

COHEN & ASSOCIATES P/L

LAND & AERIAL SURVEYORS

ABN 70 689 298 535 103 CAMERON STREET

PO BOX 990 LAUNCESTON 7250 TAS TELEPHONE : 03 6331 4633 www.surveyingtas.com.au ENAIL: admin@surveyingtas.com.au

PLAN OF SUBDIVISION

SHEET 1 OF 1

REF:

12-5-2017

220-46 (7209)

Municipality: LAUNCESTON CITY COUNCIL

Site Address:

21 WAVERLEY ROAD, WAVERLEY

Tasmap Sheet:

LAUNCESTON (5041-44)

Grid Reference:

E: 514917 N: 5413069 (MGA)

Owners:

J. S. CHILD

Title Refs:

Dates:

Scale:

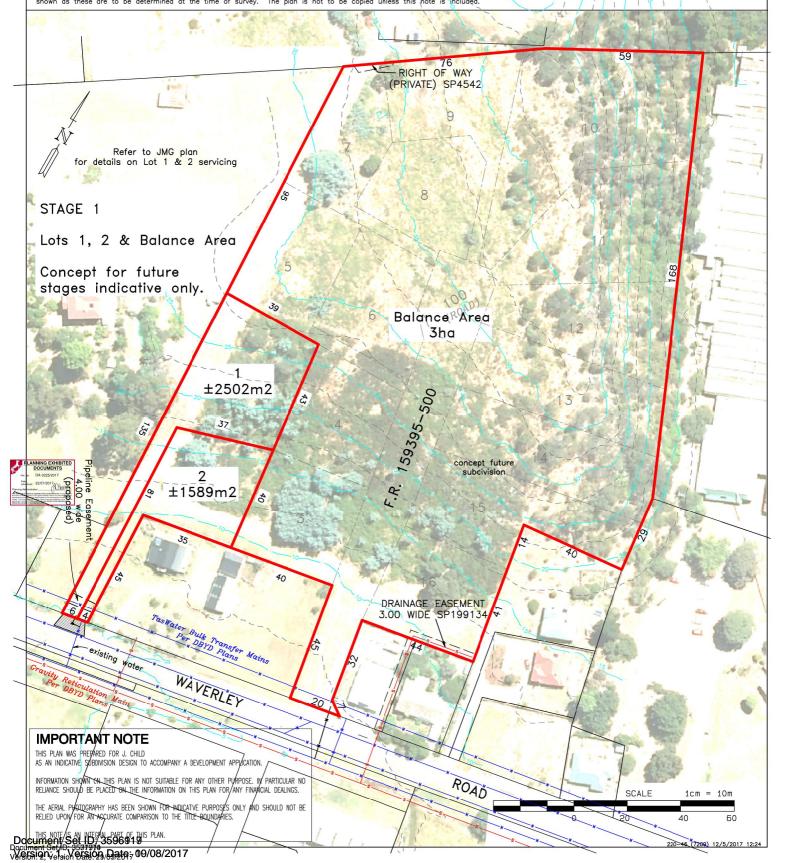
159395-500

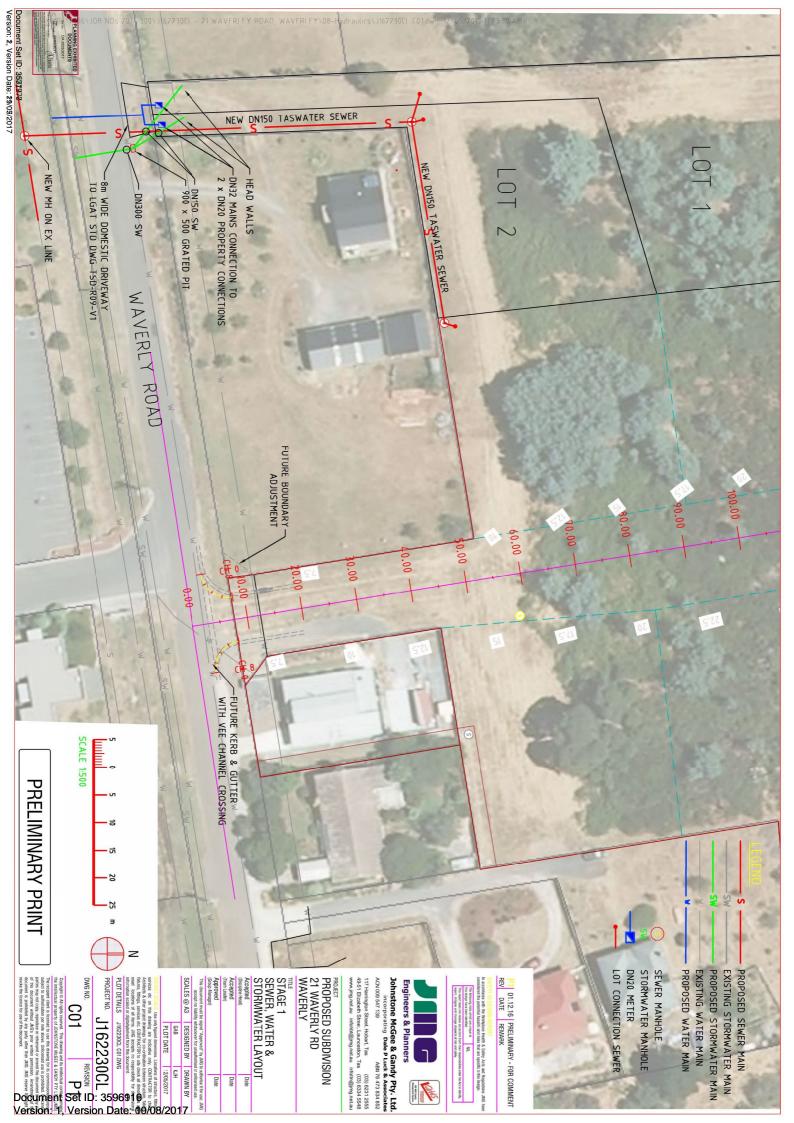
Version A: Version B:

Version C:

1 : 1000 @ A3

DISCLAIMER: This is a preliminary plan prepared without field survey and forms part of an application to subdivide the land described and is not to be used for any other purpose. Contours and levels may be transcribed from other sources and their accuracy has not been verified. These should not be used. The dimensions, area, location of improvements and number of lots are approximate and may vary as a result of decisions by the Municipality, Land Use Planning Review Panel, engineering or other advice. Easements may not be shown as these are to be determined at the time of survey. The plan is not to be copied unless this note is included.





CODE E1 – BUSHFIRE-PRONE AREAS CODE

CERTIFICATE¹ UNDER S51(2)(d) LAND USE PLANNING AND APPROVALS ACT 1993

1. Land to which certificate appli	es ²		
Land that <u>is</u> the Use or Development Site that is relied upon for bushfire hazard management or protection.			
Name of planning scheme or instrument:	Launceston Interim Planning Scheme 2015		
Street address:	21 Waverley Road, Waverley		
Certificate of Title / PID:	FR 159359-500		
Land that <u>is not</u> the Use or Developme management or protection.	ent Site that is relied upon for bushfire hazard		
Street address:			
Certificate of Title / PID:			
2. Proposed Use or Development	t		
Description of Use or Development:			
Description of Use or Development: (Provide a brief description of the proposed use or develop	ment; including details of scale, siting and context.)		
	ment; including details of scale, siting and context.)		
	ment; including details of scale, siting and context.)		
	ment; including details of scale, siting and context.)		
	ment; including details of scale, siting and context.)		
(Provide a brief description of the proposed use or develop	ment; including details of scale, siting and context.) □ E1.5.1 Vulnerable Use		
(Provide a brief description of the proposed use or develop Code Clauses ³ :			

² If the certificate relates to bushfire management or protection measures that rely on land that is not in the same lot as the site for the use or development described, the details of all of the applicable land must be provided.



PLANNING EXHIBITED INDICATE by placing X in the corresponding ☐ for the relevant clauses of E1.0 Bushfire-prone Areas Code.

¹ This document is the approved form of certification for this purpose, and must not be altered from its original form.

