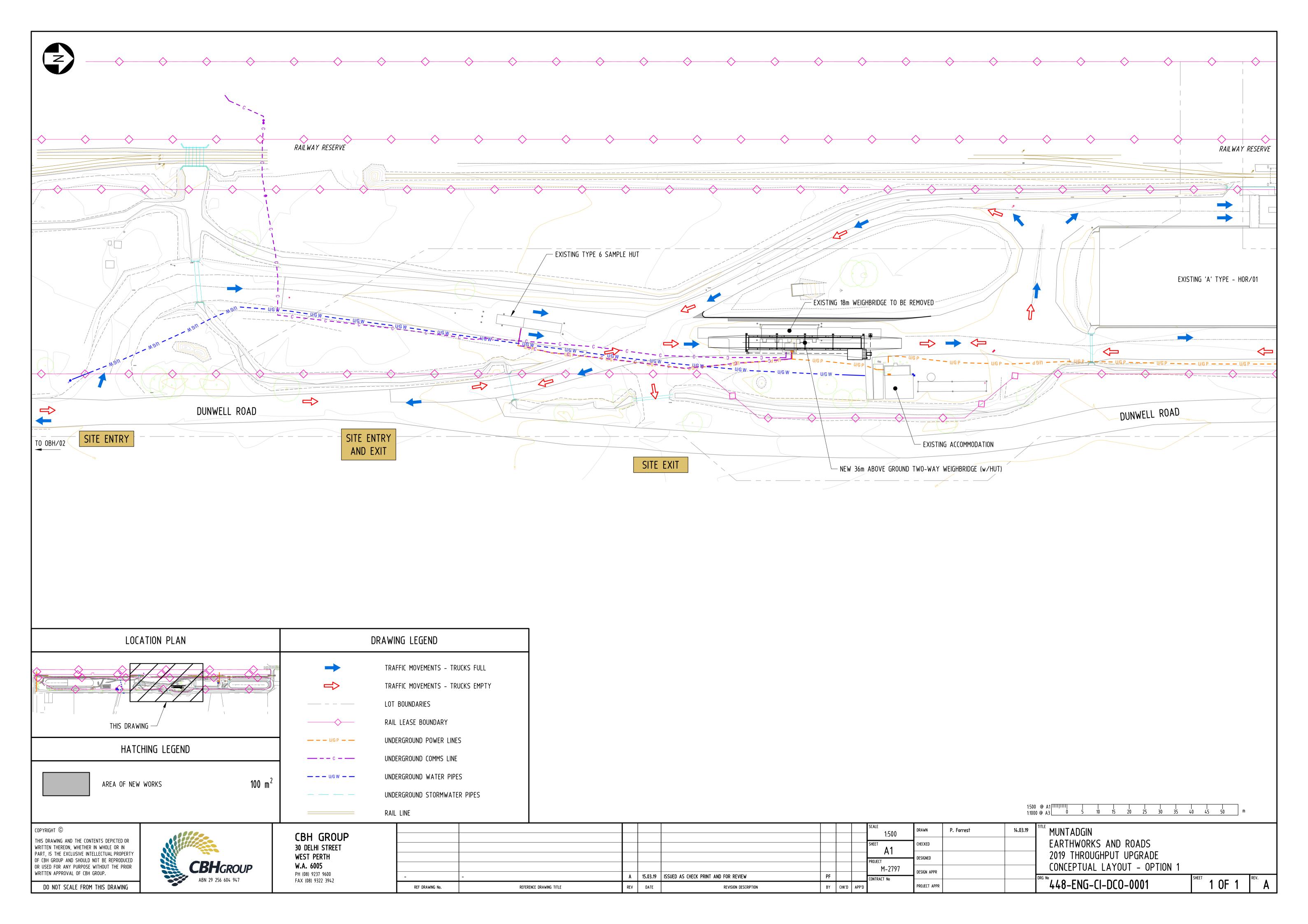


#### **APPLICATION FOR PLANNING APPROVAL**

LOCAL PLANNING SCHEME No. 6 - SCHEDULE 6 - (CLAUSE. 9.1.1)

