

Urban Quarter

Bushfire Management Plan (BMP) Compliance and Condition Clearance Report
Stage 8 East of the Beach,
Eglington

29 November 2022 64247/ 148769 (Rev 0)

JBS&G Australia Pty Ltd T/A Strategen-JBS&G





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1. Introduction

1.1 Site/development summary

Table 1 provides a summary of the site and proposed development. The development layout and subject lots are shown in Figure 1.

Table 1: Site/development summary

Site details	
Address details	30 proposed residential lots within Stage 8 East of the Beach, Eglinton, WA, 6034
Local government area	City of Wanneroo
Description of building	Construction of a single residential dwelling (Class 1a building and associated Class 10a
works	structure) within each lot

1.2 Purpose of report

This Bushfire Management Plan (BMP) compliance report has been prepared for 30 proposed residential lots within Stage 8 East of the Beach (hereafter referred to as the project area). Lots within Stage 8 are subject to WAPC subdivision approval (WAPC Ref. 155700, issued on 22 December 2017). Conditions 21 and 22 of the subdivision approval state the following in relation to bushfire management requirements:

<u>Condition 21</u>. Information is to be provided to demonstrate that the measures contained in the bushfire management plan for Lot 6 Taronga Place, Eglinton (dated September 2017) that address the following:

- a) Clearing and maintenance of an Asset Protection Zone (APZ) within the rail reserve to the east of the site until such time that the rail reserve is developed.
- b) Maintenance of retained vegetation within Public Open Space areas on a regular and ongoing basis at a low fuel load.
- c) Maintenance of cleared vacant land in a low fuel state through slashing of grasses and weeds to a height of less than 100 mm.
- d) Construction and maintenance of firebreaks to the specification of the local government have been implemented during subdivisional works. (Local Government)

<u>Condition 22</u>. A compliance certificate/report for the BAL Contour Map relating to the approved subdivision shall be completed prior to the issuing of titles to the satisfaction of the Western Australian Planning Commission. (Local Government)

This report provides the evidence and documentation required to address the above-mentioned conditions of subdivision to facilitate clearances for proposed lots within the project area and has been prepared for the benefit of the developer, future lot purchasers and decision makers.

Since all proposed lots are situated in a designated bushfire prone area (as per Plate 1), this report also provides a post-subdivisional works update of the Bushfire Attack Level (BAL) ratings for individual lots within the project area. BAL certificates for each individual lot (contained in Appendix A) have been prepared based on the final site compliance check and are appended to this report for use at the building permit stage.



The BAL assessment outlined in this report is the most up to date assessment from JBS&G relating to the project area and has been prepared in consideration of the previous BAL contour assessment documented in the Bushfire Management Plan (BMP) prepared to accompany the subdivision application stage of the development (Strategen Environmental [now JBS&G], Rev 0, September 2017). The approach for preparation of this BMP compliance report is consistent with Section 4.2 and Appendix 3 of *Guidelines for Planning in Bushfire Prone Areas Version 1.4* (the Guidelines; WAPC 2021).



Plate 1: Map of Bushfire Prone Areas (DFES 2021)



2. Implementation of relevant bushfire management measures

The endorsed subdivision stage BMP includes bushfire management strategies that are inherent to the ability for Stage 8 residential lots to achieve the BAL ratings shown indicatively on the original BAL Contour Map.

JBS&G can confirm that the following relevant bushfire management strategies detailed in the endorsed BMP have been implemented as intended throughout the duration of subdivisional works

Table 2: BMP implementation actions

BMP reference (as per Table 5)	Bushfire management measure	Status	Evidence	Certification by bushfire consultant
1a	Provide (and maintain to APZ standard) temporary setbacks to quarantine affected lots and ensure development is not subject to a rating of BAL–40 or higher	N/A	Not applicable to Stage 8. All lots are able to achieve BAL-29 or lower.	Louisa Robertson (Level 3 BPAD36748) MRSbertson
1b	Clear and maintain an APZ within the rail reserve to the east of the site until such time that the rail reserve is developed	N/A	As per the endorsed Structure Plan BMP for the Central Precinct (Strategen-JBS&G 2021), future revegetation within the currently cleared rail corridor is considered to be low threat under Clause 2.2.3.2 (f), based on the narrow extent of future revegetation, cleared nature of the Western and Central Precincts, and resultant limited potential to support significant bushfire behaviour. In this regard, the rail corridor is not required to be maintained as an APZ.	Louisa Robertson (Level 3 BPAD36748) MRSbertson
2a	Maintain areas of retained vegetation within Public Open Space on a regular and ongoing basis at a low fuel load	Complete	Retained vegetation within the adjoining Stage 2 and Stage 11 POS has been established to be excludable under Clauses 2.2.3.2 (b) and (c) of AS 3959 such that the retained vegetation has no BAL impact on proposed Stage 8 lots. Future landscaping within the adjoining POS will continue the low threat vegetation status.	Louisa Robertson (Level 3 BPAD36748) MRSbertson
2b	Maintain all cleared vacant land in a low fuel state through slashing of grasses and weeds to a height of less than 100 mm	Complete	A 100 m wide low threat staging buffer has been established where required around Stage 8 and is currently being maintained in a low threat state in accordance with AS 3959 Clause 2.2.3.2 (f). Surrounding stages of development are completely cleared and/or built out.	Louisa Robertson (Level 3 BPAD36748) MRSbertson
2c	Maintain road reserves in a low fuel state	Complete	All road reserves either have been or will be constructed and maintained in a low fuel state consistent with standard high density urban street verges.	Louisa Robertson (Level 3 BPAD36748) MRSbertson



BMP reference (as per Table 5)	Bushfire management measure	Status	Evidence	Certification by bushfire consultant
2d	Ensure compliance with the City of Wanneroo firebreak notice	Ongoing	Firebreaks are not required for proposed Stage 8 lots; however, ongoing slashing of regrowth grassland and weeds to less than 50 mm in height on vacant residential lots less than 4000 m ² will continue to be undertaken as per the City's firebreak notice.	Louisa Robertson (Level 3 BPAD36748) MRSbertson
3a	BAL compliance check	Complete	This report provides the appropriate BAL compliance check for Stage 8 lots (refer to Figure 1 and Figure 2, as well as BAL certificates contained in Appendix A).	Louisa Robertson (Level 3 BPAD36748) MRSbertson
4 a	Construct all new internal roads and temporary cul-de-sacs in accordance with subdivision approval and technical requirements of the Guidelines	Complete, with works bonded	No-through roads As depicted on the Civil Roadworks plan (Appendix B), Binningup Terrace will be constructed to join Tarcoola Grove within the adjoining Stage 7 development. This will create a 290 m long temporary no-through road until the development of future roads within Stage 9, to the east (refer to Appendix C). Under Acceptable Solution A3.2a (Multiple access routes) of the Guidelines Version 1.4 (WAPC 2021), it is permissible to have a no-through road that is greater than 200 m from the subject site, where the balance exceeding 200 m is wholly within BAL-LOW, or is within a residential built-out area. The balance of Binningup Terrace meets the BAL-LOW requirement, and is located fully within a residential built out area, as depicted in Figure 2). Therefore the length of the no-through road meets current day acceptable solutions. Multiple access routes As mentioned above, Binningup Terrace leads to Tarcoola Grove, which in turn opens onto Roebuck Boulevard to create a continuous road network. Two access routes are provided to Bluewater Drive in the south, being via Parakeet Drive and Roebuck Boulevard. Bluewater Drive connects to Marmion Avenue in the southwest which provides access to two different suitable destinations in the north and south. Technical construction standards All proposed public roads will meet technical requirements of the Guidelines, as per the Civil Roadworks plan (Appendix B). These works, although not fully constructed on ground at the time of audit, are bonded to ensure delivery of works prior to site occupancy.	Louisa Robertson (Level 3 BPAD36748) MRSbertson



