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Kylie Wright kylie@wincrest.com.au

Dear Kylie

Bushfire Statement of Compliance of APZ at 231-233 McCarrs Creek Road Church Point (Address)

In response to your request for a Bushfire Statement of Compliance of Inner Protection Area (IPA) Asset Protection Zone (APZ) for the above address, we have completed a review of the arborist report on 19/09/2023.

We have compared the design to

- Appendix 4, Planning For Bush Fire Protection 2019 (PBP)
- NSW RFS Standards for Asset Protection Zones, undated

Supporting Documents

- Arboricultural Impact Assessment Report by Blues Bros Arboriculture, Revision 4, dated 9/08/2023
- Tree Retention Plan, by Blues Brothers Arboriculture, Revision 01, dated 09/08/2023
- Council's email forwarded from Kylie Wright requesting the following:

ADDITIONAL COUNCIL HAVE ADVISED

The Bushfire report has recommended that the entirety of the site be managed as an Asset
Protection Zone and has applied/granted a Bushfire risk level of BAL FZ to the site. Conditions
shall apply to ensure that clearing is undertaken in the appropriate areas and in order to reduce
impacts to native vegetation and biodiversity. It is noted that the 10/50 Clearing Exemption does

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not apply to the property and as such, any future proposals to remove these retained trees will require approval or a relevant exemption under Part 2 of SEPP (Biodiversity and Conservation) 2021 or Part 4 of the NSW Environmental Planning and Assessment Act 1979.

Below is extracts from our assessment of the Arborist Report and Tree Retention Plans. This is not the Bushfire Compliance of Design Statement as the comments in the right columns identify some areas where compliance is not achieved and requires further consideration by the Arborist.

Planning For Bushfire Protection 2019	Annendix A Asset Protection Zone				
requirements	Appendix 4 Asset Protection 20ne				
Trees					
tree canopy cover should be less than 15% at maturity	Not Achievable without further significant tree removal				
	The trees nominated for retention in the Arborist Report are: • T2 • T3 • T5 • T6 • T7 • T8 • T10 • T11 • T14 • T16 • T17 • T18 Calculations of canopy cover based on the Tree Retention Plan, Rev 01, dated 09/08/2023 contained within the Arborist Report are as follows: Total tree canopy cover required by PBP: = $15\% \times 744.84m^2$ (site area) = $111.7m^2$ Total Tree Canopy Cover of trees to be retained from Tree Retention Plan: = $533.1m^2 / 744.84m^2$ = 71.6%				
	The Tree Retention Plan prepared by the Arborist nominates the following trees for removal:				
	• T1, T4, T9, T12, T13, T15, T19, T20, T21				

Work to be completed:

Planning For Bushfire Protection 2019	Appendix 4 Asset Protection Zone					
requirements						
	It is therefore determined that the 15% tree canopy cover requirement is not achievable without significant further tree removal.					
trees at maturity should not touch or overhang the building	Not Achieved					
	Provide a plan note that trees will be pruned so that they do not touch or overhang the building. We recommend consultant with the Arborist and/or Council as the majority of overhanging branches belong to trees outside the subject site boundaries and that pruning large portions of some trees may compromise their health and stability such as T7, T8 &16.					
lower limbs should be removed up to a height of 2m above the ground	Add notation to the plans					
tree canopies should be separated by 2 to 5m and	Not Achieved – The tree canopy cover is all connected, there is no 2-5m tree canopy separation indicated by the Tree Retention Plan. As such, we recommend the Arborist provides for					
preference should be given to smooth	additional tree removal. Trees are existing					
barked and evergreen trees	_					
Shrubs create large discontinuities or gaps in the vegetation to slow down or break the progress of fire towards buildings should be provided	No details provided to demonstrate compliance. Add notations to final plans					
shrubs should not be located under trees	No details provided to demonstrate compliance. Add notations to final plans					
shrubs should not form more than 10% ground cover	No details provided to demonstrate compliance. Add notations to final plans					
clumps of shrubs should be separated from exposed windows and doors by a distance of at least twice the height of the vegetation	No details provided to demonstrate compliance. Add notations to final plans					

Grass	
grass should be kept mown (as a guide grass should be kept to no more than 100mm in height) and	Ground covers having a mature height exceeding 100mm are considered as shrubs
leaves and vegetation debris should be removed	Noted

