




Reference number 3609

Member of the Fire Protection Association of Australia

Lot 369, DP 752017, 323 McCarrs Creek Road, Terrey Hills, NSW 2084.

Monday, 20 September 2021

Prepared and certified by:	Matthew Willis <i>BPAD – Level 3 Certified Practitioner</i> Certification No: BPD-PA 09337		20/09/2021
Can this proposal comply with AS3959-2018 (inc section 7.5, 7.5.1, 7.5.2, 7.5.3, 7.5.4 (where applicable) of the Rural Fire Services document Planning for Bushfire Protection 2019)?	Yes		
What is the recommended AS 3959-2018 level of compliance?	BAL-FZ		
Is referral to the RFS required?	Yes		
Can this development comply with the requirements of PBP?	Yes		
Plans by "Gartner Trovato Architects" (Appendix 1) dated.	9/9/21		

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Bushfire Risk Assessment

Monday, 20 September 2021

Contact

Sean Gartner

Gartner Trovato Architects

PO Box 1122

Mona Vale NSW 2103

99794411

Subject Property

Lot 369, DP 752017

323 McCarrs Creek Road

Terrey Hills NSW 2084

BUSHFIRE RISK ASSESSMENT CERTIFICATE

THIS FORM IS TO BE COMPLETED BY A RECOGNISED CONSULTANT IN BUSHFIRE RISK ASSESSMENT IN ACCORDANCE WITH SECTION 79BA 1(b) OF THE ENVIRONMENTAL PLANNING AND ASSESSMENT ACT 1979 NO 203

Property Address	Lot 369, DP 752017, number 323 McCarrs Creek Road Terrey Hills
Description of the Proposal	Alterations and additions to an existing dwelling
Plan Reference	9/9/21
BAL Rating	BAL-FZ
Does the Proposal Rely on Alternate Solutions?	Yes

I, Matthew Willis of Bushfire Planning Services Pty Ltd have carried out a bushfire risk assessment on the above-mentioned proposal and property. A detailed Bushfire Assessment Report is attached which includes the submission requirements set out in Planning for Bushfire Protection 2019 together with recommendations as to how the relevant Specifications and requirements are to be achieved.

I hereby advise, in accordance with Section 4.14 of the Environmental Planning and Assessment Act 1979 No 203:

1. That I am a person recognised by the NSW Rural Fire Service as a qualified consultant in bushfire risk assessment; and
2. That subject to the recommendations contained in the attached Bushfire Risk Assessment Report the proposed development conforms to the relevant specifications and requirements*

*The relevant specifications and requirements being specifications and requirements of the document entitled Planning for Bush Fire Protection prepared by the NSW Rural Fire Service in co-operation with the Department of Planning and any other document as prescribed by Section 4.14 of the Environmental Planning and Assessment Act 1979 No 203.

I am aware that the Bushfire Assessment Report, prepared for the above-mentioned site is to be submitted in support of a development application for this site and will be relied upon by Northern Beaches Council as the basis for ensuring that the bushfire risk management aspects of the proposed development have been addressed in accordance with Planning for Bushfire Protection 2019.

REPORT REFERENCE	<i>Monday, 20 September 2021</i>
REPORT DATE	<i>Monday, 20 September 2021</i>
CERTIFICATION NO/ACCREDITED SCHEME	<i>FPAA BPAD A BPD-PA 09337</i>

Attachments:

- Bushfire Risk Assessment Report
- Recommendations

SIGNATURE: ---  ----- **DATE:** -----Monday, 20 September 2021

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1 Executive Summary.

Bushfire Planning Services has been requested by Mr Sean Gartner from Gartner Trovato Architects to supply a bushfire compliance report on lot 369, DP 752017, 323 McCarrs Creek Road, Terrey Hills.

The works proposed for the subject lot are for the alterations and additions to an existing dwelling, see attached plans for details.

The subject lot is on the eastern side of McCarrs Creek Road and at its closest point to the hazard the proposed new work has a separation distance to the east of approximately 0.9m.

The vegetation that is considered to be the hazard to this proposal is situated on land that slopes down slope away from the property at an angle of approximately 6.43°.

For the purposes of this assessment this vegetation is considered to be Forest.

The remaining vegetation within the study area is contained within the boundaries of established allotments and is managed land and of low threat to this proposal.

The calculations and assumptions outlined in this report show that the development will be required to comply with the construction requirements of AS 3959-2018 BAL-FZ on its exposed aspects, on the aspects and any additional construction requirements contained within section 7.5, 7.5.1, 7.5.2, 7.5.3, 7.5.4 (where applicable) of the Rural Fire Services document Planning for Bushfire Protection 2019.

The following table is a summary of the pertinent findings of this assessment.

Aspect	North	East	South	West
Vegetation type	Managed land	Managed land/forest	Managed land	Managed land
Slope	N/A	5-10 degrees downslope	N/A	N/A
Setback within lot 369	N/A	0.9m	N/A	N/A
Setback outside lot 369	N/A	0m	N/A	N/A
Total setback	N/A	0.9m	N/A	N/A
Bal level	N/A	BAL-FZ	N/A	N/A

Note: The above table is a summary of the significant variables used to determine the highest BAL for this proposal. THIS TABLE IS NOT INTENDED FOR CONSTRUCTION! Only the highest BAL level is shown, aspects marked as N/A will still have a BAL. Refer to section 11 for construction requirements for these other aspects.

2 General.

This proposal relates to the alterations and additions to an existing dwelling on the subject lot and its ability to comply with the rules and regulations for building in a bushfire prone area.

The methodology used on this report is based on Planning for Bushfire Protection 2019 (PBP) as published by the New South Wales Rural Fire Service.

Any wording that appears in *blue italics* is quotes from Planning for Bushfire Protection 2019. Some of the measurements used in this report have been taken from aerial photographs and as such are approximate only.

3 Block Description.

The subject block is situated on the eastern side of McCarrs Creek Road in an established area of Terrey Hills.