BMP reference (as per Table 5)	Bushfire management measure	Status	Evidence	Certification by bushfire consultant
4b	Construction and maintenance of firebreaks to the specification of the local government	Compliance to be met during bushfire season	The developer is to ensure that a compliant firebreak is established/maintained within the balance landholding, during the firebreak notice compliance period (1 November to 30 April).	Louisa Robertson (Level 3 BPAD36748) MRSbertson
5a	Provision of reticulated water supply	Complete, with works bonded	A compliant reticulated water and street hydrant network will be delivered for Stage 8 lots in accordance with technical requirements of the Guidelines, as per the Civil Water Reticulation plan contained in Appendix C. These works, although not fully constructed on ground at the time of audit, are bonded to ensure delivery of works prior to site occupancy.	Louisa Robertson (Level 3 BPAD36748) MRSbertson
6a	Certification of BAL ratings	Complete	Appendix A of this report provides the required BAL certification for individual Stage 8 lots.	Louisa Robertson (Level 3 BPAD36748) MRSbertson



3. Bushfire assessment results

3.1 Assessment inputs

3.1.1 Vegetation classification

JBS&G assessed classified vegetation and exclusions within the 150 m assessment area through onground verification on 22 November 2022 in accordance with AS 3959—2018 Construction of Buildings in Bushfire-Prone Areas (AS 3959; SA 2018) and the Visual Guide for Bushfire Risk Assessment in Western Australia (DoP 2016). Georeferenced site photos and a description of the vegetation classifications and exclusions are contained in Appendix E and depicted in Figure 1.

Site observations show that the vegetation classifications have been slightly amended from the post-development vegetation classifications determined by the endorsed BMP (Strategen Environmental [now JBS&G] 2017), in that areas of previously classified Class B Woodland to the west of the project area (Plot 1) have been amended to Class D Scrub, which presents a more appropriate classification based on the latest site assessment and amended to vegetation classification criteria based on publication of AS 3959 2018.

Vegetation plots to the southeast and northeast (both Plot 3) are excluded under Clause 2.2.3.2 (c) as being less than 0.25 ha in are and not within 20 m of each other or the project area. The area of vegetated POS to the south has been excluded under Clause 2.2.3.2 (b).

The project area and surrounding cleared land (Plot 4) is excluded under Clause 2.2.3.2 (e) and (f) as non-vegetated land or low threat vegetation.

3.1.2 Effective slope

JBS&G assessed effective slope under classified vegetation within the 150 m assessment area through on-ground verification on 25 August 2021 and 21 January 2022 and a desktop assessment on 23 November 2022 in accordance with AS 3959. Results were cross-referenced with DPIRD 2 m contour data and are depicted in Figure 1.

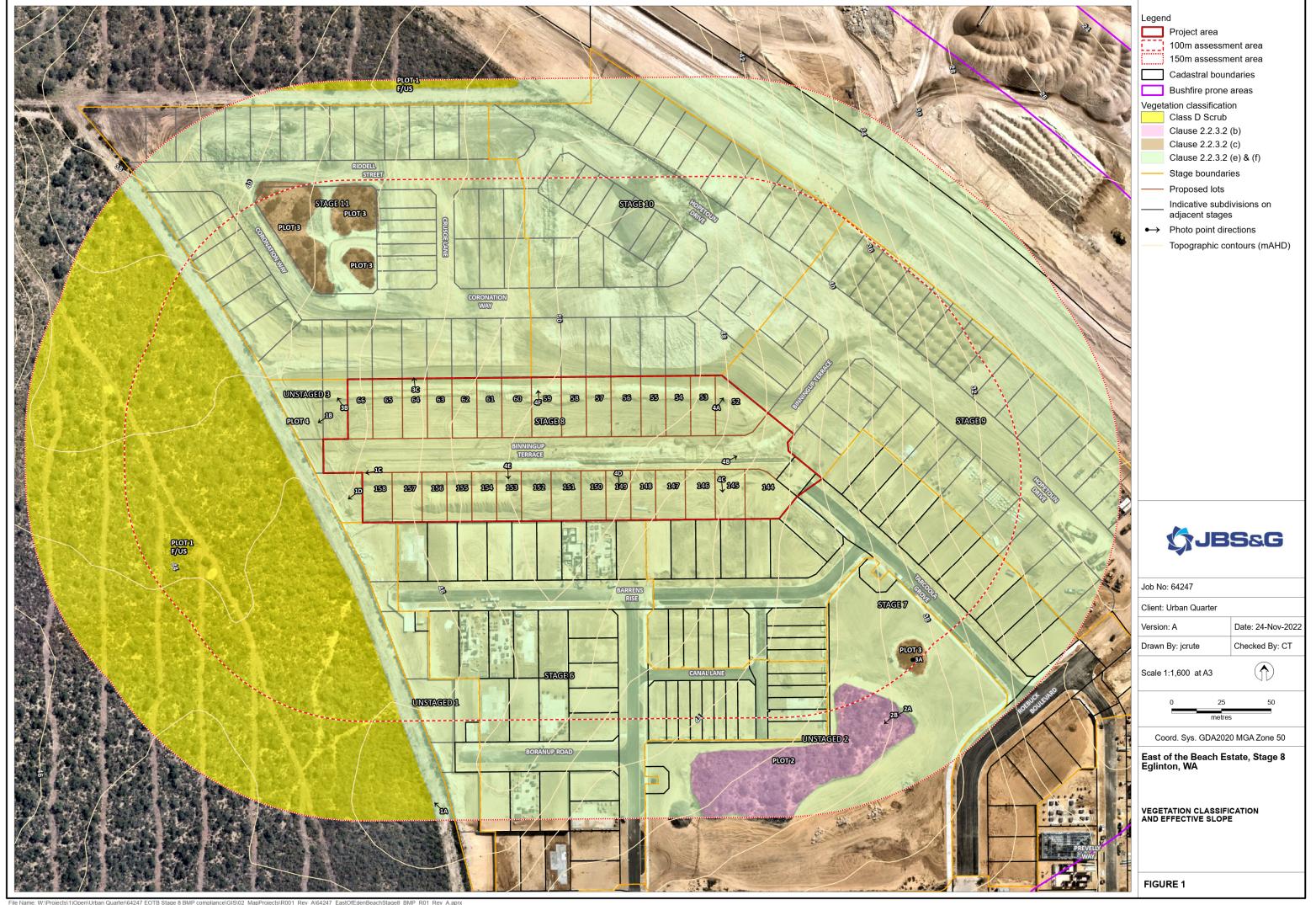
Site observations show that effective slope under the classified vegetation aligns with the slopes identified within the endorsed BMP (Strategen Environmental [now JBS&G] 2017), this being flat/upslope beneath the Class D Scrub identified from the southwest to west of the project area (Plot 1).

3.1.3 Summary of inputs

Figure 1 illustrates the current vegetation classifications and exclusions observed during the site inspections. The vegetation classifications/exclusions and effective slope are summarised in Table 3.

Table 3: Summary of vegetation classifications, exclusions and effective slope

Vegetation plot	Vegetation classification	Effective slope	Comments
1	Class D Scrub	Flat/upslope (0°)	Scrub vegetation with a continuous horizontal fuel profile between 2–6 m in height from the southwest to west of the project area.
2	Excluded – Clause 2.2.3.2 [b]	N/A	Pocket of retained vegetation within Stage 2 future POS that is < 1 ha in area and not within 100 m of any other vegetation being classified vegetation.
3	Excluded – Clause 2.2.3.2 [c]	N/A	Single vegetated areas within Stage 2 and Stage 11 future POS that area <0.25 ha in area and not within 20 m of the site or other classifiable vegetation.
4	Excluded – Non- vegetated & Low threat (Clauses 2.2.3.2 [e] and [f])	N/A	Existing areas of non-vegetated land or low threat managed vegetation, including a large proportion of future development areas being managed out to at least 100 m from the Stage 8 project area (Western Precinct and Central Precinct).