Landscape Design or Installation Assessment

Standards for Asset Protection	BFCS Comment
Zones, NSW Rural Fire Service	
ensure that vegetation does not provide a	Not Achieved - Vegetation along boundaries is to
continuous path to the house	be broken up into clumps
remove all noxious and environmental	Add notations to plans
weeds	
plant or clear vegetation into clumps rather	Add notations to plans
than continuous rows	
prune low branches two metres from the	Add notations to plans
ground to prevent a ground fire from	
spreading into trees	
locate vegetation far enough away from the	Add notations to plans
asset so that plants will not ignite the asset	
by direct flame contact or radiant heat	
emission	Add notations to plans
plant and maintain short green grass around the house as this will slow the fire	Add notations to plans
and reduce fire intensity. Alternatively,	
provide non-flammable pathways directly	
around the dwelling	
ensure that shrubs and other plants do not	Add notations to plans
directly abut the dwelling. Where this does	
occur, gardens should contain low-	
flammability plants and non flammable	
ground cover such as pebbles and crush tile	
avoid erecting brush type fencing and	Add notations to plans
planting "pencil pine" type trees next to	
buildings, as these are highly flammable	
Removal of other materials	Add notations to plans
Woodpiles, wooden sheds, combustible	
material, storage areas, large quantities of	
garden mulch, stacked flammable building	
materials etc. should be located	
away from buildings. These items should	
preferably be located in a designated	
cleared location with no direct contact with	
bush fire hazard vegetation	

Note, mulch and other materials within 6m of the building to be non-combustible, eg scoria	
Other protective features Take advantage of existing or proposed protective features such as fire trails, gravel paths, rows of trees, dams, creeks, swimming pools, tennis courts and vegetable gardens as part of the property's APZ	Add notations to plans

Please contact me once the design has been amended to meet the requirements of the APZ to enable us to issue your requested Statement of Compliance.

Kind Regards

Myour



Catherine Gorrie

(a person who is recognised by the NSW Rural Fire Service as a suitably qualified consultant in bush fire risk assessment)
Accredited Bushfire Planning and Design Practitioner
Fire Protection Association Australia BPAD-Level 3 (BPAD 20751)
Grad Dip Bushfire Protection (UWS 2010)
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Disclaimer

Any recommendation or advice expressed in this report is made in good faith and in accordance with the relevant legislation for bushfire prone development in New South Wales. It should be borne in mind that the measures recommended in this report cannot guarantee that a building will survive a bushfire event on every occasion. This is due to the degree of vegetation management, the unpredictable behaviour of bushfires and extreme weather conditions. As such, the author is not liable to any person for any damage or loss whatsoever which has occurred or may occur in relation to the person taking action or not taking action based on the recommendations of this document.

Appendix 1 – Extracts from Arborist Report

Trees highlighted are to be retained as indicated in the Tree Retention Plan

							,			
	SRZ (M) Radius	3.3	2.4	2.2	3.2	2.2	0.0	2.3	2.4	2.5
	TPZ (M) Radius	6.2	3.2	3.1	8.8	3.7	3.1	4.0	4.1	4.0
Tree Data Summary - 231-233 McCarrs Ck Road, Church Point - Assessed 30/09/2021	Notes	Slight bark inclusion at base of tri-dominant stems	Basal dieback on the South-Eastern Flank to 4m likely due to fire. Moderate Remove irrespective of development.	Termite & Fire damage with lower trunk appearing to be at risk of imminent failure. Moderate Remove irrespective of development.	Active <i>Mosutitermes wolker</i> i with nest in tree, Needs dead wood removal Previously impacted by fire.	Active Na <i>suttermes wolker</i> i with nest in tree, Cambium dieback to South		Old termite activity Past fire impacts Kingh Staiming of lower trunk Singh Staiming of lower trunk Moderate 10-15%, Moderate Active habitat tree - Tawny Frogmouth.	Moderate Past fire impact & cambium injury to 5m	5-10% Moderate Past fire impact & cambium injury to 5m
int - As	sonsoifingi2 9ulev	High		Moderate	High	Low	Moderate	Moderate	Moderate	Moderate
ih Poi	boowbsəb γqonsϽ	0-5%	5-10%	5-10%	5-10%	5-10%	0-5%	10-15%	5-10%	5-10%
Churc	Vigour	Good	Good	Good	Good	Moderate 5-10%	Moderate	Moderate	Good	Good
k Road,	Stability	Appears Stable	Stability Suspect	lmminent Failure Likely	Appears Stable	Stability Suspect	Appears Stable	Appears Stable	Appears Stable	Appears Stable
Carrs Ch	gninur9 tze9	No	No	Νο	No	No	No	No	No	No
233 Mc(yqoneJ VqoneJ	Yes	Bias North	Bias South West	Yes	Bias North West	Yes	Yes	Yes	Yes
/ - 231-:	nsəl Xrun ^T	Upright	Upright	Upright	Upright	Bias North West	Upright	Upright	Upright	Upright
nmar	Trunk type	Triple U	Single L	Single	Single (E Single	Single L	Single L	Single L	Single
ata Sun	Maturity	Mature ¹	Mature		Remnant (Mature	Mature	Mature	Mature 9
Tree Da	Foliage condition	99 Good	45 Moderate	39 Moderate Mature	Good	39 Moderate Mature	Good	43 Good	45 Good	49 Good
	(שכ) מפר	66	45	39	910	39		43	45 (49
	(cw) DBH	51	27	26	73	31	26	33	34	33
	Canopy in s'n smib metres	10	2	7	18	10	9	16	11	11
	tdaieH (m)	17	17	17	25+	12	5.5	20	20	18
	Species	Syncarpia glomulifera (Sydney Turpentine)	Allocasuarina littoralis (Black She-Oak)	Allocasuarina littoralis (Black She-Oak)	Eucalyptus robusta (Bangalay)	Allocasuarina littoralis (Black She-Oak)	Livistona australis (Cabbage Tree Palm)	Eucalyptus microcorys (Tallow Wood)	Allocasuarina littoralis (Black She-Oak)	Allocasuarina littoralis (Black She-Oak)
	Tree ID	T1	72	13	T4	TS	T6	17	T8	T9

