or bottled gas is installed and maintained in accordance with AS/NZS 1596:2014 The storage and handling - of LP Gas,
- 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

The intent of measures is for landscaping. To achieve this, the following conditions must apply:

11. 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.

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

Yours sincerely,

Nika Fomin
Manager Planning & Environment Services
Built & Natural Environment



NSW RURAL FIRE SERVICE

BUSH FIRE SAFETY AUTHORITY

Subdivision – Torrens Title Subdivision
101 Dove Lane Warriewood NSW 2102, 4//DP1251955
RFS Reference: DA20210312000953-Original-1
Your Reference: DA2021/0053 (CNR-18946)

This Bush Fire Safety Authority is issued on behalf of the Commissioner of the NSW Rural Fire Service under s100b of the Rural Fires Act (1997) subject to the attached General Terms of Approval.

This authority confirms that, subject to the General Terms of Approval being met, the proposed development will meet the NSW Rural Fire Service requirements for Bush Fire Safety under *s100b of the Rural Fires Act 1997*.

Nika Fomin

**Manager Planning & Environment Services
Built & Natural Environment**

Tuesday 27 July 2021