

## SECTION TWO - BUSH FIRE ASSESSMENT REPORT (Attach to DA)

### PART A Property Details

Applicants Name: **Buckandsimple Architects - Peter Ahern**

Contact Phone Number; (H): (.....) ..... (M): **0415-770-383**

Council: **Northern Beaches** Council Reference (if known): .....

Lot: **10** DP: **663579**

Address to be developed: **39 Castle Circuit, Seaforth 2092**

My property is on Bush Fire Prone Land: ☒ Yes

### PART B Type of Proposal

Type of Proposal:

- |  |  |
|--|--|
| <input type="checkbox"/> New Building  | <input type="checkbox"/> Urban             |
| <input type="checkbox"/> Dual Occupancy  | <input type="checkbox"/> Rural Residential |
| <input checked="" type="checkbox"/> Alteration/Additions to an existing building | <input type="checkbox"/> Isolated Rural    |

Proposal Descrip..... **Alterations and Additions to an existing dwelling including a replacement roof over the dwelling, replacement of access stair at rear of dwelling and a new pergola structure.**

Copy of plans attached ☒ Yes

### PART C Bush Fire Attack and Level of Construction

**Step 1: Assess the vegetation about the proposed building in all directions and convert from Keith to AUSLIG (1990) using Table1**

| CATEGORY             | NORTH                                      | EAST                                  | SOUTH                                 | WEST                                  |
|----------------------|--|---------------------------------------|---------------------------------------|---------------------------------------|
| Converted vegetation | <input checked="" type="checkbox"/> Forest | <input type="checkbox"/> Forest       | <input type="checkbox"/> Forest       | <input type="checkbox"/> Forest       |
|                      | <input type="checkbox"/> Woodland          | <input type="checkbox"/> Woodland     | <input type="checkbox"/> Woodland     | <input type="checkbox"/> Woodland     |
|                      | <input type="checkbox"/> Shrubland         | <input type="checkbox"/> Shrubland    | <input type="checkbox"/> Shrubland    | <input type="checkbox"/> Shrubland    |
|                      | <input type="checkbox"/> Scrub             | <input type="checkbox"/> Scrub        | <input type="checkbox"/> Scrub        | <input type="checkbox"/> Scrub        |
|                      | <input type="checkbox"/> Mallee/Mulga      | <input type="checkbox"/> Mallee/Mulga | <input type="checkbox"/> Mallee/Mulga | <input type="checkbox"/> Mallee/Mulga |
|                      | <input type="checkbox"/> Rainforest        | <input type="checkbox"/> Rainforest   | <input type="checkbox"/> Rainforest   | <input type="checkbox"/> Rainforest   |
|                      | <input type="checkbox"/> Tussock           | <input type="checkbox"/> Tussock      | <input type="checkbox"/> Tussock      | <input type="checkbox"/> Tussock      |
|                      | <input type="checkbox"/> Moorland          | <input type="checkbox"/> Moorland     | <input type="checkbox"/> Moorland     | <input type="checkbox"/> Moorland     |
|                      | <input type="checkbox"/> Managed Land      | <input type="checkbox"/> Managed Land | <input type="checkbox"/> Managed Land | <input type="checkbox"/> Managed Land |

Copy of any relevant photos attached ☒ Yes

**Step 2: Determine the distance from asset to boundary line**

| ASPECT   | NORTH      | EAST    | SOUTH   | WEST    |
|----------|------------|---------|---------|---------|
| Distance | .65..... m | ..... m | ..... m | ..... m |

**Step 3: Determine the distance from the building line to the vegetation in each direction as above**

| ASPECT   | NORTH         | EAST    | SOUTH   | WEST    |
|----------|---------------|---------|---------|---------|
| Distance | ....85..... m | ..... m | ..... m | ..... m |