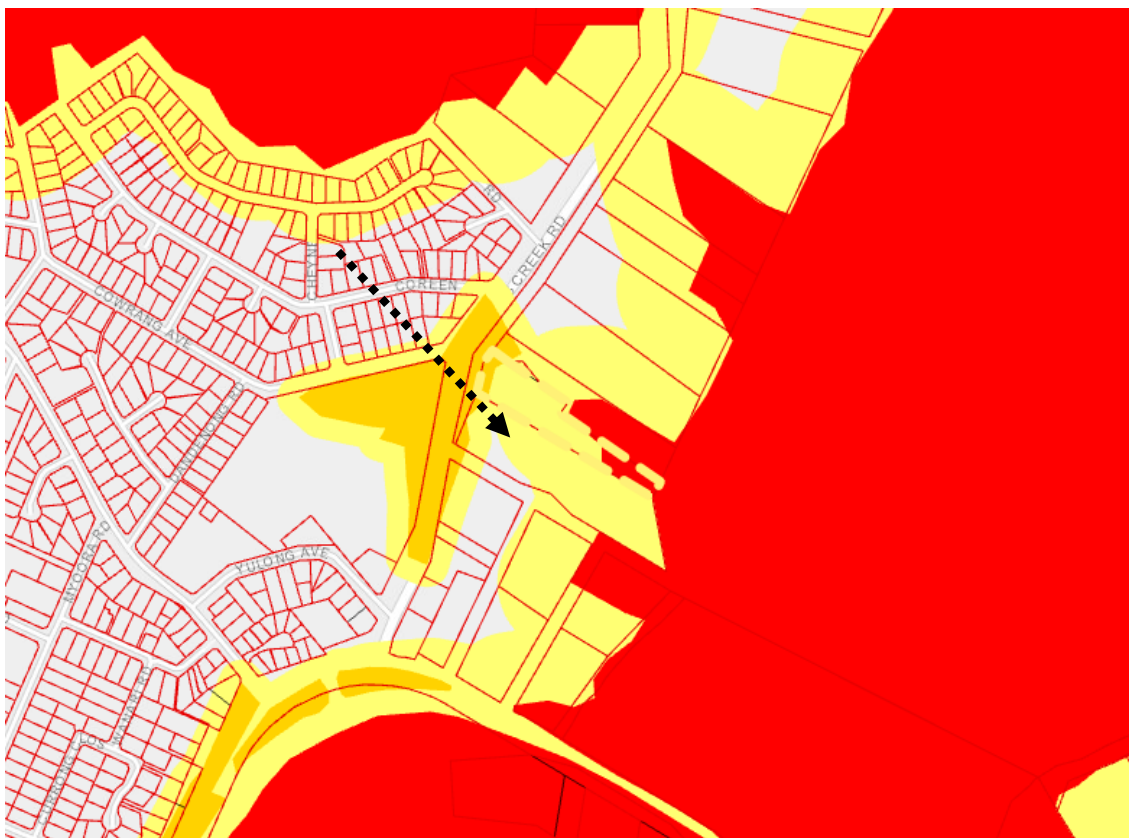
The lot currently contains a class 1 dwelling and other class 10 structures.

- Lot; 369
- DP; 752017.
- LGA; Northern Beaches.
- Area; 11962.8m².
- Address; 323 McCarrs Creek Road, Terrey Hills.

This section has been left blank.



Map 1 shows the cadastral layout around the subject lot.



Map 2 is an extract from the councils' bushfire prone land map. The map shows lot 369 to both contain and to be within the buffer zone of category 1 and 2 bushfire vegetation.

4 Vegetation.

The study area for the vegetation is 140m surrounding the subject block.

The vegetation within the study area for this development is considered to be largely managed land.

The major potential hazard to this development is the vegetation within an area of undeveloped land to the east.

For the purpose of this assessment and compliance with Planning for Bushfire Protection this area of undeveloped land is considered to be Forest and is the hazard to this proposal.



Photo 1 - An overview of the vegetation within the general area.

This area has been left intentionally blank.



Photo 2 is a closer view of the vegetation in the area.

Table 1 outlines the vegetation orientation and distance from the development area.

Aspect	North	East	South	West
Vegetation type	Managed land	Managed land/forest	Managed land	Managed land
Setback within lot 369	N/A	0.9m	N/A	N/A
Off-site setback	N/A	0m	N/A	N/A
Total setback	N/A	0.9m	N/A	N/A

Table 1 - Any aspect marked with "N/A" in the table above indicates that it is considered there is none or only a secondary hazard in that direction.

This area has been left intentionally blank.

5 Known constraints on subject block.

I have not been informed or know of any places of cultural or environmental significance within the boundaries of the subject block. Given the nature of the surrounding land it is considered highly unlikely that anything of significance will be affected by this development.

6 Slope.

The slope of the land beneath the hazard that is most likely to influence bushfire behaviour has been calculated by topographical map analysis to a distance of 100m from the subject lot.

An extract of the topographical map for the area is shown below and the relevant slope analysis is shown in Table 2.

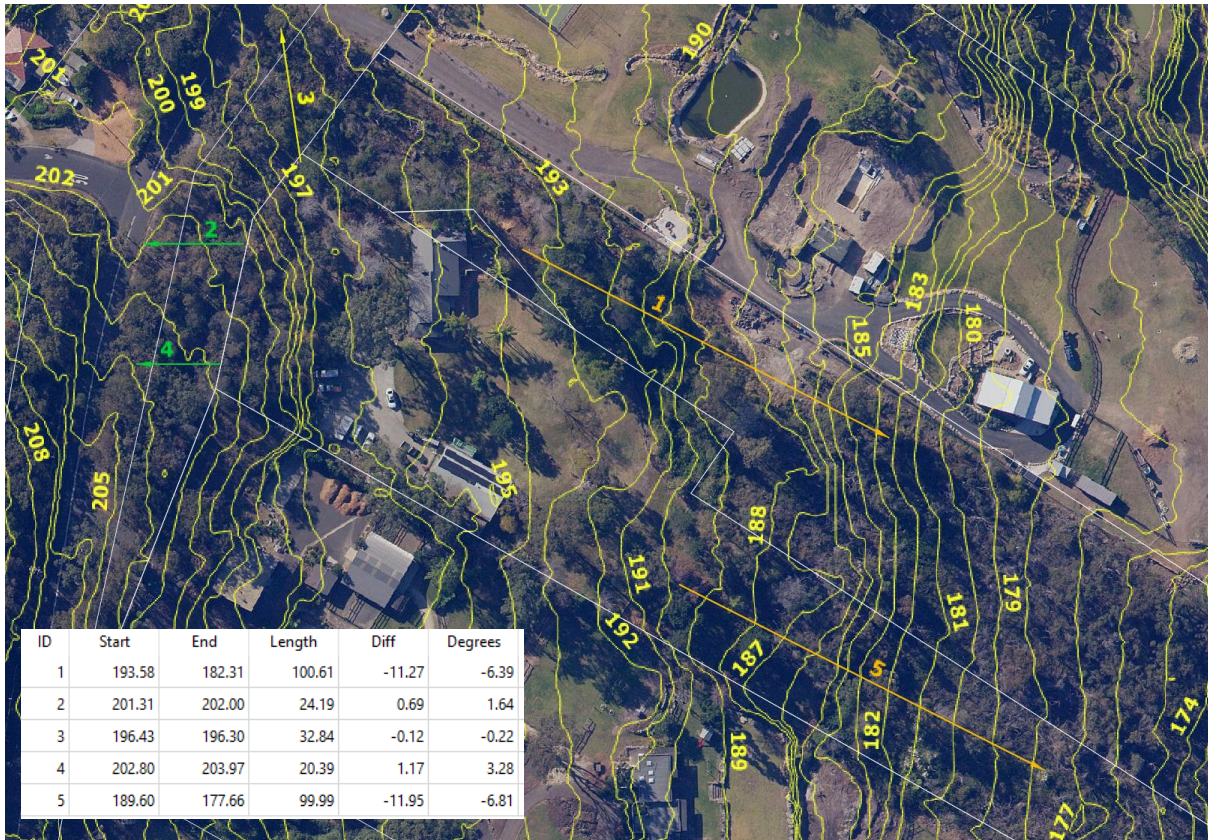


Table 2 shows the slope beneath the hazard.