3.2 Assessment outputs

3.2.1 Bushfire Attack Level (BAL) contour assessment

JBS&G has undertaken a BAL contour assessment for the project area in accordance with Method 1 of AS 3959 (Figure 2). The Method 1 procedure incorporates the following factors:

- state-adopted FDI 80 rating
- vegetation classification
- effective slope
- distance maintained between proposed development areas and the classified vegetation.

The BAL contours are based on the current on-ground site conditions and take into consideration the bushfire management measures that have been implemented on site as listed in Section 2

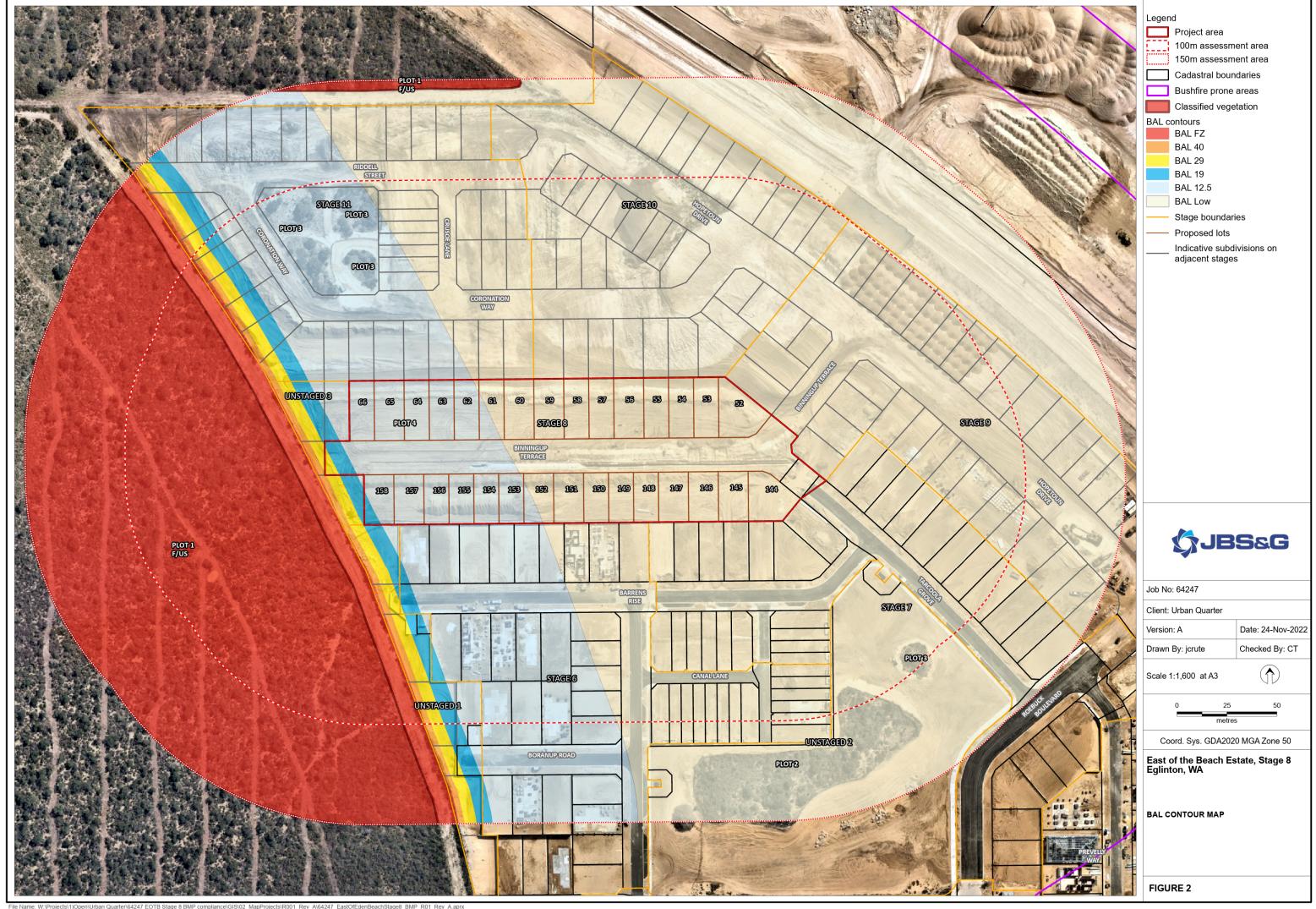
Results of the BAL contour assessment are detailed in Table 4 and illustrated in Figure 2.

Table 4: BAL contour assessment results

	Method 1 BAL determination									
Lot	Vegetation plot	Vegetation classification	Effective slope	Separation distance	Highest BAL	Building setback to achieve lower BAL				
52	1	Class D Scrub	Flat/upslope (0°)	>100m	BAL-Low	N/A				
53	1	Class D Scrub	Flat/upslope (0°)	>100m	BAL-Low	N/A				
54	1	Class D Scrub	Flat/upslope (0°)	>100m	BAL-Low	N/A				
55	1	Class D Scrub	Flat/upslope (0°)	>100m	BAL-Low	N/A				
56	1	Class D Scrub	Flat/upslope (0°)	>100m	BAL-Low	N/A				
57	1	Class D Scrub	Flat/upslope (0°)	>100m	BAL-Low	N/A				
58	1	Class D Scrub	Flat/upslope (0°)	>100m	BAL-Low	N/A				
59	1	Class D Scrub	Flat/upslope (0°)	>100m	BAL-Low	N/A				
60	1	Class D Scrub	Flat/upslope (0°)	>100m	BAL-Low	N/A				
61	1	Class D Scrub	Flat/upslope (0°)	90 m	BAL-12.5	N/A				
62	1	Class D Scrub	Flat/upslope (0°)	78 m	BAL-12.5	N/A				
63	1	Class D Scrub	Flat/upslope (0°)	67 m	BAL-12.5	N/A				
64	1	Class D Scrub	Flat/upslope (0°)	55 m	BAL-12.5	N/A				
65	1	Class D Scrub	Flat/upslope (0°)	42 m	BAL-12.5	N/A				
66	1	Class D Scrub	Flat/upslope (0°)	31 m	BAL-12.5	N/A				
144	1	Class D Scrub	Flat/upslope (0°)	>100m	BAL-Low	N/A				
145	1	Class D Scrub	Flat/upslope (0°)	>100m	BAL-Low	N/A				
146	1	Class D Scrub	Flat/upslope (0°)	>100m	BAL-Low	N/A				
147	1	Class D Scrub	Flat/upslope (0°)	>100m	BAL-Low	N/A				
148	1	Class D Scrub	Flat/upslope (0°)	>100m	BAL-Low	N/A				
149	1	Class D Scrub	Flat/upslope (0°)	>100m	BAL-Low	N/A				
150	1	Class D Scrub	Flat/upslope (0°)	>100m	BAL-Low	N/A				
151	1	Class D Scrub	Flat/upslope (0°)	>100m	BAL-Low	N/A				
152	1	Class D Scrub	Flat/upslope (0°)	91 m	BAL-12.5	N/A				
153	1	Class D Scrub	Flat/upslope (0°)	79 m	BAL-12.5	N/A				
154	1	Class D Scrub	Flat/upslope (0°)	67 m	BAL-12.5	N/A				
155	1	Class D Scrub	Flat/upslope (0°)	57 m	BAL-12.5	N/A				
156	1	Class D Scrub	Flat/upslope (0°)	46 m	BAL-12.5	N/A				
157	1	Class D Scrub	Flat/upslope (0°)	32 m	BAL-12.5	N/A				
158	1	Class D Scrub	Flat/upslope (0°)	19 m	BAL-19	N/A				

3.2.2 BAL certificates

BAL certificates for the subject lots are provided in Appendix A in accordance with the BAL contour assessment results detailed in Table 4.