3. Documents	relied upon:				
Documents, Plans	Documents, Plans and/or Specifications				
Title:	7209 Plan of Subdivision				
Author:	Cohen & Associates				
Date:		Version:			
Bushfire Hazard Re	port				
Title:	7209 Bushfire Assessment				
Author:	Bill Armstrong				
Date:	11-04-17	Version:			
Bushfire Hazard Ma	anagement Plan				
Title:	7209 BHMP				
Author:	Bill Armstrong				
Date:	11-04-17	Version:			
Other Documents					
Title:					
Author:					
Date:		Version:			

⁴ List each document that is provided or relied upon to describe the use or development, or to assess and manage risk from bushfire. Each document must be identified by reference to title, author, date and version.



Code v3.0

4. Nature of Certificate⁵

E1.4 – Use or development exempt from this code		
Assessment Criteria	Compliance Requirement	Reference to Applicable Document(s)
E1.4 (a)	Insufficient increase in risk	

E1.5.1 – Vulnerable Uses				
Assessment Criteria	Reference to Applicable Document(s)			
E1.5.1 P1	Risk is mitigated			
E1.5.1 A2	ВНМР			
E1.5.1 A3	Emergency Plan			

E1.5.2 – Hazardous Uses				
Assessment Criteria	Compliance Requirement	Reference to Applicable Document(s)		
E1.5.2 P1	Risk is mitigated			
E1.5.2 A2	ВНМР			
E1.5.2 A3	Emergency Plan			

X	E1.6 – Development standards for subdivision							
	E1.6.1 Subdivision: F	E1.6.1 Subdivision: Provision of hazard management areas						
	Assessment Criteria	Compliance Requirement	Reference to Applicable Document(s)					
	E1.6.1 P1	Hazard Management Areas are sufficient to mitigate risk						
	E1.6.1 A1 (a)	Insufficient increase in risk						
X	E1.6.1 A1 (b)	Provides BAL 19 for all lots						

⁵ The certificate must indicate by placing X in the corresponding ☐ for each applicable standard and the corresponding ☐ for each applicable standard and the corresponding ☐ bocuments ☐ DA 0225/2017 ☐

Date and the state of the state

	E1.6.1 A1 (c)	Consent for Part 5 Agreement	
--	---------------	------------------------------	--

	E1.6.2 Subdivision: Public and fire fighting access					
	I COMPILANCE REQUIREMENT		Reference to Applicable Document(s)			
	E1.6.2 P1	Access is sufficient to mitigate risk				
	E1.6.2 A1 (a)	Insufficient increase in risk				
X	E1.6.2 A1 (b)	Access complies with Tables E1, E2 & E3				

	E1.6.3 Subdivision: Provision of water supply for fire fighting purposes						
	Assessment Compliance Requirement Reference to Ap Document(s)		Reference to Applicable Document(s)				
	E1.6.3 A1 (a)	Insufficient increase in risk					
	E1.6.3 A1 (b)	Reticulated water supply complies with Table E4					
	E1.6.3 A1 (c)	Water supply consistent with the objective					
	E1.6.3 A2 (a)	Insufficient increase in risk					
X	E1.6.3 A2 (b)	Static water supply complies with Table E5					
	E1.6.3 A2 (c)	Static water supply is consistent with the objective					

5. Bu	shfire	Hazard Practition	er ⁶				
Name:	Bill /	Armstrong			Phone No:	6331 4633	
Address:	Coh	en & Associates			Fax No:		
	103	Cameron Street			Email Address:	bill@surveyingtas.co	om.au
	Laui	nceston		7250	Address.		
Accreditati	on No:	BFP - 132			Scope:	1, 2, 3a, 3b	
6. Ce	rtificat	ion ⁷					
I, certify tha	at in acc	ordance with the autho	ority giv	en under P	art 4A of the Fir	e Service Act 1979 –	
increase protectio	in risk to on measu	Areas in accordance want the use or developmander in order to be consisted in Section 4 of this	ent fron istent w	n bushfire t vith the obje	to warrant any s _i	pecific bushfire	
There is an insufficient increase in risk from bushfire to warrant the provision of specific measures for bushfire hazard management and/or bushfire protection in order for the use or development described to be consistent with the objective for each of the applicable standards identified in Section 4 of this Certificate.							
and/or							
accordai developi	nce with ment des	zard Management Plai the Chief Officer's req scribed that is consiste oplicable standards ide	uiremei nt with	nts and car the objectiv	n deliver an outc ve and the relev	ome for the use or ant compliance test	×
Signed: certifier	C	MA					

7209-01



PLANNING EXHIBITED The relevant certification must be indicated by placing X in the corresponding ...