Aspect	North	East	South	West
Slope	N/A	5-10 degrees downslope	N/A	N/A

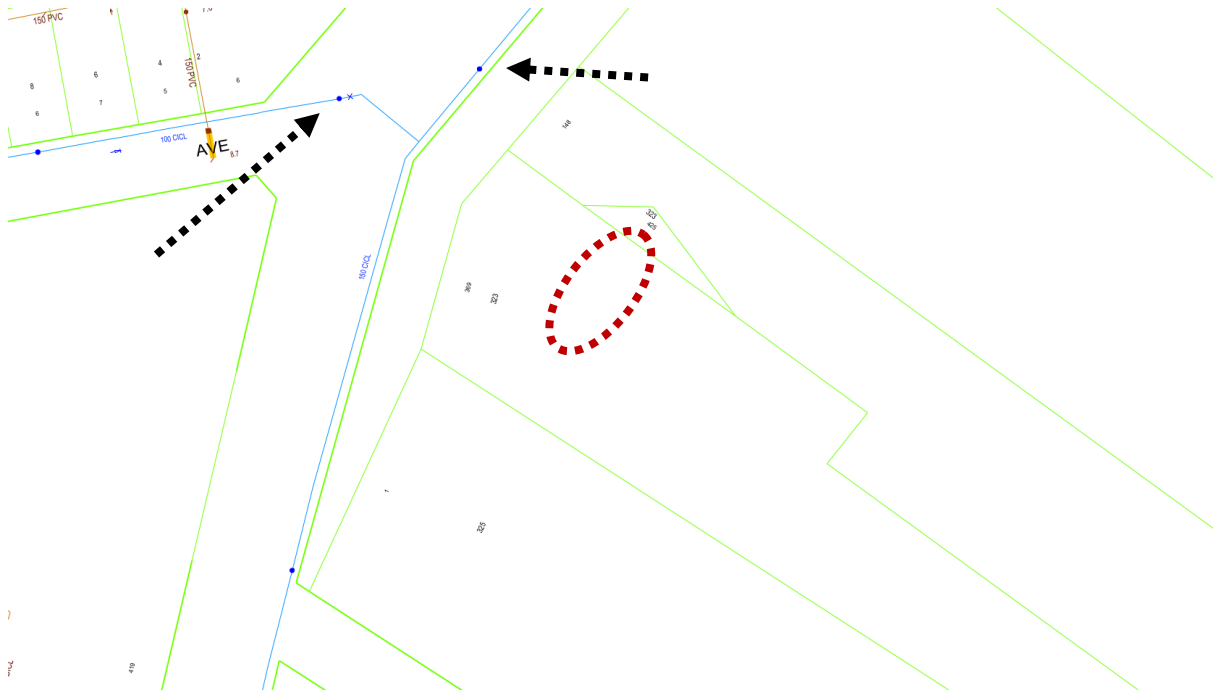
Table 2 - Any aspect marked with "N/A" in the table above indicates that it is considered there is no hazard in that direction.

7 Utilities.

7.1 Water.

The subject block will be serviced by a reticulated water supply.

The following map is an extract from Sydney waters hydrant map. Hydrants are indicated by a blue dot on a blue line. As can be seen there is at least one hydrant point indicated within close proximity of the property.



7.2 Electricity

Main's electricity is available to the block.

7.3 Gas

It is unknown if either bottled or mains gas is to be altered or installed in this proposal.

8 Access/Egress.

Access to the development site will be via a short private driveway from McCarrs Creek Road.

All roads in the vicinity are considered to be capable of carrying emergency services vehicles and pedestrian access onto the lot is also considered to be adequate.

Analysis of development and recommendation.

9 Compliance with Planning for Bushfire Protection setbacks.

Based on the development design, vegetation classification, effective slope estimates and setback distance already outlined in this report the subject development will be required to comply with the deemed to satisfy construction requirements of AS 3959-2018 BAL-FZ and the RFS requirements on all fire prone aspects.

The following table is an extract from table A1.12.5 of Planning for Bushfire Protection 2019. This table is used to calculate the BAL for a proposal in an area with an FDI of 100.

The variables that have already been outlined in this assessment are highlighted in red with the highest BAL highlighted in yellow.

	Keith Vegetation Formation	BUSHFIRE ATTACK LEVEL (BAL)				
		BAL-FZ	BAL-40	BAL-29	BAL-19	BAL-12.5
5-10 DEGREES DOWNSLOPE	Arid-Shrublands (acacia and chenopod)	< 6	6 -< 8	8 -< 12	12 -< 18	18 -< 100
	Forest (wet and dry sclerophyll) including Coastal Swamp Forest, Pine Plantations and Sub-Alpine Woodland	< 28	28 -< 36	36 -< 49	49 -< 65	65 -< 100
	Forested Wetland (excluding Coastal Swamp Forest)	< 12	12 -< 16	16 -< 23	23 -< 33	33 -< 100
	Freshwater Wetlands	< 5	5 -< 6	6 -< 10	10 -< 14	14 -< 100
	Grassland	< 10	10 -< 13	13 -< 20	20 -< 28	28 -< 50
	Grassy and Semi-Arid Woodland (including Mallee)	< 15	15 -< 20	20 -< 28	28 -< 39	39 -< 100
	Rainforest	< 14	14 -< 18	18 -< 26	26 -< 37	37 -< 100
	Short Heath	< 9	9 -< 12	12 -< 18	18 -< 25	25 -< 100
	Tall Heath	< 15	15 -< 20	20 -< 29	29 -< 40	40 -< 100

For the purpose of this assessment the eastern aspect has been chosen as the most potentially hazardous aspect due to the effective slope, potential run of fire and the prevailing fire weather of the area.

10 Siting.

The current site provides adequate separation between the proposed building and surrounding vegetation for a compliant structure to be built.

Recommendation;

Nil.

11 Construction and design.

All new work is to be undertaken in accordance with the relevant requirements of the NCC and AS3959 2018. The following recommendations are a minimum level of construction. Constructing the proposal to a higher level than that recommended is allowable under AS3959.

Recommendation; all new work to the house and attached structures.

1. New construction shall comply with the requirements of section 3 of Australian Standard AS3959-2018 "Construction of buildings in bush fire-prone areas" and,
2. New construction shall also comply with the requirements of BAL-FZ Australian Standard AS3959-2018 "Construction of buildings in bush fire-prone areas" or NASH Standard "National Standard Steel Framed Construction in Bushfire Areas" and any additional construction requirements contained within section 7.5, 7.5.1, 7.5.2, 7.5.3, 7.5.4 (where applicable) of the Rural Fire Services document Planning for Bushfire Protection 2019.
3. New roofing valleys and guttering should be fitted with a non-combustible leaf protection to stop the accumulation of debris.