4. Conclusion and recommendations

This BMP compliance and condition clearance report has been prepared for 30 proposed residential lots within Stage 8 East of the Beach to address Conditions 21 and 22 of the WAPC subdivision approval (Ref. 155700) and provide a final BAL check for individual lots for use at the building permit stage. Assessment results are consistent with current on-ground conditions. JBS&G can confirm that the existing BMP over the site has been implemented as intended throughout the duration of subdivisional works for the relevant Stage 8 area and adjacent land to achieve the planned BAL outcomes and comply with bushfire protection criteria of the Guidelines. JBS&G considers that the BAL contour assessment and BAL certificates outlined in this report are accurate to inform individual lot building permit applications.

Ongoing requirements of the current City of Wanneroo annual firebreak notice are to continue to be implemented as required, particularly with regards to ongoing fuel management of cleared vacant lots and firebreak maintenance requirements on balance land.



5. References

- Department of Fire and Emergency Services (DFES) 2021, *Map of Bush Fire Prone Areas*, [Online], Government of Western Australia, available from: https://maps.slip.wa.gov.au/landgate/bushfireprone/, [23/11/2022].
- Department of Planning (DoP) 2016, Visual guide for bushfire risk assessment in Western Australia, Department of Planning, Perth.
- Standards Australia (SA) 2018, Australian Standard AS 3959–2018 Construction of Buildings in Bushfire-prone Areas, Standards Australia, Sydney.
- Strategen Environmental (now JBS&G) 2017, Bushfire Management Plan Western Precinct, Lot 6 Taronga Place, Eglington (Subdivision application), Strategen Environmental, Perth, Bunbury.
- Strategen-JBS&G 2021 (now JBS&G), Bushfire Management Plan Addendum Central Precinct, Eglington (Structure Plan application), Strategen-JBS&G, Perth, Bunbury.
- Western Australian Planning Commission (WAPC) 2021, *Guidelines for Planning in Bushfire Prone Areas*, Version 1.4 December 2021, Western Australian Planning Commission, Perth.



Limitations

Scope of services

This report ("the report") has been prepared by Strategen-JBS&G in accordance with the scope of services set out in the contract, or as otherwise agreed, between the Client and Strategen-JBS&G. In some circumstances, a range of factors such as time, budget, access and/or site disturbance constraints may have limited the scope of services. This report is strictly limited to the matters stated in it and is not to be read as extending, by implication, to any other matter in connection with the matters addressed in it.

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In preparing the report, Strategen-JBS&G has relied upon data and other information provided by the Client and other individuals and organisations, most of which are referred to in the report ("the data"). Except as otherwise expressly stated in the report, Strategen-JBS&G has not verified the accuracy or completeness of the data. To the extent that the statements, opinions, facts, information, conclusions and/or recommendations in the report ("conclusions") are based in whole or part on the data, those conclusions are contingent upon the accuracy and completeness of the data. Strategen-JBS&G has also not attempted to determine whether any material matter has been omitted from the data. Strategen-JBS&G will not be liable in relation to incorrect conclusions should any data, information or condition be incorrect or have been concealed, withheld, misrepresented or otherwise not fully disclosed to Strategen-JBS&G. The making of any assumption does not imply that Strategen-JBS&G has made any enquiry to verify the correctness of that assumption.

The report is based on conditions encountered and information received at the time of preparation of this report or the time that site investigations were carried out. Strategen-JBS&G disclaims responsibility for any changes that may have occurred after this time. This report and any legal issues arising from it are governed by and construed in accordance with the law of Western Australia as at the date of this report.

Environmental conclusions

Within the limitations imposed by the scope of services, the preparation of this report has been undertaken and performed in a professional manner, in accordance with generally accepted environmental consulting practices. No other warranty, whether express or implied, is made.

The advice herein relates only to this project and all results conclusions and recommendations made should be reviewed by a competent person with experience in environmental investigations, before being used for any other purpose.

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Appendix A BAL certificates





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no Street no Lot no Street name / Plan Reference 52 Binningup Terrace						
	Suburb Eglinton				State WA	Postcode 6034	
Local government area	City of Wanneroo						
Main BCA class of the building	Class 1a	Use(s buildi) of the ng	Residential dwelling			
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class	10a building/s		

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL	
Method 1	Class D Scrub	Flat/upslope	>100 m	BAL – LOW	

Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748 Signature IMRda. Date 28/11/22 Authorised Practitioner Stamp





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no	Street no	Lot no	Street name / Plan Reference Binningup Terrace		
	Suburb				State	Postcode
	Eglinton				WA	6034
Local government area	City of Wanneroo					
Main BCA class of the building	Class 1a Use(s) of the building Residential dwelling					
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class 1	Oa building/s	

Determination of Highest Bushfire Attack Level							
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL			
Method 1	Class D Scrub	Flat/upslope	>100 m	BAL – LOW			

Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36746 Signature MRSbed. Date 28/11/22 Authorised Practitioner Stamp





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no	Street no	Lot no	Street name / Plan Reference Binningup Terrace	е	
	Suburb				State	Postcode
	Eglinton				WA	6034
Local government area	City of Wanneroo					
Main BCA class of the building	Class 1a Use(s) of the building Residential dwelling					
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class 1	10a building/s	

Determination of Highest Bushfire Attack Level						
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope				
Method 1	Class D Scrub	Flat/upslope	>100 m	BAL – LOW		

BPAD Accredited Practitioner Details Name Louisa Robertson I hereby declare that I am a BPAD **Company Details** accredited bushfire practitioner. JBS&G Australia Pty Ltd Accreditation No. 36748 I hereby certify that I have undertaken the Signature assessment of the above site and determined the Bushfire Attack Level stated above in 22/11/22 Date accordance with the requirements of AS 3959-2018. Authorised Practitioner Stamp





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no	Unit no Street no Lot no Street name / Plan Reference 55 Binningup Terrace						
	Suburb		•		State	Postcode		
	Eglinton					6034		
Local government area	City of Wanneroo							
Main BCA class of the building	Class 1a Use(s) of the building Residential dwelling							
Description of the building or works	Construc	tion of a sing	le Class 1	a building and associated Class	s 10a building/s			

Determination of Highest Bushfire Attack Level							
AS 3959 Assessment Procedure	Vegetation Classification	Effective Separation Slope Distance		BAL			
Method 1	Class D Scrub	Flat/upslope	>100 m	BAL – LOW			

Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748 Signature MRSell. Date 28/11/22





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no	Street no	Lot no Street name / Plan Reference 56 Binningup Terrace					
	Suburb				State	Postcode		
	Eglinton			WA				
Local government area	City of W	City of Wanneroo						
Main BCA class of the building	Class 1a	lass 1a Use(s) of the Residential dwelling						
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class	10a building/s			

AS 3959 Assessment		Effective	Separation	
Procedure	Vegetation Classification	Slope	Distance	BAL
Method 1	Class D Scrub	Flat/upslope	>100 m	BAL - LOW

Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748 Signature Impaber. Date 28/11/22





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no	nit no Street no Lot no Street name / Plan Reference 57 Binningup Terrace							
	Suburb Eglinton				State WA	Postcode 6034			
Local government area	City of W	City of Wanneroo							
Main BCA class of the building	Class 1a Use(s) of the Residential dwelling								
Description of the building or works	Construc	tion of a sing	le Class 1	a building and associated Class	10a building/s				

Determination of Highest Bushfire Attack Level							
AS 3959 Assessment Procedure	Vegetation Classification	Effective Separation Slope Distance		BAL			
Method 1	Class D Scrub	Flat/upslope	>100 m	BAL – LOW			

BPAD Accredited Practitioner Details Name Louisa Robertson I hereby declare that I am a BPAD **Company Details** accredited bushfire practitioner. JBS&G Australia Pty Ltd Accreditation No. 36748 I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in Date accordance with the requirements of AS 3959-2018. **Authorised Practitioner Stamp**





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no	Unit no Street no Lot no Street name / Plan Reference 58 Binningup Terrace							
	Suburb Eglinton				State WA	Postcode 6034			
Local government area	City of W	City of Wanneroo							
Main BCA class of the building	Class 1a	Use(s) of the building Residential dwelling							
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class	10a building/s				