OWNERS DETAI	LS								
	Public Transp	oort Authority		-					
Name/s:	T abile Transp	ort rathority							
PO Box 8125 Perth Business Centre									
Address.						Post Code: 6849			
Phone work:	9326 2000 23	9326 <del>-2000</del> 2314 Phone home:					Fax:		
Mobile:	Email: info@pta.wa.gov.aujanele.menegola@pa.wa.gv								
Signature:	() Thomas	Evacutive Director						5/19	
Signature:	O' hans	u masu		Service			Date:		\
	NB: The	owner/s signature	/s are	reguire	d for your application	ation to b	e proces	sed.	
				•					1
APPLICANTS DE	NEW AND PROPERTY.								
Name: Cooper	ative Bulk Handl							$\checkmark$	\
Address:	GPO Box L88	66 Perth WA						$\rightarrow$	
								P	Post Code: 6842
Contact person	for correspondence	e: Tim Dolling							
Phone work:	9216 6094			33333333	home:			Fax:	
Mobile:	0439 969 835	1.		Email:	tim.dolling@c	bh.com.	au		$\triangle$
Signature:	Dol	1				Date:	15 May	2019	
PROPERTY DETA	AILS		\$ W.						
Lot No:	64	House,	/Street	eet No: Location I		No:			
Street name:	Dunwell Road								
Suburb:	Muntadgin					1	Post Code	2:	6420
Nearest street i	ntersection:								
Diagram or plan	Plan 21343	3 Certific	cate of	title:	title: LR3021 Folio: 40		9		
Title encumbrar	nces (e.g. easemen	ts, restrictive cove	nants)	)					/ /
PROPOSED OR	EXISTING BUILDING	G/LAND USE	-//2:23	8376		E 78-07		_/	
Description of p	scription of proposed velopment and/or land use:  New 36 m long weighbridge with hut to replace existing 18 m long weighbridge with hut.								
	existing buildings  Truck marehalling, weighing, grain sampling, received, storage and staff facilities								
Approximate co development:									
	timated time of completion:								
OFFICE USE ON	LY								
Acceptance Offi						Date	received:		
Local governme	ent reference no:								





# MUNTADGIN



TRAFFIC FLOW FULL



TRAFFIC FLOW EMPTY



FIRST AID KIT



**MUSTER POINT** 



FIRE EXTINGUISHER

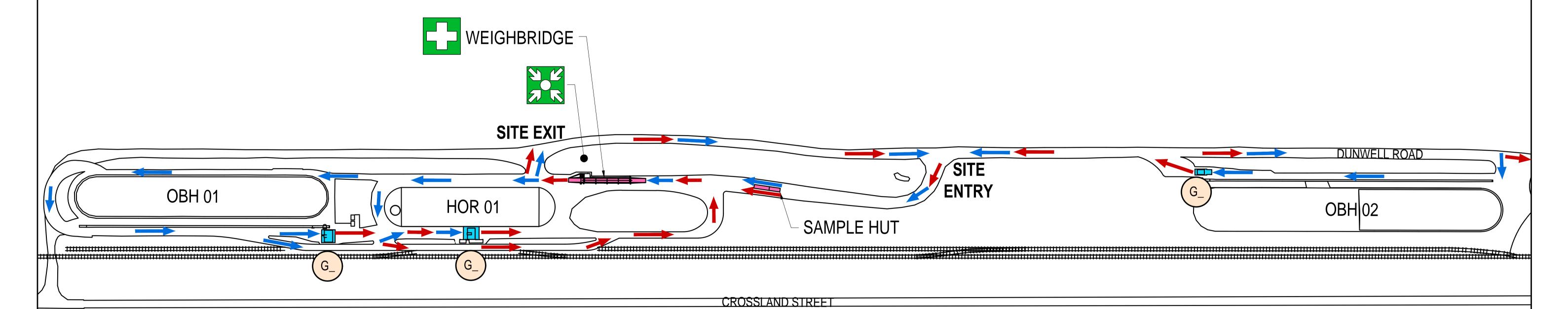


FUEL STORAGE/DANGEROUS GOODS



**GRID NUMBER** 

**RAILWAY** 



COPYRIGHT ©

THIS DRAWING AND THE CONTENTS DEPICTED OR WRITTEN THEREON, WHETHER IN WHOLE OR IN PART, IS THE EXCLUSIVE INTELLECTUAL PROPERTY OF CBH GROUP AND SHOULD NOT BE REPRODUCED OR USED FOR ANY PURPOSE WITHOUT THE PRIOR WRITTEN APPROVAL OF CBH GROUP.

DO NOT SCALE FROM THIS DRAWING



CBH GROUP 30 DELHI STREET WEST PERTH W.A. 6005 FAX (08) 9322 3942

REF DRAWING No.