Recommendation; all new work to class 10 buildings greater than 6m from a dwelling.

4. AS 3959 construction requirements are not considered to apply to class 10 structures that are situated more than 6m from a dwelling.

Although AS3959 considers that no specific construction requirements need to be applied to this proposal some risk from bushfire still exists. The subject lot is in an area that may be affected by a fire in the larger, surrounding area which could be expected to cause smoke, radiant heat and burning embers to affect this property.

It would be prudent to consider constructing the building to at least an AS3959 2018 BAL-29 construction standard which will give an enhanced level of protection for a building.

The application of this additional construction level should be at the discretion of the owner.

AS-3959 2018 is available as PDF from;

https://infostore.saiglobal.com/en-au/standards/as-3959-2018-122340_saig_as_as_2685241/

12 Utilities.

12.1 Water.

The proposed development will have access to a reticulated water supply. There is at least one hydrant indicated within the required distance from the dwelling.

Recommendation;

Nil.

12.2 Electricity and Gas.

Recommendation;

5. Any new electricity or gas connections are to comply with the requirements of table 7.4a of Planning for Bushfire Protection.

13 Asset Protection Zone (APZ).

The Asset Protection Zone is *“An area surrounding a development managed to reduce the bushfire hazard to an acceptable level. The width of an APZ will vary with slope, vegetation and construction level”*.

Recommendation;

6. At the commencement of building works and in perpetuity the area surrounding the new works is to be managed as defendable space¹ for a distance of at least 10m or, if 10m is not achievable due to the proximity of a property boundary, to the property boundary.

14 Landscaping.

Recommendation;

7. Any new fencing is to be constructed in accordance with section 7.6 of Planning for Bushfire Protection 2019.
8. Any new landscaping to the site is to comply with the principles of Appendix 4 and section 3.7 of Planning for Bush Fire Protection 2019. In this regard the following landscaping principles are, where applicable, to be incorporated into the development²:
 - Suitable impervious areas being provided immediately surrounding the building such as courtyards, paths and driveways;
 - Grassed areas/mowed lawns/ or ground cover plantings being provided in close proximity to the building;
 - Restrict planting in the immediate vicinity of the building which may over time and if not properly maintained come in contact with the building;
 - Maximum tree cover should be less than 30%, and maximum shrub cover less than 20%;

¹ See section 3.2.4 of Planning for Bushfire Protection 2019,

² Refer to referenced documents for a complete description.

- Planting should not provide a continuous canopy to the building (i.e. trees or shrubs should be isolated or located in small clusters);
- When considering landscape species consideration needs to be given to estimated size of the plant at maturity;
- 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 timber garden furniture way from the building; and
- Use of low flammability vegetation species.

15 Constraints on the subject block.

None known.

Recommendation;

Nil

16 Access/Egress.

All roads in the area are considered to be capable of handling emergency service vehicles. Access from the roadway onto the property is also considered to be adequate for firefighting purposes.

Recommendation

Nil

17 Compliance or non compliance with the specifications and requirements for bushfire protection measures.

<p>APZ A defendable space is provided onsite. An APZ is provided and maintained for the life of the development.</p>	<p>Achievable with the implementation of the recommendations in section 13</p>
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<p>SITING AND DESIGN: Buildings are sited and designed to minimise the risk of bush fire attack.</p>	<p>Achievable with the implementation of the recommendations in section 10</p>
<p>CONSTRUCTION STANDARDS: It is demonstrated that the proposed building can withstand bush fire attack in the form of wind, smoke, embers, radiant heat and flame contact.</p>	<p>Achievable with the implementation of the recommendations in section 11</p>
<p>ACCESS Safe, operational access is provided (and maintained) for emergency services personnel in suppressing a bush fire while residents are seeking to relocate, in advance of a bush fire, (satisfying the intent and performance criteria for access roads in sections 4.1.3 and 4.2.7).</p>	<p>Achievable with the implementation of the recommendations in section 16</p>
<p>WATER AND UTILITY SERVICES:</p> <ul style="list-style-type: none"> • adequate water and electricity services are provided for firefighting operations • Gas and electricity services are located so as not to contribute to the risk of fire to a building. 	<p>Achievable with the implementation of the recommendations in section 12</p>
<p>LANDSCAPING:</p> <ul style="list-style-type: none"> • it is designed and managed to minimise flame contact and radiant heat to buildings, and the potential for wind driven embers to cause Ignitions. 	<p>Achievable with the implementation of the recommendations in section 14</p>

18 Conclusions.

Based on the above report and with the implementation of the recommendation contained within this report the consent authority should determine that this development can comply with the requirements of AS 3959-2018 and 'Planning for Bushfire Protection' guidelines.

The recommendations contained within this report are to be implemented in their entirety. Changing one aspect may have an adverse effect on the rest of the recommendations.

Bushfires are affected by many external influences such as climactic conditions, vegetation type, moisture content of the fuel, slope of the land and human intervention to name a few and are difficult to predict.

This report does not intend to provide a guarantee that the subject property will survive if a bushfire should impact the surrounding area. The purpose of this report is to show the developments level of compliance or in some cases non-compliance with the New South Wales legislation regarding building in bushfire prone areas.

Where non-compliance is found measures will be suggested that should make the building less susceptible to the various attack mechanisms of a bushfire and comply with the performance requirements of the Building Code of Australia.

The opinions expressed in this report are based on the writers' experience and interpretation of the relevant guidelines and standards. Notwithstanding the above, these guidelines and standards are open to interpretation. All care has been taken to ensure that the opinions expressed in this report are consistent with past successful outcomes.

Some of the information used in the compilation of this assessment has been provided by the proponent or the proponent's representatives. While we believe this information to be true and have accepted the information in good faith however this company or its representatives will not accept any responsibility if the provided information is determined to be incorrect.

This document is to assist the consenting authorities with their assessment of this proposal. The recommendations contained in this assessment reflect the normal conditions that are typically applied by the consent authority for a proposal such as this however the conditions of consent for the proposal will be supplied by the certifying authority on approval of the development and may not necessarily be the same as the recommendations of this assessment.

The recommendations in this assessment are for planning guidance only, construction details and compliance with all building requirements are the responsibility of the Architect/Designer, Builder and Certifier.

To avoid confusion, unless specifically referenced by the consenting authority, it is strongly recommended that once this proposal has been approved that this document is no longer referenced and that only the official conditions of consent as reflected in documentation by the certifying body are used for construction guidance.

If any further clarification is required for this report, please do not hesitate to contact me using the details above.