Determination of Highest Bushfire Attack Level							
AS 3959 Assessment Procedure	Vegetation Classification	Effective Separation Slope Distance		BAL			
Method 1	Class D Scrub	Flat/upslope	>100 m	BAL – LOW			

Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748 Signature IMR doesn. Date 22/11/22





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no	Unit no Street no Lot no Street name / Plan Reference 59 Binningup Terrace							
	Suburb			,	State	Postcode			
	Eglinton WA					6034			
Local government area	City of W	City of Wanneroo							
Main BCA class of the building	Class 1a	Class 1a Use(s) of the building Residential dwelling							
Description of the building or works	Construc	tion of a sing	le Class 1	a building and associated Class	10a building/s				

Determination of Highest Bushfire Attack Level							
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL			
Method 1	Class D Scrub	Flat/upslope	>100 m	BAL – LOW			

BPAD Accredited Practitioner Details Name Louisa Robertson I hereby declare that I am a BPAD **Company Details** accredited bushfire practitioner. JBS&G Australia Pty Ltd Accreditation No. 36748 I hereby certify that I have undertaken the assessment of the above site and determined Signature the Bushfire Attack Level stated above in Date accordance with the requirements of AS 3959-2018. **Authorised Practitioner Stamp**





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no	Street no	ce						
	Suburb Eglinton				State WA	Postcode 6034			
Local government area	City of W	City of Wanneroo							
Main BCA class of the building	Class 1a Use(s) of the building Residential dwelling								
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class	10a building/s				

Determination of Highest Bushfire Attack Level							
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL			
Method 1	Class D Scrub	Flat/upslope	>100 m	BAL - LOW			

Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748 Signature Implement. Date 28/11/22 Authorised Proctitioner Stamp





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Property Details and	d Descripti	on of Works							
Address Details	Unit no	Street no	Lot no	Street name / Plan Reference Binningup Terrace					
	Suburb Eglinton				State WA	Postcode 6034			
Local government area	City of W	City of Wanneroo							
Main BCA class of the building	Class 1a	Class 1a Use(s) of the building Residential dwelling							
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class 1	Oa building/s				

Determination of Highest Bushfire Attack Level								
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL				
Method 1	Class D Scrub	Flat/upslope	90 m	BAL - 12.5				

Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748 Signature Implementation Date 28/11/22





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no	Unit no Street no Lot no Street name / Plan Reference 62 Binningup Terrace							
	Suburb				State	Postcode			
	Eglinton	n V			WA	6034			
Local government area	City of W	City of Wanneroo							
Main BCA class of the building	Class 1a	Use(s buildi) of the ng	the Residential dwelling					
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class	10a building/s				

Determination of Highest Bushfire Attack Level							
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL			
Method 1	Class D Scrub	Flat/upslope	78 m	BAL - 12.5			

Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748 Signature MRAbert Date 28/II/22





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no	Unit no Street no Lot no Street name / Plan Reference 63 Binningup Terrace							
	Suburb Eglinton				State WA	Postcode 6034			
Local government area	City of W	City of Wanneroo							
Main BCA class of the building	Class 1a	Use(s buildi) of the ng	Residential dwelling					
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class 1	10a building/s				

Determination of Highest Bushfire Attack Level							
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL			
Method 1	Class D Scrub	Flat/upslope	67 m	BAL - 12.5			

Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748 Signature MPLBet. Date 28/11/22





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no	Street no	Lot no	Street name / Plan Reference Binningup Terrace		
	Suburb				State	Postcode
	Eglinton				WA	6034
Local government area	City of W	anneroo		,		
Main BCA class of the building	Class 1a	Class 1a Use(s) of the building Residential dwelling				
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class 1	10a building/s	

Determination of Highest Bushfire Attack Level								
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL				
Method 1	Class D Scrub	Flat/upslope	55 m	BAL - 12.5				

Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748 Signature Whichetter Date 28/11/22





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Property Details an	d Descripti	on of Works							
Address Details	Unit no	Unit no Street no Lot no Street name / Plan Reference 65 Binningup Terrace							
	Suburb				State	Postcode			
	Eglinton				WA	6034			
Local government area	City of W	City of Wanneroo							
Main BCA class of the building	Class 1a	Class 1a Use(s) of the building Residential dwelling							
Description of the building or works	Construc	ction of a sing	le Class 1	a building and associated Class	10a building/s				

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D Scrub	Flat/upslope	42 m	BAL - 12.5

BPAD Accredited Practitioner Details Name Louisa Robertson **Company Details** I hereby declare that I am a BPAD JBS&G Australia Pty Ltd accredited bushfire practitioner. Accreditation No. 36748 I hereby certify that I have undertaken the assessment of the above site and determined Signature mresbet. the Bushfire Attack Level stated above in accordance with the requirements of Date AS 3959-2018. **Authorised Practitioner Stamp**





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no	Unit no Street no Lot no Street name / Plan Reference 66 Binningup Terrace							
	Suburb				State	Postcode			
	Eglinton	linton WA 6							
Local government area	City of W	City of Wanneroo							
Main BCA class of the building	Class 1a Use(s) of the building Residential dwelling								
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class	10a building/s				

Determination of Highest Bushfire Attack Level								
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL				
Method 1	Class D Scrub	Flat/upslope	31 m	BAL - 12.5				

Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748 Signature Implication Date 28/11/22 Authorised Practitioner Stamp





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no	Street no	Lot no 144	Street name / Plan Referent Binningup Terrace	ce		
	Suburb Eglinton				State WA	Postcode 6034	
Local government area	City of W	anneroo					
Main BCA class of the building	Class 1a	Use(s buildi) of the ng	Residential dwelling			
Description of the building or works	Construc	tion of a sing	le Class 1	a building and associated Class	10a building/s		

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL	
Method 1	Class D Scrub	Flat/upslope	>100 m	BAL – LOW	

Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748 Signature WM Rabeta Date 28/II/22 Authorised Practitioner Stamp





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no	Street no	Lot no 145	Street name / Plan Reference Binningup Terrace	е		
	Suburb				State	Postcode	
	Eglinton			WA	6034		
Local government area	City of W	anneroo					
Main BCA class of the building	Class 1a	Use(s) buildi	of the	Residential dwelling			
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class	10a building/s		

Determination of Highest Bushfire Attack Level								
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL				
Method 1	Class D Scrub	Flat/upslope	>100 m	BAL – LOW				

Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748 Signature WRobert . Date 28 | 11 | 22





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no	Street no	Lot no 146	Street name / Plan Reference Binningup Terrace	ce		
	Suburb				State	Postcode	
	Eglinton	Eglinton			WA	6034	
Local government area	City of W	anneroo					
Main BCA class of the building	Class 1a	Use(s buildi) of the ng	Residential dwelling			
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class	10a building/s		

Determination of Highest Bushfire Attack Level								
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL				
Method 1	Class D Scrub	Flat/upslope	>100 m	BAL – LOW				

Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748 Signature WRabert Date 28 | II | 22





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no	Street no	Lot no 147	Street name / Plan Referen Binningup Terrace	ce		
	Suburb Eglinton				State WA	Postcode 6034	
Local government area	City of Wanneroo						
Main BCA class of the building	Class 1a		Use(s) of the Building Residential dwelling				
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class	s 10a building/s		

AS 3959 Assessment	Vegetation Classification	Effective	Separation	BAL
Procedure		Slope	Distance	
Method 1	Class D Scrub	Flat/upslope	>100 m	BAL - LOW

BPAD Accredited Practitioner Details Name Louisa Robertson I hereby declare that I am a BPAD accredited bushfire practitioner. **Company Details** Accreditation No. 36748 JBS&G Australia Pty Ltd I hereby certify that I have undertaken the Signature (N assessment of the above site and determined Date the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. **Authorised Practitioner Stamp**