A 18.06.19 ISSUED AS CHECK PRINT AND FOR REVIEW

REFERENCE DRAWING TITLE

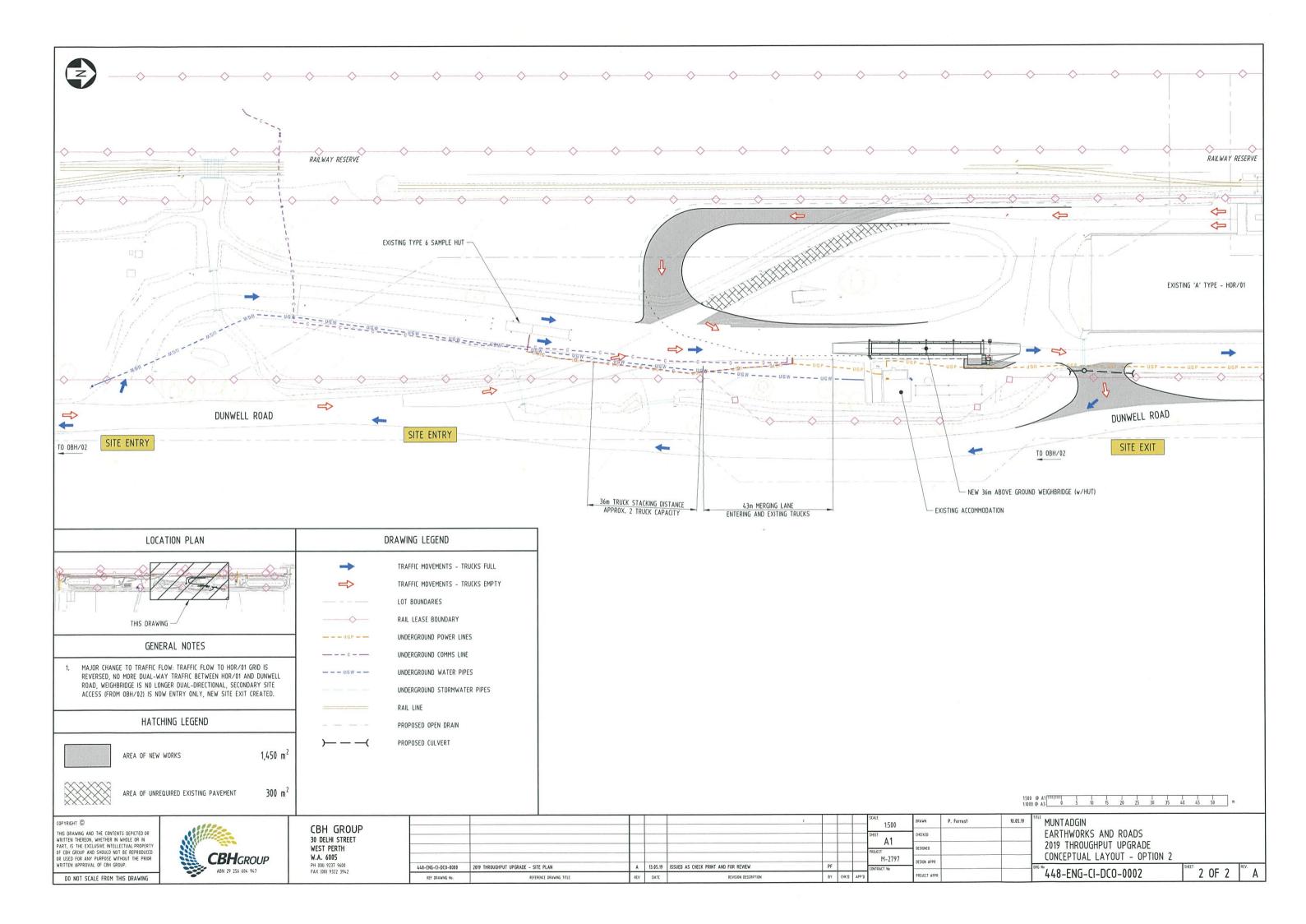
REV DATE

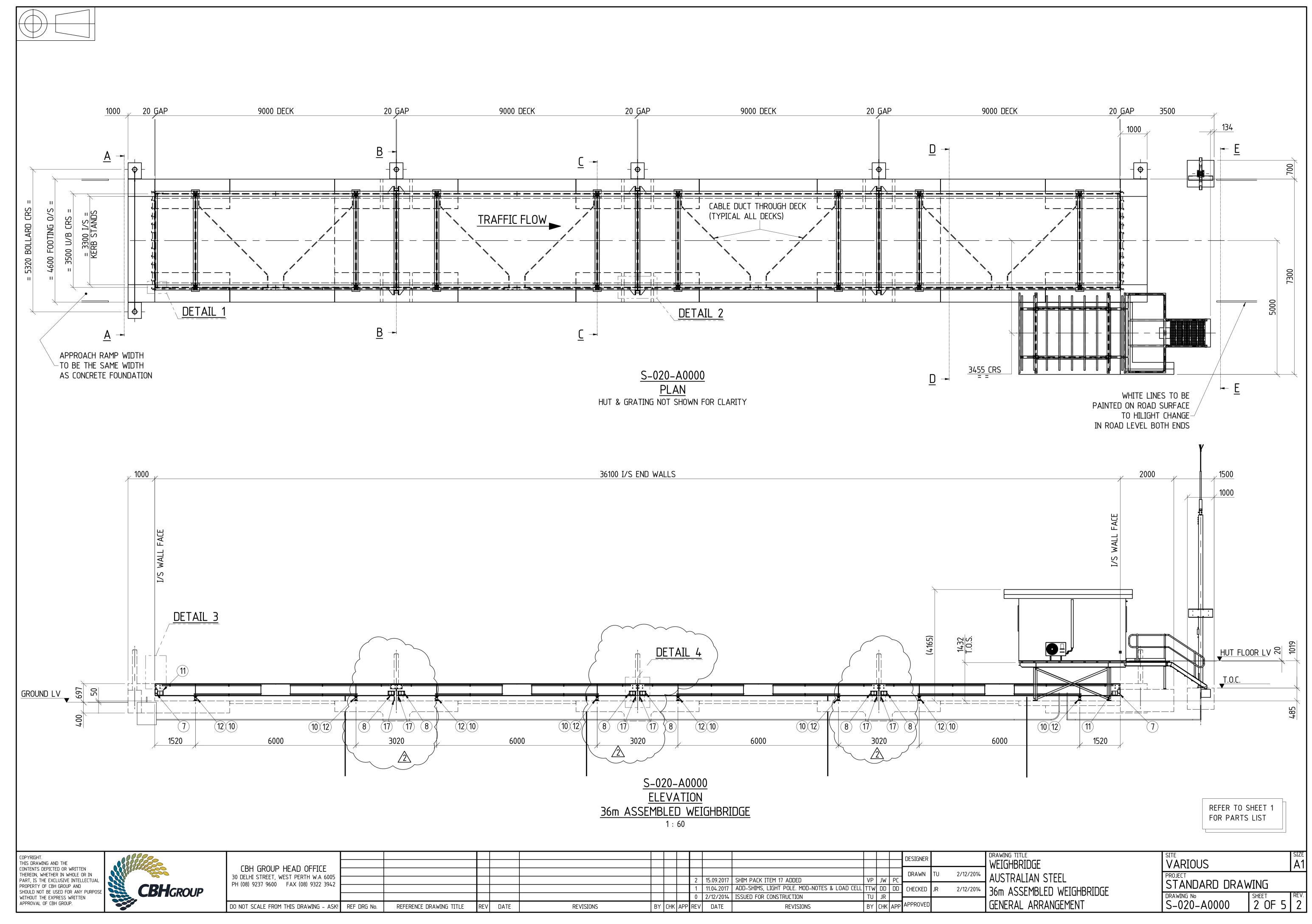
REVISION DESCRIPTION

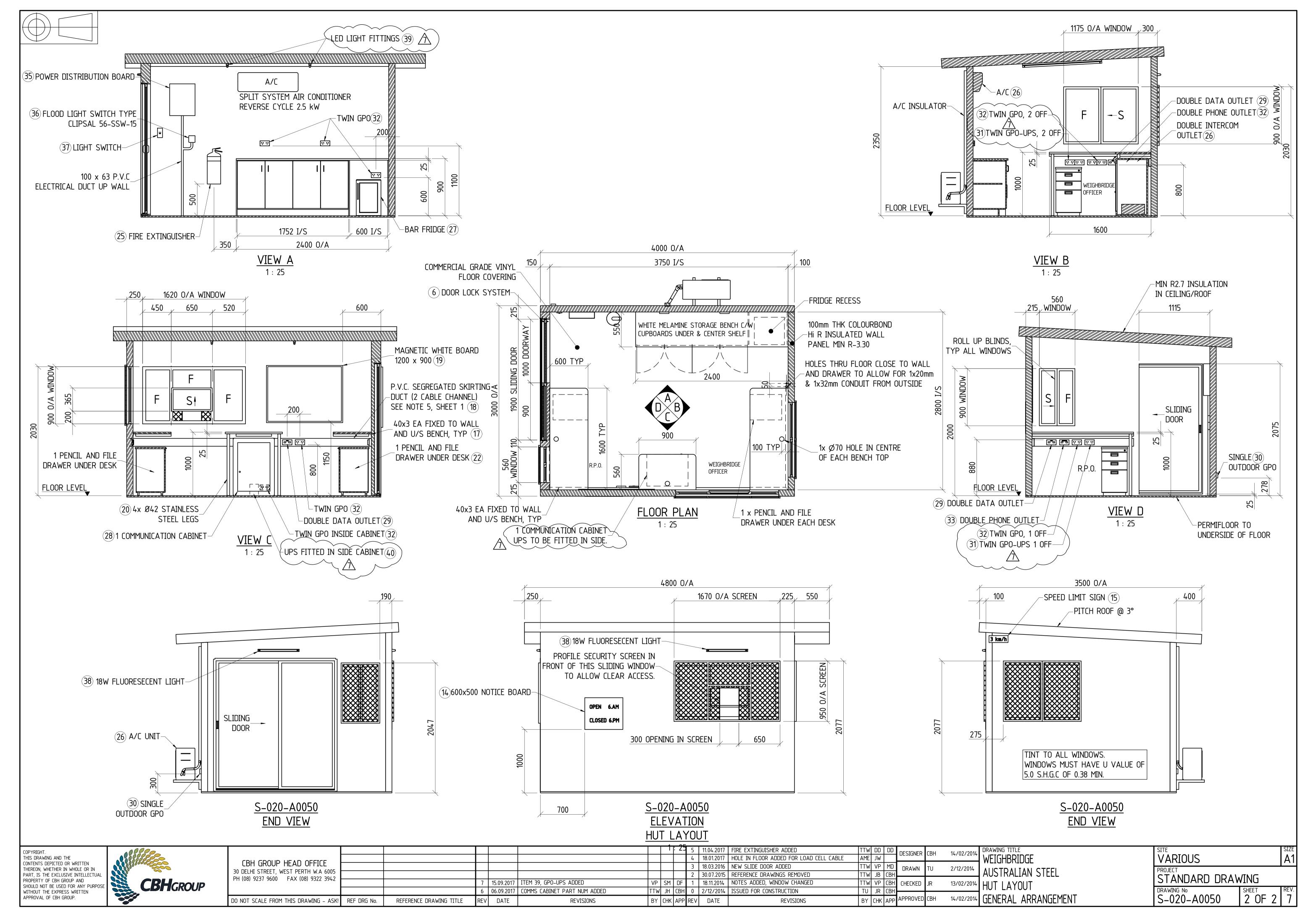
BY CHK'D APP'D PROJECT APPR MUNTADGIN RECEIVAL POINT TRAFFIC FLOW MAP

<sup>™</sup>448-ENG-CI-MAP-0000

1 OF 1







#### Peter Zenni

From: Dolling, Tim <Tim.Dolling@cbh.com.au>

**Sent:** Monday, 10 June 2019 11:55 AM

To: Peter Zenni

Subject: Application for planning approval

Attachments: Application for planning approval letter.pdf; 1\_Planning\_Application\_Form.pdf; 448-

ENG-CI-DCO-0002 A.PDF; S-020-A0000-R2 sheet 2 of 5.pdf; S-020-A0050-R7 sheet

2 of 2.pdf; BMP\_Muntadgin.pdf; BMP\_Coversheet\_Muntadgin.pdf

Peter,

I phoned the office earlier to advise I would be emailing an application to improve truck weighing facilities at the Muntadgin grain receival site.

Proposed development includes installation of a new 36 m long weighbridge and hut to replace the existing 18 m long weighbridge and hut, new internal road and site exit.

Please find attached the following documentation and drawings:

- Covering letter