Yours Sincerely



Matthew Willis

Grad Dip Planning for Bushfire Prone Areas

Bushfire Planning Services Pty Limited

19 References.

- *Australian Building Codes Board (2019). National Construction Code Volume One - Building Code of Australia. ABCB*
- *Australian Building Codes Board (2019). National Construction Code Volume two - Building Code of Australia. ABCB.*
- *Keith, D.A. (2004). Ocean Shores to Desert Dunes: The Native Vegetation of New South Wales and the ACT. NSW Department of Environment and Conservation.*
- *National Association of Steel Framed Housing (2014). "Steel Framed Construction in Bush Fire Areas. NASH*
- *Ramsay, C and Rudolph, L (2003) "Landscape and Building Design for Bush fire Areas". CSIRO Publishing, Collingwood.*
- *Resources and Energy NSW (2016). ISSC 3 Guide for the Managing Vegetation in the Vicinity of Electrical Assets. NSW Government*
- *Rural Fire Service NSW (2005) "Standards for Asset Protection Zones"*
- *Standards Australia (2018). "AS 3959, Construction of buildings in bush fire prone areas".*
- *Standards Australia (2018). "AS/NZS 1530.8.1 Methods for fire tests on building materials, components and structures - Tests on elements of construction for buildings exposed to simulated bush fire attack - Radiant heat and small flaming sources".*
- *Standards Australia (2018). "AS/NZS 1530.8.2 Methods for fire tests on building materials, components and structures - Tests on elements of construction for buildings exposed to simulated bush fire attack - Large flaming sources".*
- *Standards Australia (2014). "AS/NZS 1596 The storage and handling of LP Gas".*

20 Appendix 1 - Plans .

DEVELOPMENT APPLICATION ALTERATIONS AND ADDITIONS 323 McCARRS CREEK ROAD, TERREY HILLS

DRAWING LIST	
DWG No:	DESCRIPTION
A00	COVER SHEET
A01	SITE PLAN/ SITE ANALYSIS
A02	GROUND FLOOR PLAN
A03	FIRST FLOOR PLAN
A04	ELEVATIONS - MATERIALS
A05	SECTIONS



Aerial Front



Aerial Rear



View of Front from West



GARTNEROVATO
ARCHITECTS

111/113
MILLERS ROAD
MILLERS POINT
NSW 2168

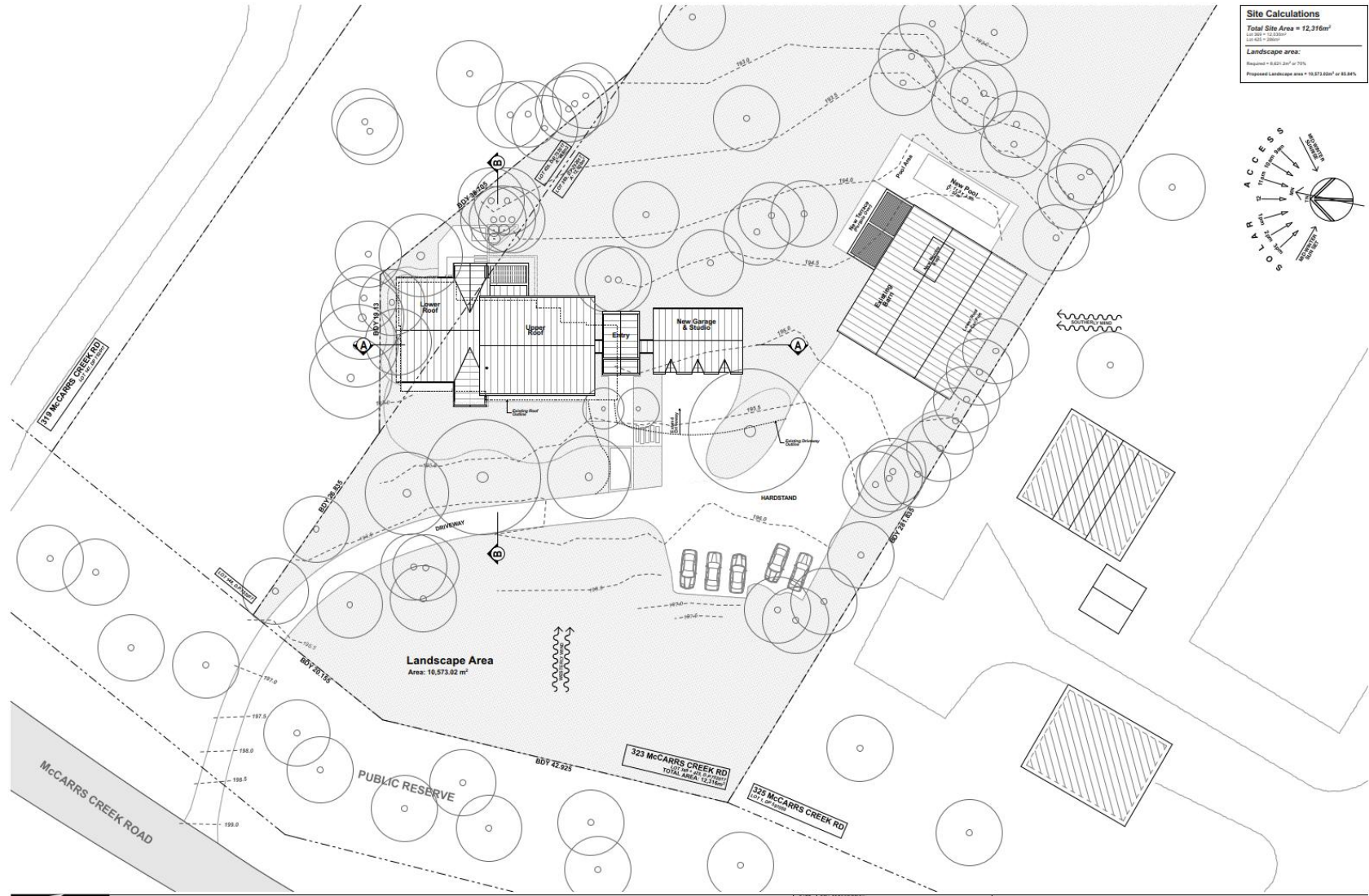
DATE	REV	DESCRIPTION

PROJECT
ALTERATIONS AND ADDITIONS
40 BASSETT STREET, MCNA VALE
LOT 26, SECT 6, DP 8195
FOR PAUL MCKENNA

DRAWING TITLE
COVER SHEET
PROJECT NO.
2155
SCALE
1:1 @ A1

DRAWN BY
SIG / AB
DRAWING NO.
A.00

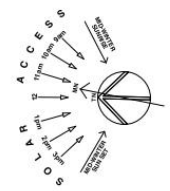
PLOT DATE
9/5/21
REVISION
A



Site Calculations

Total Site Area = 12,316m²
 Lot 365 = 10,200m²
 Lot 421 = 2000m²

Landscape area:
 Required = 0.841 x 2000 = 1682m²
 Proposed Landscape area = 10,573.02m² or 85.84%