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Property Details and	d Descripti	on of Works						
Address Details	Unit no	Street no	Lot no 148	Street name / Plan Reference Binningup Terrace				
	Suburb Eglinton				State WA	Postcode 6034		
Local government area	City of Wanneroo							
Main BCA class of the building	Class 1a	Use(s) buildi) of the ng	Residential dwelling				
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class 10	a building/s			

AS 3959 Assessment	V	Effective	Separation	DAL
Procedure	Vegetation Classification	Slope	Distance	BAL
Method 1	Class D Scrub	Flat/upslope	>100 m	BAL - LOW

Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748 Signature MRSbett. Date 28/11/22 Authorised Practitioner Stamp





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Property Details and	d Descripti	on of Works						
Address Details	Unit no Street no Lot no Street name / Plan Reference 149 Binningup Terrace							
	Suburb Eglinton				State WA	Postcode 6034		
Local government area	City of Wanneroo							
Main BCA class of the building	Class 1a	Use(s buildi) of the ng	Residential dwelling				
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class 1	Oa building/s			

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D Scrub	Flat/upslope	>100 m	BAL – LOW

Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748 Signature MRSboth Date 28/11/22 Authorised Practitioner Stamp





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Property Details and	d Descripti	on of Works					
Address Details	Unit no	Street no	Lot no 150	Street name / Plan Reference Binningup Terrace			
	Suburb Eglinton				State WA	Postcode 6034	
Local government area	City of W	City of Wanneroo					
Main BCA class of the building	Class 1a	Use(s buildi	of the	Residential dwelling			
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class 10	Da building/s		

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D Scrub	Flat/upslope	>100 m	BAL – LOW

Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748 Signature MRSbett. Date 28/11/22





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no	Street no	Lot no 151	Street name / Plan Reference Binningup Terrace	е	
	Suburb				State	Postcode
	Eglinton				WA	6034
Local government area	City of Wanneroo					
Main BCA class of the building	Class 1a	Use(s) buildi	of the	Residential dwelling		
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class 2	10a building/s	

AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D Scrub	Flat/upslope	>100 m	BAL – LOW

Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748 Signature MRSbett. Date 28/11/22





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no	Street no	Lot no 152	Street name / Plan Reference Binningup Terrace	ce		
	Suburb				State	Postcode	
	Eglinton				WA	6034	
Local government area	City of W	Vanneroo					
Main BCA class of the building	Class 1a	Use(s buildi) of the ng	Residential dwelling			
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class	10a building/s		

, , see a sisterior	AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
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Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748 Signature MRSbett. Date 28/11/22





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Property Details and	d Descripti	on of Works					
Address Details	Unit no	Street no	Lot no 153	Street name / Plan Reference Binningup Terrace			
	Suburb Eglinton				State WA	Postcode 6034	
Local government area	City of W	ity of Wanneroo					
Main BCA class of the building	Class 1a	Use(s buildi) of the ng	Residential dwelling			
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class 10	a building/s	1	

	AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
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Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 367 48 Signature MRDEN Date 28/11/22 Authorised Practitioner Stamp





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no	Street no	Lot no 154	Street name / Plan Reference Binningup Terrace	е	
	Suburb Eglinton				State WA	Postcode 6034
Local government area	City of W	City of Wanneroo				
Main BCA class of the building	Class 1a	Use(s buildi) of the ng	Residential dwelling		
Description of the building or works	Construc	tion of a sing	le Class 1	a building and associated Class	10a building/s	

S 3959 Assessment	Variable Administration	Effective	Separation	- 273
Procedure	Vegetation Classification	Slope	Distance	BAL
Method 1	Class D Scrub	Flat/upslope	67 m	BAL - 12.5

BPAD Accredited Practitioner Details

Name

Louisa Robertson

Company Details

JBS&G Australia Pty Ltd

I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018.

I hereby declare that I am a BPAD accredited bushfire practitioner.



Accreditation No. 3671

Signature MRSbert

Date 28/11/22

Authorised Practitioner Stamp





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no	Street no	Lot no	Street name / Plan Reference Binningup Terrace	е	
	Suburb				State	Postcode
	Eglinton				WA	6034
Local government area	City of W	City of Wanneroo				
Main BCA class of the building	Class 1a	Use(s) buildi) of the ng	Residential dwelling		
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class	10a building/s	

etermination of Highes	t Bushfire Attack Level			
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL
Method 1	Class D Scrub	Flat/upslope	57 m	BAL - 12.5

Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748 Signature MRSbew. Date 28/11/22 Authorised Practitioner Stamp





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Address Details	Unit no	Street no	Lot no 156	Street name / Plan Reference Binningup Terrace	е	
	Suburb Eglinton				State WA	Postcode 6034
Local government area	City of W	y of Wanneroo				
Main BCA class of the building Class 1a building Residential dwelling						
Description of the building or works	Construction of a single Class 1a building and associated Class 10a building/s					

Determination of Highest Bushfire Attack Level							
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL			
Method 1	Class D Scrub	Flat/upslope	46 m	BAL - 12.5			

Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748 Signature MRSbeh. Date 28/11/22 Authorised Practitioner Stamp





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

Property Details and Description of Works								
Address Details	Unit no	Street no	Lot no 157	Street name / Plan Reference Binningup Terrace				
	Suburb Eglinton				State WA	Postcode 6034		
Local government area City of Wanneroo								
Main BCA class of the building Class 1a Use(s) of the building Residential dwelling					- 1			
Description of the building or works Construction of a single Class 1a building and associated Class 10a building/s								

Determination of Highest Bushfire Attack Level							
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL			
Method 1	Class D Scrub	Flat/upslope	32 m	BAL - 12.5			

3PAD Accredited Practitioner Details	
Name Louisa Robertson	DDAD °
ompany Details S&G Australia Pty Ltd	I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748
sessment of the above site and determined e Bushfire Attack Level stated above in	Signature masser.
ccordance with the requirements of S 3959-2018.	Date 28/11/22
	Authorised Practitioner Stamp





Determined in accordance with AS 3959-2018

This Certificate has been issued by a person accredited by Fire Protection Association Australia under the Bushfire Planning and Design (BPAD) Accreditation Scheme. The certificate details the conclusions of the full Bushfire Attack Level Assessment Report (full report) prepared by the Accredited Practitioner.