DA 0225/2017

The relevant certification must be indicated by placing X in the corresponding ...

Certificate No:

12-04-17

Date:

⁶ A Bushfire Hazard Practitioner is a person accredited by the Chief Officer of the Tasmania Fire Service under Part IVA of *Fire Service Act 1979*. The list of practitioners and scope of work is found at www.fire.tas.gov.au.



Bushfire Site Assessment

21 Waverley Road Waverley

11/04/2017

Bill Armstrong Accreditation BFP-132



Document Set ID: 3596949 Version: 2, Version Date: 49/05/2017

TABLE OF CONTENTS

1.	Introduction	3
	1.1 Scope	3
	1.2 Limitations	3
2.	Site Location & Context	3
	2.1 Property Information	3
	2.2 Planning Scheme Zoning/Special Areas Overlay	3
	2.3 Site Context	3
	2.4 Environmental Features	4
3.	Proposed Development	4
4.	Bushfire Site Assessment	4
	4.1 Bushfire Prone Areas Code	4
	4.2 Fire Danger Index (FDI)	4
	4.3 Vegetation	4
	Table 1.1	5
	Table 1.2	5
	4.4 Slope & Distance to Vegetation	5
	Table 2.1	5
	Table 2.2	6
5.	Hazard Management Objectives	6
	5.1 Hazard Management Areas	6
	5.2 Private Access	6
	5.3 Water Supply For Fire Fighting	6
6.	Conclusion	7
	Appendix 1 Indicative Vegetation Appendix 2 Site Plan & Proposed Development Appendix 3 Bushfire Hazard Management Plan	



1. Introduction

1.1 Scope

This bushfire site assessment and bushfire hazard management plan has been prepared for a submission with a planning permit application under the *Land Use Planning Approvals Act 1993; E1.0 Bushfire-Prone Areas Code* in the Launceston City Council Interim Planning Scheme 2012 (the Scheme). It has been assessed using Interim Planning Directive No. 1 Bushfire-Prone Areas Code(the Code).

This report has been prepared for J. Child to accompany an application to subdivide land.

The site was inspected on the 11-04-17. It is considered to be in a 'Bushfire Prone Area'. The slopes were assessed using levels measured on-site.

The <u>BAL</u> is established taking into account the type of vegetation and the slope of the land within 100m of the proposed development using the simplified method in *AS3959-2009 Construction of Buildings in Bushfire Prone Areas*.

1.2 Limitations

The report has been produced on the basis that:

- The report is intended to assess the bushfire risk and all other statutory reports are outside the scope of this report.
- Information relating to the type and size of the vegetation is only relevant at the time of site survey and should not be relied upon for future development.
- No assurance is given or implied regarding the safety or amenity for any individual or future occupant within the proposed development.
- No assurance is given or implied regarding the safety of any building constructed within the development.

2. Site Location & Context

2.1 Property Information

The site is the land contained in FR 159395-500 known as 21 Waverley Road, Waverley. Access is from Waverley Road.

2.2 Planning Scheme Zoning/Special Areas Overlay.

The site is zoned Low Density Residential under *the Scheme*. The site is partly covered by the Scenic Management Area scheme overlay.

2.3 Site Context

The site is located in a suburban area on the boundary between Waverley and St Leonards. To the rear of the site is Distillery Creek and the gorge that the creek runs through. The site is currently vegetated as is the gorge area of Distillery Creek. The surrounding development is a mixture of Residential and Industrial uses.



2.4 Environmental Features

There are no environmental features that need to be considered for this report.

3. Proposed Development

The proposal is for a 3 Lot subdivision.

There is potential for future subdivision of the Balance Area.

A plan of subdivision is attached in Appendix 2.