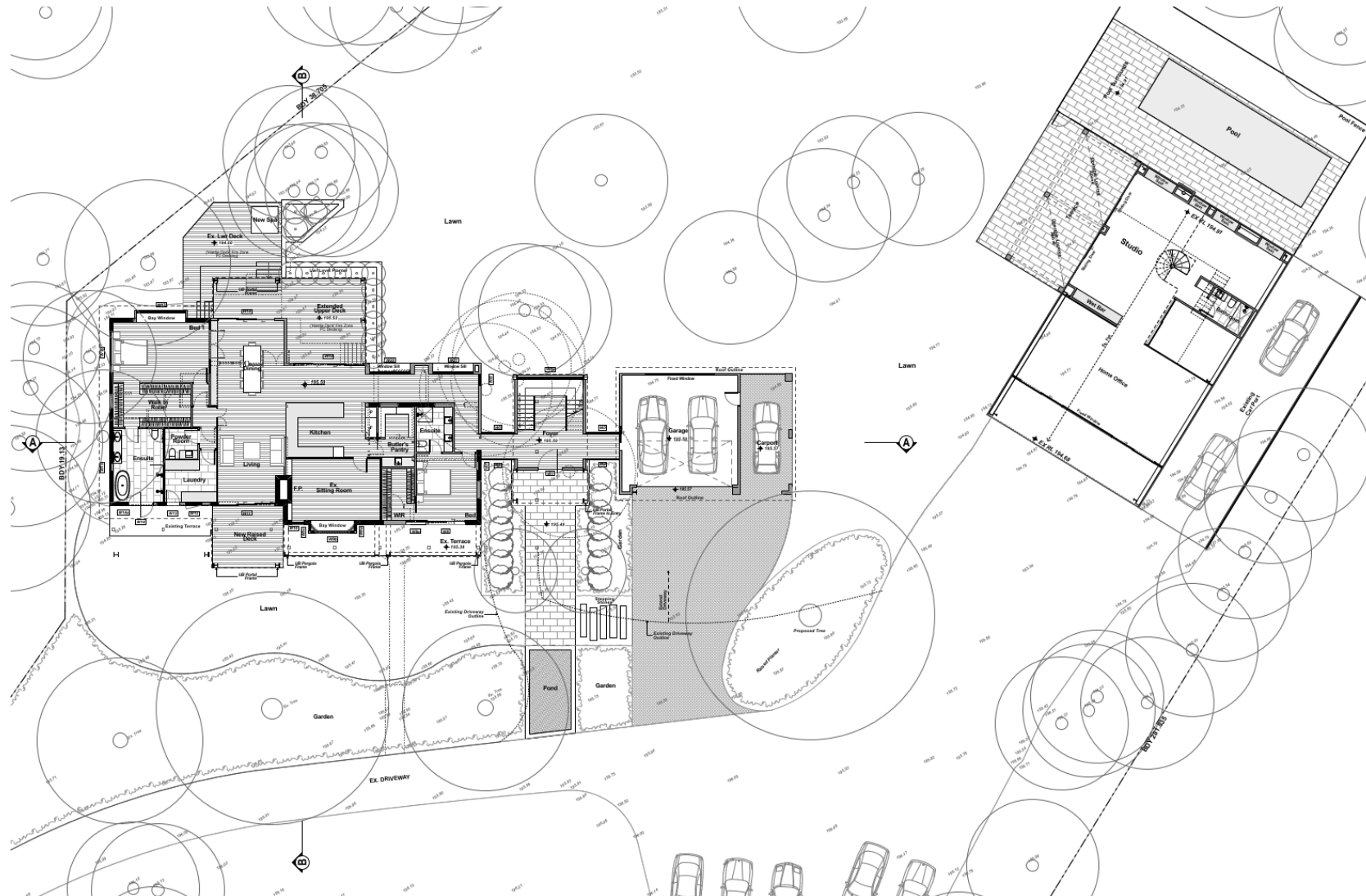
GARTNERTROVATO
ARCHITECTS

117 THORNTON PLACE
 1/117 THORNTON PLACE
 P.O. BOX 1112
 MERRILLDALE NSW 2106
 TEL: 0 2 9979 8011
 EMAIL: gartnertrovato.com.au



DATE	BY	DESCRIPTION
2024	A	ISS

PROJECT	DRAWING TITLE
ALTERATIONS AND ADDITIONS 323 McCARRIS CREEK RD, TERREY HILLS LOT 365, DP 752017	SITE PLAN / SITE ANALYSIS
FOR PAUL McKENNA	DRAWN BY SGJ / AB
	SCALE 1:200 @ A1
	PROJECT NO. 2108
	DRAWING NO. A.01
	PLOT DATE 9/2/21
	REVISION A



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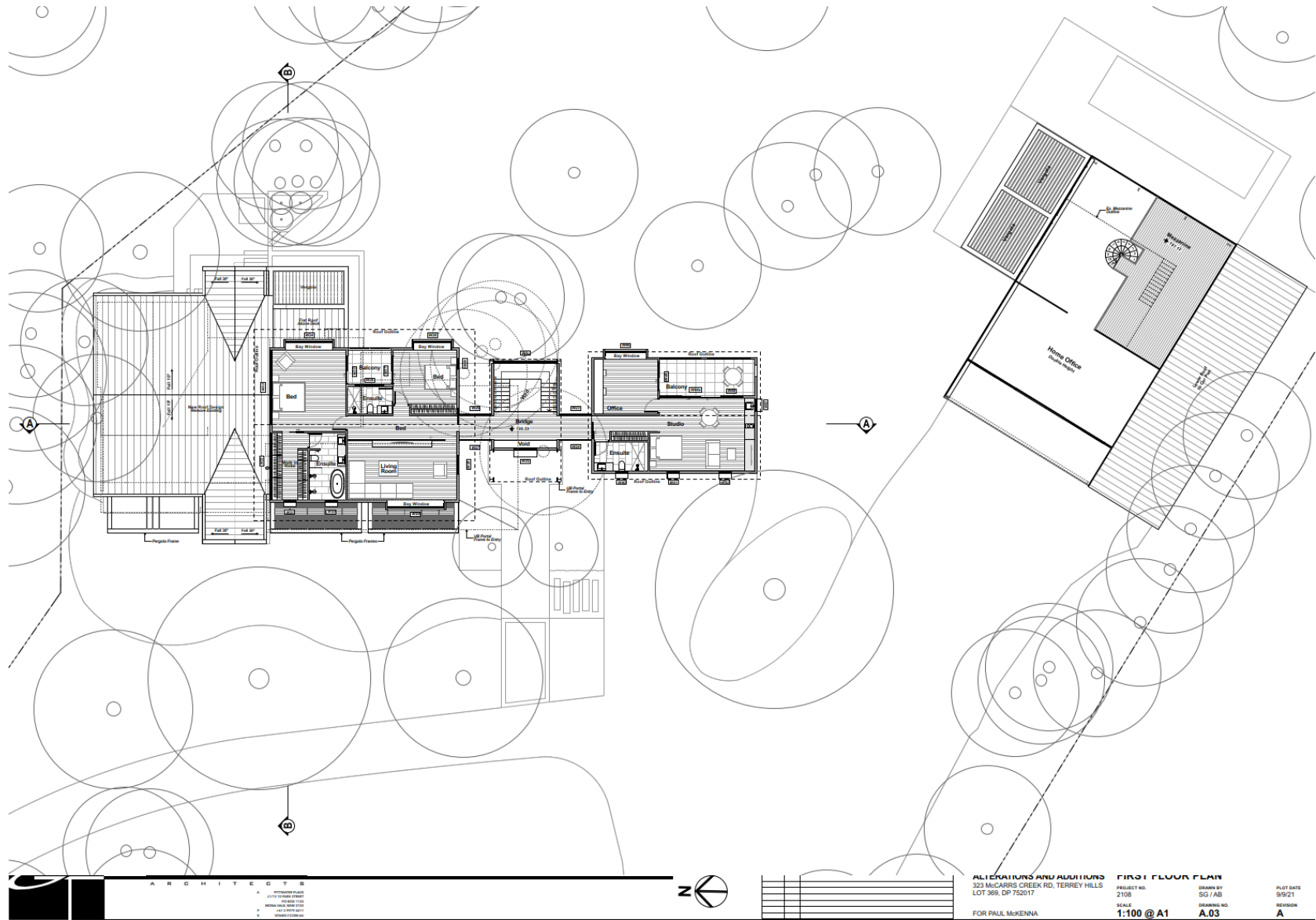