- Application for planning approval form
- Concept layout option 1 (site plan) drawing 448-ENG-CI-DCO-0002\_A
- General arrangement drawing S-020-A0000-R2 sheet 2 of 5 for the weighbridge
- GA drawing S-020-A0050-R7 sheet 2 of 2 for the hut
- Bushfire management plan and coversheet.

Please save the PDF versions of the application form and drawings as hard copies won't be posted.

Await advice on the requirements for payment of the application fee.

Regards,

#### **TIM DOLLING**

Planning and Approvals Coordinator Level 6, 240 St Georges Tce, Perth WA 6000 T (08) 9216 6094 M 0439 969 835 Tim.Dolling@cbh.com.au



This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this mail in error please notify the originator of the message. This footer also confirms that this email message has been scanned for the presence of computer viruses.

Any views expressed in this message are those of the individual sender, except where the sender specifies and with authority, states them to be the views of the CBH Group.

#### Peter Zenni

From:

Dolling, Tim <Tim.Dolling@cbh.com.au>

Sent:

Thursday, 20 June 2019 9:51 AM

To:

Peter Zenni

Subject:

RE: Application for planning approval

**Attachments:** 

448-ENG-CI-DCO-0001 A.PDF; 448-ENG-CI-MAP-0000\_A.pdf

Follow Up Flag: Flag Status:

Follow up

Flagged

Peter,

Regarding your email below, at this stage advice as follows and await further comments.

Location of existing weighbridge: please find attached conceptual layout – option 1 drawing 448-ENG-CI-DCO-001\_A showing the existing 18 m weighbridge to be removed and proposed 36 m weighbridge and hut over.

Site exit crossover and culvert: drawings are to be prepared for construction of the crossover including specifications for the headwalls and culvert and further advice to follow.

Dunwell Rd surface and RAV rating: Truck Drivers are required to comply with Tandem Drive Network 7.3 with no operation on unsealed road when visibly wet without approval.

Whole of site plan and vehicle flow paths: please find attached 'traffic flow paths drawing 448-ENG-CI-DCO-0000\_A showing truck flow paths on Dunwell Road and within the site.

Noise complaint: the Area Manager will contact you to discuss steps implemented or an Operations noise management plan will be prepared and submitted.