**Step 4: Determine the effective slope that will influence bush fire behaviour in each direction**

| CATEGORY   | NORTH   | EAST  | SOUTH   | WEST  |
|--|---|---|---|---|
| Slope under the hazard<br>(over 100m) [in degrees] | <input type="checkbox"/> upslope/flat<br><input type="checkbox"/> >0 to 5<br><input type="checkbox"/> >5 to 10<br><input checked="" type="checkbox"/> >10 to 15<br><input type="checkbox"/> >15 to 18 | <input type="checkbox"/> upslope/flat<br><input checked="" type="checkbox"/> >0 to 5<br><input type="checkbox"/> >5 to 10<br><input type="checkbox"/> >10 to 15<br><input type="checkbox"/> >15 to 18 | <input checked="" type="checkbox"/> upslope/flat<br><input type="checkbox"/> >0 to 5<br><input type="checkbox"/> >5 to 10<br><input type="checkbox"/> >10 to 15<br><input type="checkbox"/> >15 to 18 | <input type="checkbox"/> upslope/flat<br><input checked="" type="checkbox"/> >0 to 5<br><input type="checkbox"/> >5 to 10<br><input type="checkbox"/> >10 to 15<br><input type="checkbox"/> >15 to 18 |

**Step 5: Determine the Fire Danger Index (FDI) that applies to your local government area (see page 9). Circle the relevant FDI below**

|     |   |                             |                             |
|-----|---|-----------------------------|-----------------------------|
| FDI | <input checked="" type="checkbox"/> 100 | <input type="checkbox"/> 80 | <input type="checkbox"/> 50 |
|-----|---|-----------------------------|-----------------------------|

**Step 6: Match the relevant FDI, vegetation, distance and slope to determine the required APZ and Construction level**

|     |  |  |  |
|-----|--|--|--|
| FDI | <input checked="" type="checkbox"/> 100 (see Table 4, page 11) | <input type="checkbox"/> 80 (see Table 5, page 12) | <input type="checkbox"/> 50 (see Table 6, page 13) |
|-----|--|--|--|

Identify the bush fire attack level for each direction, select the highest level for the entire building and record below. Note BAL-12.5 is the lowest construction level within the scope of AS3959.

**Bush Fire Attack Level**

- |                                  |  |
|----------------------------------|--|
| <input type="checkbox"/> BAL- FZ | <input type="checkbox"/> BAL- 19             |
| <input type="checkbox"/> BAL- 40 | <input checked="" type="checkbox"/> BAL-12.5 |
| <input type="checkbox"/> BAL- 29 | <input type="checkbox"/> No requirement      |

Does your proposal meet the required construction level ☒ YES ☐ NO

**PART D****Flame Zone**

**Provide details and evidence of an alternative solution.**

*If you determine your house is located in the flame zone you may wish to seek the advice of a specialist bush fire consultant.*

**PART E****Water Supplies**

Does your property have a reticulated (piped) water supply?; If so, please provide details on the distance to the nearest fire hydrant on your site plan.

Reticulated (piped) water supply is available

☒ Yes ☐ No Distance ..... 77 ..... (m) to hydrant from house.

Do you have or do you plan to have a dedicated water supply for firefighting purposes?

☐ Yes ☒ No

| Development Type                                     | Water Requirement                  | Planned | Existing    |
|--|------------------------------------|---------|-------------|
| Residential Lots (<1,000m <sup>2</sup> )             | 5,000 l/lot                        |         |             |
| Rural-residential Lots (1,000–10,000m <sup>2</sup> ) | 10,000 l/lot                       |         | <u>1113</u> |
| Large Rural/Lifestyle Lots (>10,000m <sup>2</sup> )  | 20,000 l/lot                       |         |             |
| Dual Occupancy                                       | 2,500 l/unit                       |         |             |
| Townhouse/Unit Style (e.g. Flats)                    | 5,000 l/unit up to 20,000l maximum |         |             |

Do you have or do you plan to have a static water supply (e.g. pool, tank or dam). Include approx. size in litres and also include tank material if using a tank:

| Water supply type    | Capacity           | Construction material                                   | Planned | Existing |
|----------------------|--------------------|---|---------|----------|
| <del>e.g. pool</del> | <del>50,000l</del> | <del>Above ground rolled steel with plastic liner</del> |         |          |
| Pool                 | 47,000             | In- ground concrete existing                            |         |          |
|                      |                    |   |         |          |
|                      |                    |   |         |          |

NOTE: Check with your local council concerning their Local Environmental Plan (LEP) or their Development Control Plan (DCP) as this may dictate the type and size of tank.

**PART F****Gas Supplies****GAS**

Do you have reticulated (piped) or bottled gas?

**TYPE OF GAS**

Reticulated gas ☐ Yes ☒ No

Bottled gas ☐ Yes ☒ No



**NOTE:** When attaching development plans please ensure they clearly show location and details of electricity and gas (where relevant) on your property.



View of vegetation to the North