4. Bushfire Site Assessment

4.1 Bushfire Prone Areas Code

Clause E1.3 of the Code defines a 'bushfire prone area' as:

- a) land that is within the boundary of a bushfire prone area shown on an overlay on a planning scheme map; and
- b) where there is no overlay on a planning scheme map, or where the land is outside the boundary of a bushfire-prone area shown on an overlay on such a map, land that is within 100m of an area of bushfire-prone vegetation equal to or greater than 1 hectare.

Bushfire prone vegetation is described as:

Contiguous vegetation including grasses and shrubs but not including maintained lawns, parks and gardens, nature strips, plant nurseries, golf courses, vineyards, orchards or vegetation on land that is used for horticultural purposes.

The development is located within 100m of 'bushfire prone vegetation' greater than one hectare and is therefore located within a 'bushfire prone area'.

4.2 Fire Danger Index (FDI)

The FDI is determined from Table 2.1 in *AS3959-2009 Construction of Buildings in Bushfire Prone Areas*, 'Jurisdictional and Regional Values for FDI'. For Tasmania the FDI is 50.

4.3 Vegetation

Vegetation has been classified in accordance with Table 2.3 in AS3959-2009 Construction Of Buildings In Bushfire-Prone Areas.

The vegetation types within 100m of the site are shown in Table 1. Photos are included in Appendix 2.



Table 1

Direction	Vegetation Description	Vegetation Type
North	A few small shrubs, mostly grasses	G-19
East	A few small shrubs, mostly grasses	G-19
South	Existing maintained Residential & Industrial	N/A
West	Existing maintained Residential & Industrial	N/A

4.4 Slope & Distance to Vegetation

The Acceptable Solution in Clause 1.6.1.1 A1 (b) iv) of the Code requires that a dwelling can achieve a hazard management area between bushfire-prone vegetation and the dwelling with distances greater than or equal to those for BAL 19 in Table 2.4.4 in AS3959-2009 Construction Of Buildings In Bushfire-Prone Areas.

The slope and distances required to achieve the required BAL 19, as well as the distance required to achieve BAL 12.5, are shown in Table 2.

Table 2

	North	East	South	West
Vegetation Type	G-19	G-19	N/A	N/A
Slope	U/S	Flat	5-10	0-5
BAL 19	10m	10m	N/A	N/A
BAL 12.5	14m	14m	N/A	N/A

5. Hazard Management Objectives

5.1 Hazard Management Areas

To comply with clause 1.6.1.1 A1 (b) iv) of *the Code,* Hazard management areas must be shown. The dimensions of the hazard management areas will come from Table 2.1 & Table 2.2. The details of these areas and maintenance requirements can be found in the Bushfire Hazard Management Plan in Appendix 3.

Due to the potential for future subdivision, it is envisaged that the management areas for Lots 1 and 2 will be contained in the Balance Area. This will require a Part 5 agreement.



5.2 Subdivision Access

Waverley Road is a wide suburban street capable of meeting the requirements for access.

Lots 1 and 2 will require new access from Waverley Road. These will both be longer than 30m so the future access to any new dwelling on these lots must comply with section B in Table E2 in *the Code*.

This is compliant with section 1.6.1.2 A1 (b) of the Code.

5.3 Water Supply For Fire Fighting

To comply with clause 1.6.1.3 of *the Code*, water supply for fire fighting must be demonstrated for each Lot.

The buildable areas of Lots 1 and 2 are not capable of being serviced by fire hydrants. Static water will need to be provided to any future dwelling and must be compliant with Table E5 in *the Code*.

The table outlines the requirements for proximity, volume, construction material and fittings.

This is compliant with clause 1.6.1.3 A2 (c).

6. Conclusion

This bushfire assessment report has been undertaken to satisfy the requirements of the *Land Use Planning Approvals Act 1993; E1.0 Bushfire-Prone Areas Code* in Launceston City Council Interim Planning Scheme 2012. It has outlined the Hazard Management Objectives that will be required to comply with section E1.6.1 of *E1.0 Bushfire-Prone Areas Code*.



APPENDIX 1 – INDICATIVE VEGETATION