Regards,

#### **TIM DOLLING**

Planning and Approvals Coordinator Level 6, 240 St Georges Tce, Perth WA 6000 T (08) 9216 6094 M 0439 969 835 Tim.Dolling@cbh.com.au



From: Peter Zenni <emds@merredin.wa.gov.au>

Sent: Monday, 17 June 2019 3:26 PM
To: Dolling, Tim <tim.dolling@cbh.com.au>
Subject: RE: Application for planning approval

**Cheers Tim** 

#### Peter Zenni EXECUTIVE MANAGER DEVELOPMENT SERVICES



Shire of Merredin PO Box 42 MERREDIN WA 6415

P: (08) 9041 1611 F: (08) 9041 2379 E: emds@merredin.wa.gov.au

W: www.merredin.wa.gov.au shireofmerredin

From: Dolling, Tim [mailto:Tim.Dolling@cbh.com.au]

Sent: Monday, 17 June 2019 3:20 PM

To: Peter Zenni < <a href="mailto:emds@merredin.wa.gov.au">emes@merredin.wa.gov.au</a> <a href="mailto:subject">Subject: RE: Application for planning approval</a>

Peter,

Email acknowledged and further advice to follow.

Regards,

#### **TIM DOLLING**

Planning and Approvals Coordinator Level 6, 240 St Georges Tce, Perth WA 6000 T (08) 9216 6094 M 0439 969 835 Tim.Dolling@cbh.com.au



From: Peter Zenni <emds@merredin.wa.gov.au>

Sent: Monday, 17 June 2019 3:15 PM

To: Dolling, Tim < tim.dolling@cbh.com.au >
Cc: Mike Hudson < emes@merredin.wa.gov.au >
Subject: RE: Application for planning approval

#### Hi Tim

Thank you for talking with me earlier today in relation to your application for development approval relating to proposed works at the CBH facility in Muntadgin. The drawings provided Ref 448-ENG-CI-DCO-0002 do not cover the whole of the site so it is difficult to ascertain the potential impact of the development on vehicular movements on site as well as on access and egress points to and from the site.

I note the annotation on the plan relating to the provision of a new 36m above ground weigh bridge with hut and information in the covering letter that this is to replace the existing 18m weighbridge and hut, however there is no annotation on the site plan showing the location of the existing weigh bridge facility.

I also note the provision of a proposed culvert and new crossover accessing Dunwell Road. The proposed culvert appears to be on PTA property but the crossover is on the Shire road reserve and would have to be constructed to the satisfaction of the Shires Executive Manager of Engineering Services.

I note that Dunwell Road is an unsealed road, can you please clarify how compliance will be achieved with the required RAV rating for vehicles accessing the CBH facility via the road in question.

Taking the above in to account could you please supply me with a more detailed site plan as well as additional information on the proposed vehicular movement on site as well as access to and from the site.

In addition, as discussed the Shire has previously received complaints associated with the use of air horns by truck drivers accessing the CBH site when unloading produce at the facility. The CBH facility is in close proximity to noise sensitive premises and the use of air horns is likely to exceed the assigned noise levels specified by the Environmental Protection (Noise) Regulations 1997. The Shire of Merredin is considering requiring that CBH develop and implement a noise management plan for the site. Can you please provide me with advise as to what steps CBH site management already have implemented or will be implementing to prevent unreasonable noise emissions and as such alleviate the need for a formal noise management plan.

#### Kind regards

#### Peter Zenni EXECUTIVE MANAGER DEVELOPMENT SERVICES



Shire of Merredin PO Box 42 MERREDIN WA 6415

P: (08) 9041 1611 F: (08) 9041 2379 E: emds@merredin.wa.gov.au

W: www.merredin.wa.gov.au Shireofmerredin

From: Dolling, Tim [mailto:Tim.Dolling@cbh.com.au]

**Sent:** Monday, 10 June 2019 11:55 AM

To: Peter Zenni < <a href="mailto:emds@merredin.wa.gov.au">emds@merredin.wa.gov.au</a> Subject: Application for planning approval

Peter,

I phoned the office earlier to advise I would be emailing an application to improve truck weighing facilities at the Muntadgin grain receival site.

Proposed development includes installation of a new 36 m long weighbridge and hut to replace the existing 18 m long weighbridge and hut, new internal road and site exit.

Please find attached the following documentation and drawings:

- Covering letter
- Application for planning approval form
- Concept layout option 1 (site plan) drawing 448-ENG-CI-DCO-0002\_A

- General arrangement drawing S-020-A0000-R2 sheet 2 of 5 for the weighbridge
- GA drawing S-020-A0050-R7 sheet 2 of 2 for the hut
- Bushfire management plan and coversheet.

Please save the PDF versions of the application form and drawings as hard copies won't be posted.

Await advice on the requirements for payment of the application fee.

Regards,

#### **TIM DOLLING**

Planning and Approvals Coordinator Level 6, 240 St Georges Tce, Perth WA 6000 T (08) 9216 6094 M 0439 969 835 Tim.Dolling@cbh.com.au



This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this mail in error please notify the originator of the message. This footer also confirms that this email message has been scanned for the presence of computer viruses.