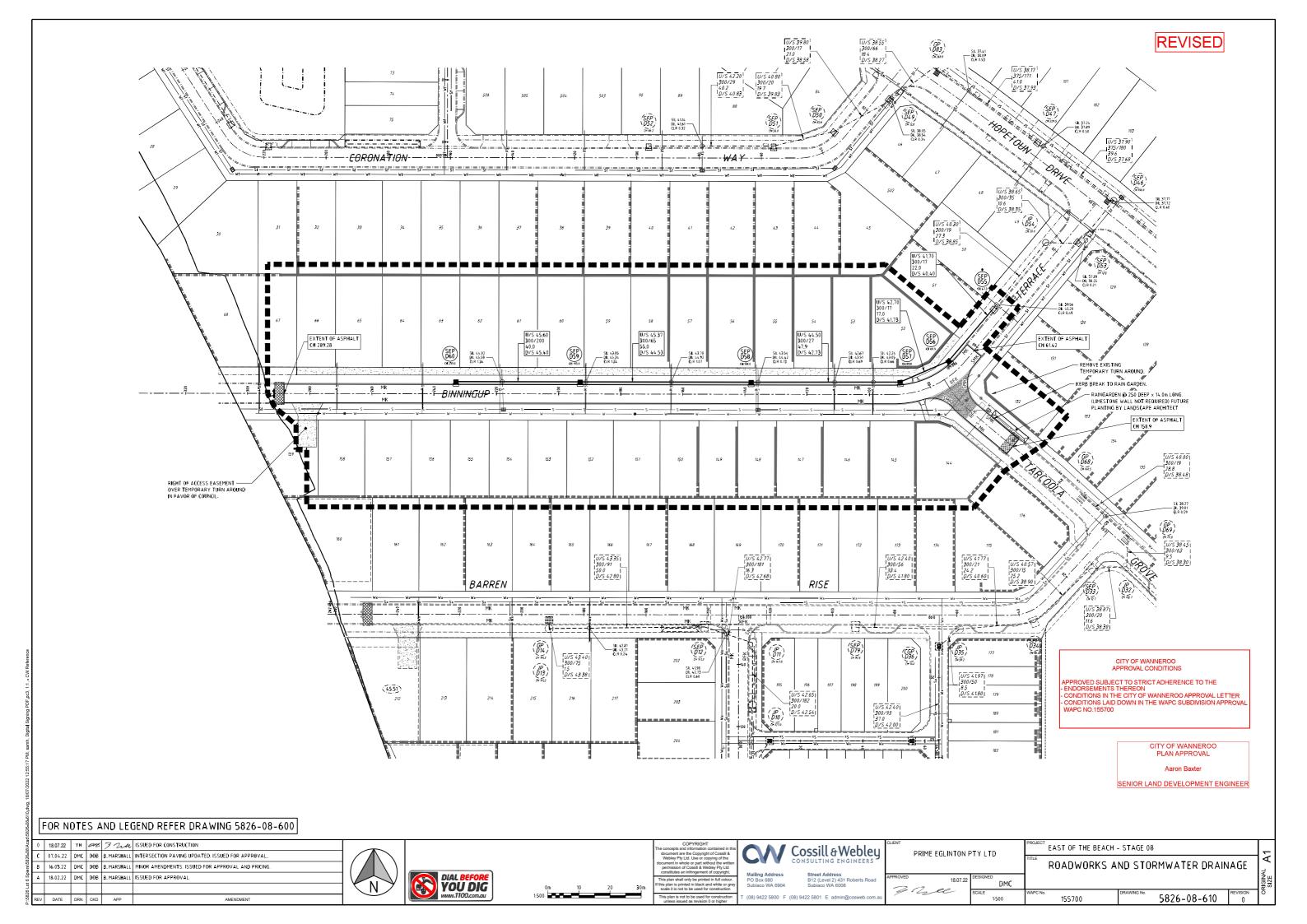
Property Details and	d Descripti	on of Works					
Address Details	Unit no	Street no	Lot no	Street name / Plan Referenc	e		
			158	Binningup Terrace			
	Suburb				State	Postcode	
Eglinton					WA	6034	
Local government area	City of Wanneroo						
Main BCA class of the building Use(s) of the building Residential dwelling							
Description of the building or works	Construc	tion of a sing	le Class 1a	a building and associated Class	10a building/s		

Determination of Highest Bushfire Attack Level							
AS 3959 Assessment Procedure	Vegetation Classification	Effective Slope	Separation Distance	BAL			
Method 1	Class D Scrub	Flat/upslope	19 m	BAL - 19			

Name Louisa Robertson Company Details JBS&G Australia Pty Ltd I hereby certify that I have undertaken the assessment of the above site and determined the Bushfire Attack Level stated above in accordance with the requirements of AS 3959-2018. I hereby declare that I am a BPAD accredited bushfire practitioner. Accreditation No. 36748 Signature White Robert Date 28/11/22 Authorised Practitioner Stamp



Appendix B Stage 8 Civil Roadworks plan





Appendix C Pre-Calculated Plan



25 0 SCALE 1: 1250 @ A1

ALL DISTANCES ARE IN METRES

PLANNER'S DESIGN SOURCE for Rev Y Planner:- CLE Received date:- 7/04/2022 File name:- 99389-012X markup.pdf ENGINEER'S DESIGN SOURCE for Rev U Engineer:- Cossills Received date:- 18/06/2021 Data purpose:- POWER

All areas and dimensions depicted on this plan are subject to survey and Landgate registration. All cadastral information external to the stage/s which form the subject of this plan are not guaranteed and are supplied as a guide only.



MC MULLEN NOLAN GROUP Level 1, 2 Sabre Crescent Jandakot, W.A. 6164 PO Box 3526, Success W.A. 6964, Australia Offices in: Perth | Melbourne | Ki

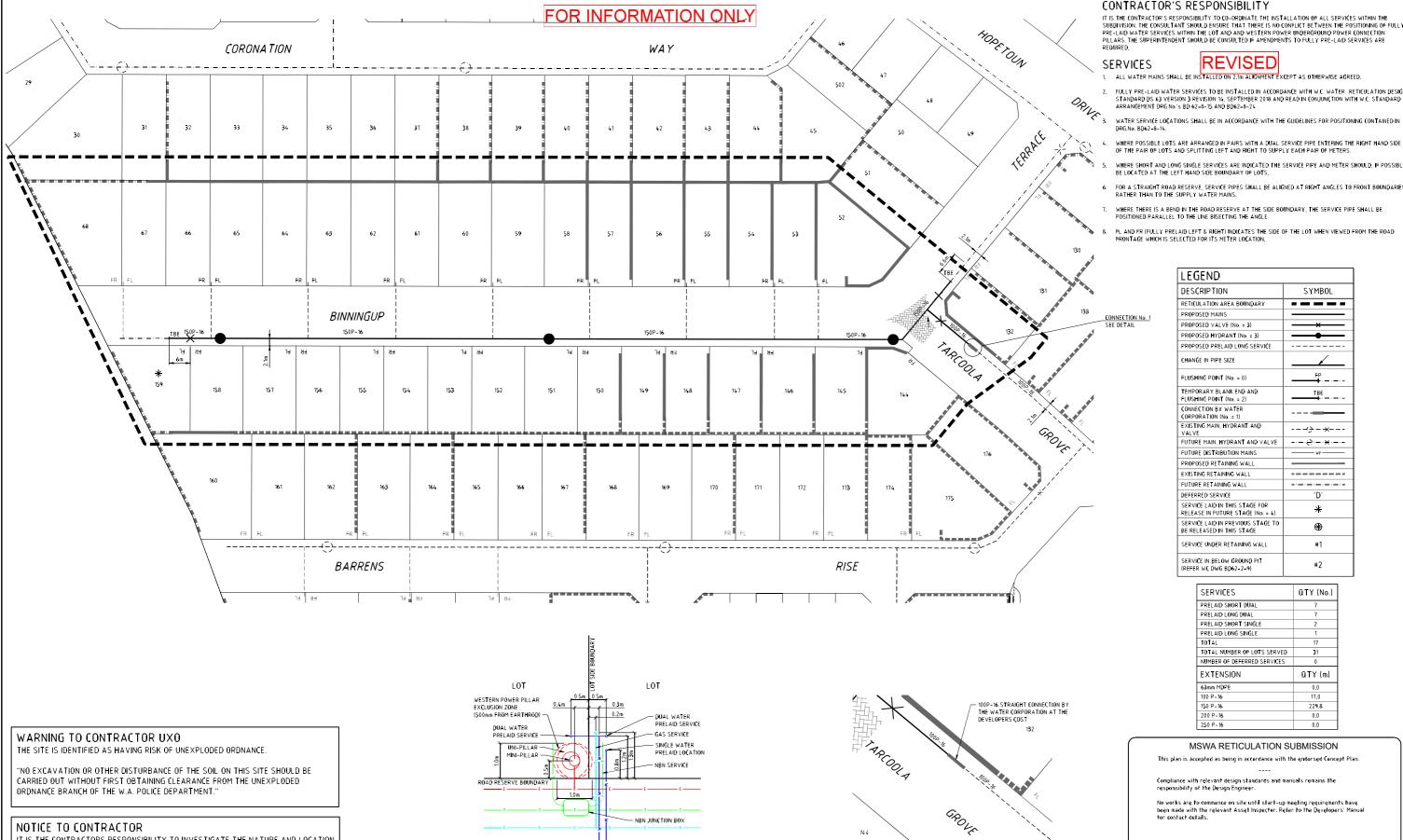
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alia ABN 90 000 363 311
| Melbourne | Kimberley | South West W.A.