	SL									
	SRZ (M) s Radius	3.2	2.4	3.7	2.3	2.3	2.8	2.8	2.9	2.3
	TPZ (M) Radius	8.6	4.1	12.6	3.8	3.8	5.8	5.9	7.2	3.8
Tree Data Summary - 231-233 McCarrs Ck Road, Church Point - Assessed 30/09/2021	Notes	Active termite nest (<i>Nasutiternes walkeri</i>) Past fire impact Cambium dieback of southern flank to 9m Heartwood sounding hollow	Active termites, otherwise without comment	Growing atop rockshelf, likely to have suffered partial root plate failure decades previously. Major hollow in lower main trunk			Active termites (<i>Nasutitermes walkeri</i>), Kino staining of lower trunk	Significant fire impact to 3m with Heartwood sounding hollow, Vertical cracking to 2m Remove irrespective of development,	Excellent recovery following previous fire impact.	
nt - As	Significance value	High	High	High	Moderate	Moderate	High	High	High	Moderate
h Poi	yoowbeab VqoneO	0-5%	5-10%	5-10%	5-10%	5-10%	0-5%	0-5%	0-5%	5-10%
Churc	Vigour	Good	Good	Good	Moderate	Moderate	Good	Good	Excellent	Moderate 5-10% Moderate
c Road,	Stability	Stability Suspect	Appears Stable	Stability Suspect	Appears Stable	Appears Stable	Appears Stable	Stability Suspect	Appears Stable	Appears Stable
Carrs Ck	gninur9 tze9	No	No	No	No	No	No	No	No	No
33 Mc(yqoneጋ bəɔnsleð	Bias East	ast	Entirely North East	Yes	Yes	Yes	Yes	Yes	Yes
- 231-2	Trunk lean	Upright	Bias North Entirely East North E	Critically North East (25° above E horizontal)	Upright N	Upright)	Upright	Upright \	Upright	Upright
mary	Trunk type	Single U	E Single E	C N (j Single h	Single L	Single L	Single L	Single L	Single L	Single U
ta Sum	Maturity	Remnant Si	Mature Si	Remnant Si			Mature Si	Remnant Si	Remnant Si	
Tree Da	Foliage condition	90 Good F	Good	130 Good F	44 Moderate Mature	44 Moderate Mature	Good	Good	Good	44 Moderate Mature
	(cu) DCL	06	45		44	44	70	70	73	44
	(cɯ) DBH	72	34	105	32	32	48	49	60	32
	Canopy in s'n smib metres	15	17	20+	റ	6	11	14	13(N/E)	6
	td _ä ieH (m)	30	25	20+	14	14	17	21	22	14
	Species	Eucalyptus robusta (Bangalay)	Allocasuarina littoralis (Black She-Oak)	Eucalyptus pillularis (Blackbutt)	Allocasuarina littoralis (Black She-Oak)	Allocasuarina littoralis (Black She-Oak)	Angophora floribunda (Rough-Barked Apple)	Eucalyptus robusta (Bangalay)		Allocasuarina littoralis (Black She-Oak)
	Tree	T10	T11	T12	113	T14	T15	T16	117	118

Tree Retention Plan