Any views expressed in this message are those of the individual sender, except where the sender specifies and with authority, states them to be the views of the CBH Group.

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this mail in error please notify the originator of the message. This footer also confirms that this email message has been scanned for the presence of computer viruses.

Any views expressed in this message are those of the individual sender, except where the sender specifies and with authority, states them to be the views of the CBH Group.

This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this mail in error please notify the originator of the message. This footer also confirms that this email message has been scanned for the presence of computer viruses.

Any views expressed in this message are those of the individual sender, except where the sender specifies and with authority, states them to be the views of the CBH Group.

#### Peter Zenni

From:

Walker, Allan < Allan.Walker@cbh.com.au>

Sent:

Monday, 24 June 2019 12:19 PM

To:

Peter Zenni

Cc:

Elliott, Adam; O'Malley, Jerome

Subject:

Muntadgin

Hi Peter,

While outloading grain from Muntadgin using road transport CBH will advise all truck drivers not to use their air horns while on site rather use their normal horn or UHF radio.

This will be communicated with the truck drivers direct and at morning tool box meetings.

Regards

#### **ALLAN WALKER**

Zone Manager, Kwinana North

Gamenya Ave, Merredin WA P (08) 90 419069 M 0428 938601 Allan.walker@cbh.com.au



This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this mail in error please notify the originator of the message. This footer also confirms that this email message has been scanned for the presence of computer viruses.

Any views expressed in this message are those of the individual sender, except where the sender specifies and with authority, states them to be the views of the CBH Group.



ENQ: Tim Dolling DIRECT LINE: 08 9216 6094

10 June 2019

Mr Peter Zenni Executive Manager Development Services Shire of Merredin PO Box 42 Merredin WA 6415

Dear Peter

#### APPLICATION FOR PLANNING APPROVAL

I refer to the requirement to improve truck weighing facilities at the Muntadgin grain receival site.

Co-operative Bulk Handling Ltd

Level 6, 240 St Georges Terrace Perth WA 6000 Australia

ABN 29 256 604 947

GPO Box L886 Perth WA 6842 Australia

1800 199 083 cbh.com.au

Telephone +61 8 9327 9600 Grower Service Centre

Proposed development includes installation of a new 36 m long weighbridge and hut to replace the existing 18 m long weighbridge and hut, new internal road and site exit.

Please find enclosing the following documentation:

- Shire of Merredin application for planning approval form
- Concept layout No.1 (site plan) drawing 448-ENG-CI-DCO-0002\_A
- General arrangement drawing S-020-A0000-R2 sheet 2 of 5 for the weighbridge
- General arrangement drawing S-020-A0050-R7 sheet 2 of 2 for the hut
- Bushfire management plan and coversheet.

If you have any enquiries, please contact me on 9216 6094, 0439 969 835 or by email at <a href="mailto:tim.dolling@cbh.com.au">tim.dolling@cbh.com.au</a>.