DATE	REV	DESCRIPTION
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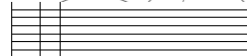
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ALTERATIONS AND ADDITIONS
 323 MCCARRS CREEK RD, TERREY HILLS
 LOT 969, DP 752017
 FOR PAUL McKENNA

DRAWING TITLE
GROUND FLOOR PLAN
 PROJECT NO.
 2108
 SCALE
1:100 @ A1
 DRAWN BY
 SGI / JAB
 DRAWING NO.
A.02

PLOT DATE
 9/10/21
 REVISION
A



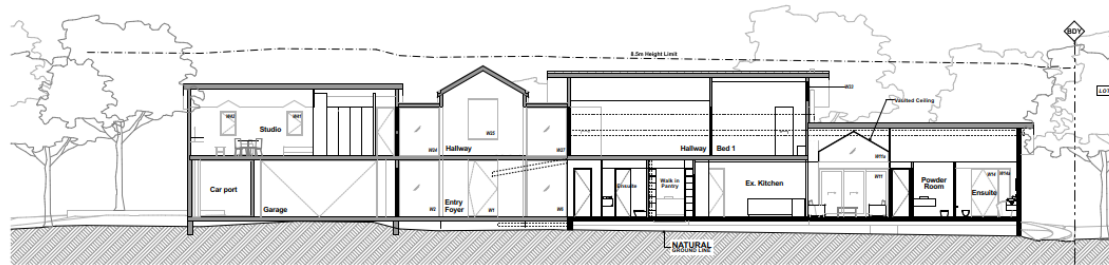
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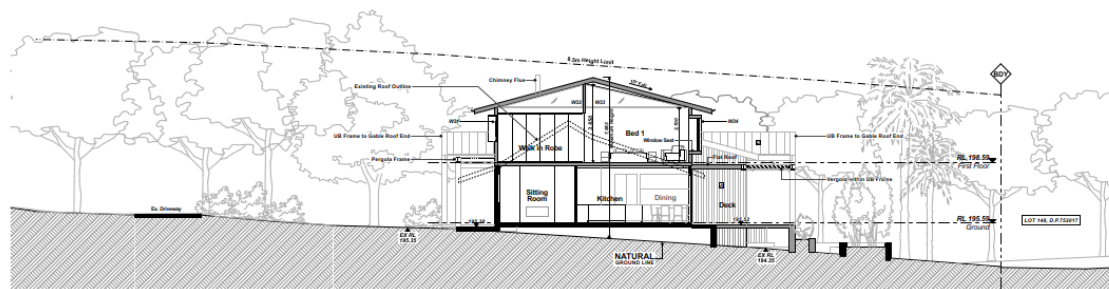
ALTERATIONS AND ADDITIONS
 323 MCCARRS CREEK RD, TERREY HILLS
 LOT 369, DP 752017
 FOR PAUL MCKENNA

FIRST FLOOR PLAN
 PROJECT NO.
 2108
 SCALE
 1:100 @ A1
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 SG / JAB
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 A.03

PLOT DATE
 0/0/21
 REVISION
 A



SECTION A

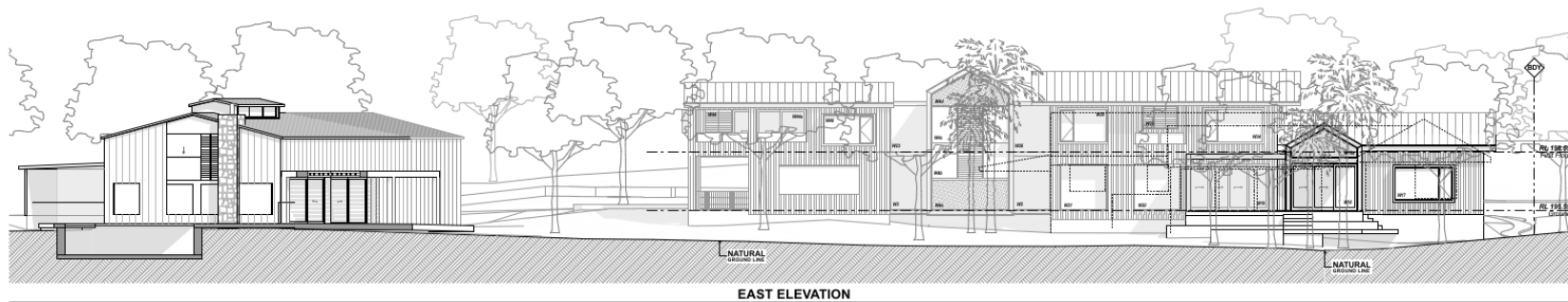
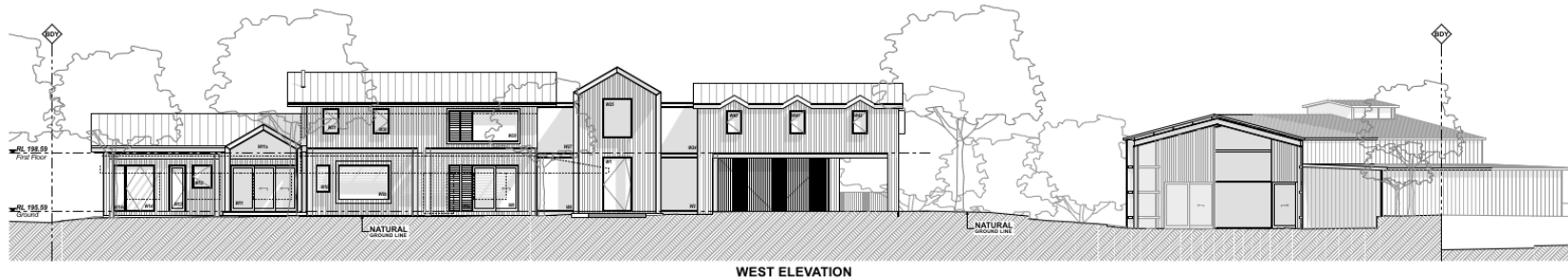
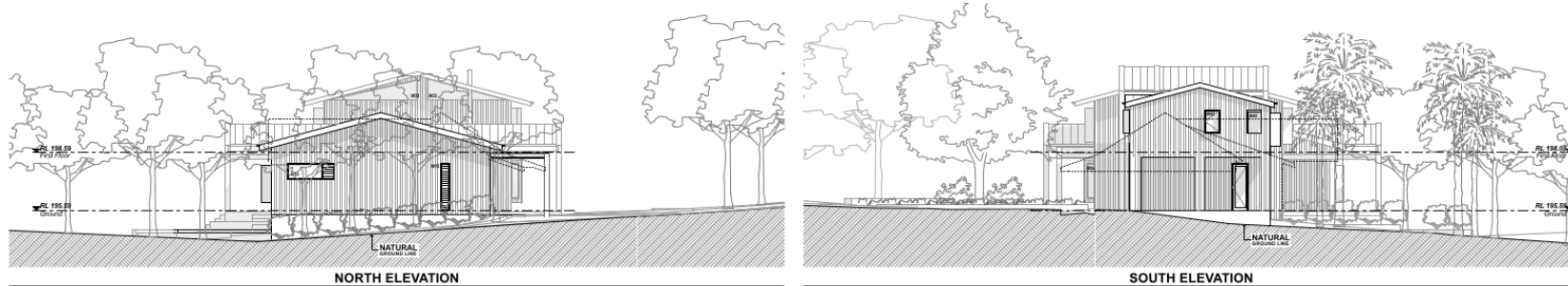