 Project Mngr.
 Robert J.RHODES
 Datum
 PCG94

 99389 012 - AB



Appendix D Stage 8 Civil Water Reticulation plan



CONTRACTOR'S RESPONSIBILITY

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CO-ORDINATE THE INSTALLATION OF ALL SERVICES WITHIN THE SUBDIVISION. THE CONSULTANT SHOULD ENSURE THAT THERE IS NO CONFLICT BETWEEN THE POSITIONING OF FULL SUBJECTION OF THE PROPERTY OF THE FOR THE FOR

REVISED

- 1. ALL WATER MAINS SHALL BE INSTALLED ON 2.1m ALIGNMENT EXCEPT AS OTHERWISE AGREED.
- 2 FULLY PRE-LIAID WATER SERVICES TO BE INSTALLED IN ACCORDANCE WITH WIC WATER RETICULATION DESIGN STANDARD DS 63 VERSION 3 REVISION 14, SEPTEMBER 2018 AND READ IN CONJUNCTION WITH W.C. STANDARD ARRANGEMENT DRG.No.'s BD 62-8-15 AND BD62-8-24
- WHERE POSSIBLE LOTS ARE ARRANGED IN PAIRS WITH A DUAL SERVICE PIPE ENTERING THE RIGHT HAND SIDE OF THE PAIR OF LOTS AND SPLITTING LEFT AND RIGHT TO SUPPLY EACH PAIR OF METERS.
- WHERE SHORT AND LONG SINGLE SERVICES ARE INDICATED THE SERVICE PIPE AND METER SHOULD, IF POSSIBLE BE LOCATED AT THE LEFT HAND SIDE BOUNDARY OF LOTS.
- FOR A STRAIGHT ROAD RESERVE, SERVICE PIPES SHALL BE ALIGNED AT RIGHT ANGLES TO FRONT BOUNDARIE RATHER THAN TO THE SUPPLY WATER MAINS.
- WHERE THERE IS A BEND IN THE ROAD RESERVE AT THE SIDE BOUNDARY, THE SERVICE PIPE SHALL BE POSITIONED PARALLEL TO THE LINE BISECTING THE ANGLE.
- FL AND FR (FULLY PRELAID LEFT & RIGHT) INDICATES THE SIDE OF THE LOT WHEN VIEWED FROM THE ROAD FRONTAGE WHICH IS SELECTED FOR ITS METER LOCATION.

LEGEND	
DESCRIPTION	SYMBOL
RETICULATION AREA BOUNDARY	
PROPOSED MAINS	
PROPOSED VALVE (No. = 3)	×
PROPOSED HYDRANT (No. = 3)	
PROPOSED PRELAID LONG SERVICE	
CHANGE IN PIPE SIZE	
FLUSHING POINT (No. = 0)	FP.
TEMPORARY BLANK END AND FLUSHING POINT (No. = 2)	TBE
CONNECTION BY WATER CORPORATION (No. = 1)	
EXISTING MAIN, HYDRANT AND VALVE	3×
FUTURE MAIN, HYDRANT AND VALVE	
FUTURE DISTRIBUTION MAINS	
PROPOSED RETAINING WALL	
EXISTING RETAINING WALL	
FUTURE RETAINING WALL	
DEFERRED SERVICE	,D,
SERVICE LAID IN THIS STAGE FOR RELEASE IN FUTURE STAGE (No. = 4)	*
SERVICE LAID IN PREVIOUS STAGE TO BE RELEASED IN THIS STAGE	₩
SERVICE UNDER RETAINING WALL	#1
SERVICE IN BELOW GROUND PIT (REFER WC DWG BD62-2-9)	#2

SERVICES	QTY (No.)
PRELAID SHORT DUAL	7
PRELAID LONG DUAL	7
PRELAID SHORT SINGLE	2
PRELAID LONG SINGLE	1
TOTAL	17
TOTAL NUMBER OF LOTS SERVED	31
NUMBER OF DEFERRED SERVICES	0
EXTENSION	QTY (m)
63mm MDPE	0.0
100 P-16	17.0
150 P-16	229.8
200 P-16	0.0
250 P-16	0.0

MSWA RETICULATION SUBMISSION

This plan is accepted as being in accordance with the endorsed Concept Plan:

Compliance with relevant design standards and manuals remains the responsibility of the Design Engineer.

No works are to commence on site until start-up meeting requirements have been made with the relevant Asset Inspector. Refer to the Developers' Manual for contact details.

NY43-103-001-01A

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95							
08\Acad\582	0	18.07.22	YH	our	3 2u	ISSUED FOR CONSTRUCTION	
326.0	C	04.05.22	DMC	DOB	B. MARSHALL	UPDATED TO REFLECT WATERCORP COMMENTS. ISSUED FOR APPROVAL.	Π.
Spiers\5826	В	07.04.22	DMC	DOB	B. MARSHALL	LENGTH OF WATERMAIN REDUCED. ISSUED FOR APPROVAL AND PRICING.	\Box (
9	А	18.02.22	DMC	DOB	B. MARSHALL	ISSUED FOR APPROVAL	\neg (
6 Lot							╗,
:\5826	RE\	DATE	DRN	CKD	APP	AMENDMENT	\neg

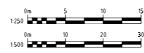
IT IS THE CONTRACTORS RESPONSIBILITY TO INVESTIGATE THE NATURE AND LOCATION OF ALL SERVICES WHICH MAY BE ENCOUNTERED AND TO CONSULT WITH THE RELEVANT SERVICE AUTHORITIES PRIOR TO COMMENCEMENT OF EXCAVATIONS.

FAILURE TO DO SO OR TO TAKE DUE CARE SHALL NOT LIMIT THE CONTRACTORS LIABILITY FOR REPAIR OF ALL SERVICES DAMAGED BY HIM DURING CONSTRUCTION WORKS THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY FOR THE

PROTECTION OF ALL EXISTING SERVICES.







TYPICAL SERVICE LOCATIONS PLAN





CONNECTION DETAIL No. 1

CLIENT	PRIME EGLINTON F	PTY LTD
APPROVED	18.07.22	DESIGNED
2	are	SCALE

NTON F	PTYLTD	PROJECT	EAST OF THE BEACH -	- STAGE 08		
	11210	TITLE	WATER RETICUI	LATION	PLAN	
18.07.22	DESIGNED DMC					
	SCALE 1:250 1:500	WAPC No.	155700	DRAWING No.	5826-08-500	RE



Appendix E Vegetation plot photos and description



Plot 1				
Vegetation classification	Class D Scrub			
Description / justification	Vegetation with a continuous horizontal and vertical structure, greater than 2 m high at maturity			



Photo ID: 1a





Photo ID: 1c Visible in the background



Photo ID: 1d Visible in the background



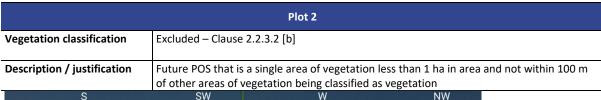






Photo ID: 2b



Plot 3				
Vegetation classification	Excluded – Clause 2.2.3.2 [c]			
Description / justification	Multiple areas of vegetation less than 0.25 ha in area and not within 20 m of the lots or other areas of vegetation being classified as vegetation			



Photo ID: 3a (Nearmap 23/11/2022)



Photo ID: 3b Background right



Photo ID: 3c Background left



Plot 4				
Vegetation classification	Excluded – Non-vegetated and Low threat (Clause 2.2.3.2 [e] and [f])			
	Non-vegetated areas including future roads, footpaths, driveways and building footprints that have been cleared for development			















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Document Status

Report Rev No version	Day No.	No. Purpose	Author	Reviewed and Approved for Issue	
	Kev No.			Name	Date
Final Report	Rev 0	Issued for use: to facilitate subdivision clearances and accompany future building permit applications		Louisa Robertson (BPAD 36748, Level 3)	28 November 2022