SECTION B

WINDOW SCHEDULE

No.	Width	Height	Sill	Area
W1	2.000	2.000	0	4.000
W2	2.000	2.000	0	4.000
W3	2.000	2.000	0	4.000
W4	2.000	2.000	0	4.000
W5	2.000	1.800	0	3.600
W6	2.000	1.800	1.665	3.530
W7	2.000	2.000	0	4.000
W8	2.000	2.000	0	4.000
W9	2.000	2.000	0	4.000
W10	2.000	2.000	0	4.000
W11	2.000	2.000	0	4.000
W12	2.000	2.000	0	4.000
W13	2.000	2.000	0	4.000
W14	2.000	2.000	0	4.000
W15	2.000	2.000	0	4.000
W16	2.000	2.000	0	4.000
W17	2.000	2.000	0	4.000
W18	2.000	2.000	0	4.000
W19	2.000	2.000	0	4.000
W20	2.000	2.000	0	4.000
W21	2.000	2.000	0	4.000
W22	2.000	2.000	0	4.000
W23	2.000	2.000	0	4.000
W24	2.000	2.000	0	4.000
W25	2.000	2.000	0	4.000
W26	2.000	2.000	0	4.000
W27	2.000	2.000	0	4.000
W28	2.000	2.000	0	4.000
W29	2.000	2.000	0	4.000
W30	2.000	2.000	0	4.000
W31	2.000	2.000	0	4.000
W32	2.000	2.000	0	4.000
W33	2.000	2.000	0	4.000
W34	2.000	2.000	0	4.000
W35	2.000	2.000	0	4.000
W36	2.000	2.000	0	4.000
W37	2.000	2.000	0	4.000
W38	2.000	2.000	0	4.000
W39	2.000	2.000	0	4.000
W40	2.000	2.000	0	4.000
W41	2.000	2.000	0	4.000
W42	2.000	2.000	0	4.000
W43	2.000	2.000	0	4.000
W44	2.000	2.000	0	4.000
W45	2.000	2.000	0	4.000
W46	2.000	2.000	0	4.000
W47	2.000	2.000	0	4.000
W48	2.000	2.000	0	4.000
W49	2.000	2.000	0	4.000
W50	2.000	2.000	0	4.000
W51	2.000	2.000	0	4.000
W52	2.000	2.000	0	4.000
W53	2.000	2.000	0	4.000
W54	2.000	2.000	0	4.000
W55	2.000	2.000	0	4.000
W56	2.000	2.000	0	4.000
W57	2.000	2.000	0	4.000
W58	2.000	2.000	0	4.000
W59	2.000	2.000	0	4.000
W60	2.000	2.000	0	4.000
W61	2.000	2.000	0	4.000
W62	2.000	2.000	0	4.000
W63	2.000	2.000	0	4.000
W64	2.000	2.000	0	4.000
W65	2.000	2.000	0	4.000
W66	2.000	2.000	0	4.000
W67	2.000	2.000	0	4.000
W68	2.000	2.000	0	4.000
W69	2.000	2.000	0	4.000
W70	2.000	2.000	0	4.000
W71	2.000	2.000	0	4.000
W72	2.000	2.000	0	4.000
W73	2.000	2.000	0	4.000
W74	2.000	2.000	0	4.000
W75	2.000	2.000	0	4.000
W76	2.000	2.000	0	4.000
W77	2.000	2.000	0	4.000
W78	2.000	2.000	0	4.000
W79	2.000	2.000	0	4.000
W80	2.000	2.000	0	4.000
W81	2.000	2.000	0	4.000
W82	2.000	2.000	0	4.000
W83	2.000	2.000	0	4.000
W84	2.000	2.000	0	4.000
W85	2.000	2.000	0	4.000
W86	2.000	2.000	0	4.000
W87	2.000	2.000	0	4.000
W88	2.000	2.000	0	4.000
W89	2.000	2.000	0	4.000
W90	2.000	2.000	0	4.000
W91	2.000	2.000	0	4.000
W92	2.000	2.000	0	4.000
W93	2.000	2.000	0	4.000
W94	2.000	2.000	0	4.000
W95	2.000	2.000	0	4.000
W96	2.000	2.000	0	4.000
W97	2.000	2.000	0	4.000
W98	2.000	2.000	0	4.000
W99	2.000	2.000	0	4.000
W100	2.000	2.000	0	4.000





EXTERIOR FINISHES LEGEND

- WEATHERBOARDS FC, DARK PAINT FINISH
- COLOURED CLADDING, GREY PAINT FINISH
- CONCRETE
- METAL ROOFING, W/D GREY



DATE	REV	DESCRIPTION
	A	ISS

PROJECT		DRAWING TITLE	
ALTERATIONS AND ADDITIONS		ELEVATIONS + MATERIALS	
40 BASSETT STREET, MCNA VALE		PROJECT NO.	DRAWN BY
LOT 26, SECT E, DP 6195		2108	SG / JAB
FOR PAUL MCKENNA		SCALE	REVISION
		1:100 @ A1	A.04
			A