Yours sincerely

I Dolls

For: Co-operative Bulk Handling Limited

**Tim Dolling** 

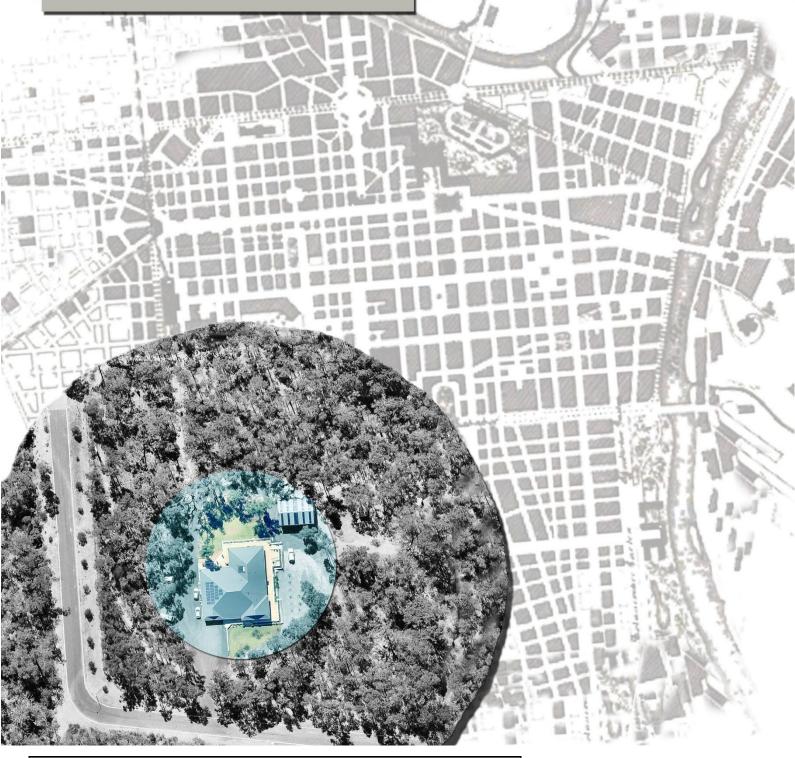
**Planning & Approvals Coordinator** 

Enc

### Bushfire management plan/Statement addressing the Bushfire Protection Criteria coversheet

Site visit: Yes	No		
Date of site visit (	if applicable): Day Month Y	Year	
Report author or	reviewer:		
WA BPAD accred	ditation level (please circle):		
Not accredited	Level 1 BAL assessor Level 2 practitioner Level 3 practitioner		
If accredited ple	ase provide the following.		
BPAD accreditati	ion number: Accreditation expiry: Month Y	Year	
Bushfire manage	ment plan version number:		
Bushfire manage	ment plan date: Day Month Y	Year	
Client/business n	ame:		
		Yes	No
	n calculated by a method other than method 1 as outlined in AS3959 7 method 1 has been used to calculate the BAL)?		
	bushfire protection criteria elements been addressed through the use of a		
	nciple (tick no if only acceptable solutions have been used to address all of the on criteria elements)?		
bushfire protection		Yes	No
ls the proposal ar	on criteria elements)?	Yes	No
Is the proposal ar  Unavoidable dev  Strategic planning	on criteria elements)?  The proposal (including rezoning applications)  The proposal (including rezoning applications)	Yes	No
Is the proposal are Unavoidable devenue. Strategic planning High risk land-use	on criteria elements)?  The proposal (including rezoning applications)	Yes	No
Is the proposal ar  Unavoidable dev  Strategic planning	on criteria elements)?  The proposal (including rezoning applications)	Yes	No
Is the proposal are Unavoidable deventions. Strategic planning High risk land-use	on criteria elements)?  The proposal (including rezoning applications)	Yes	No
Is the proposal are Unavoidable development Strategic plannin High risk land-use Vulnerable land- None of the aboom	on criteria elements)?  The proposal (including rezoning applications)		
Is the proposal are Unavoidable dev Strategic plannin High risk land-us Vulnerable land- None of the abo Note: Only if on or the WA	on criteria elements)?  The proposal (in BAL-40 or BAL-FZ)  The proposal (including rezoning applications)		
Is the proposal are Unavoidable dev Strategic plannin High risk land-us Vulnerable land- None of the abo Note: Only if on or the WA	on criteria elements)?  In y of the following (see SPP 3.7 for definitions)?  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In y elop		
Is the proposal are Unavoidable dev Strategic plannin High risk land-us Vulnerable land- None of the abo Note: Only if on or the WA	on criteria elements)?  In y of the following (see SPP 3.7 for definitions)?  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In y elop		
Is the proposal are Unavoidable dev Strategic plannin High risk land-us Vulnerable land- None of the abo Note: Only if on or the WA	on criteria elements)?  In y of the following (see SPP 3.7 for definitions)?  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In y elop		
Is the proposal are Unavoidable dev Strategic plannin High risk land-us Vulnerable land- None of the abo Note: Only if on or the WA Why has it been a development is for	on criteria elements)?  In y of the following (see SPP 3.7 for definitions)?  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In g proposal (including rezoning applications)  In y elopment (in BAL-40 or BAL-FZ)  In y elop	cal gover	
Is the proposal are Unavoidable dev Strategic plannin High risk land-use Vulnerable land- None of the aboo Note: Only if on or the WA Why has it been a development is for	on criteria elements)?  The proposal (including rezoning applications)  The pr	cal gover	

### Bushfire Management Plan



Report Details					
Project:	Proposed Weighbridge w/ Hut				
Project Address:	ect Address: Dunwell Road, CBH Muntadgin WA 6420				
Prepared by:	James Terenciuk, BPAD Accredited Level 2				
	Assessor, BPAD36529, MAIBS, AIMM.				
Report / Job Number	Report Version	Date submitted:			
12290a	1	24 May 2019			





#### Bushfire Management Plan



#### **Table of Contents**

1. Background Information	2
1.1 Purpose of Plan	2
1.2 Objectives	2
1.3 Statement against Other Relevant Documents	3
1.4 Proposal details	3
1.4.1 Figure 1: Site development	4
1.4.2 Figure 2: Map of Bushfire Prone Areas for the subject site	5
2. Bushfire Assessment Results	6
2.1 Assessment Inputs	6
Table 2A: Worst case BAL that applies to the site	6
Table 2B: Determined Bushfire Attack Level (BAL)	6
2.2 Preliminary BAL Assessment	7
2.2.1 Site Assessment & Site Plans	7
2.2.2 Vegetation Classification	8
3. Assessment against the Bushfire Protection Criteria	10
3.1 Compliance	10
4. Responsibilities for Implementation and Management of the Bushfire Measures	
5. Appendix 1: Schedule 1: Standard for Asset Protection Zones (Appendix 4 of the Guidelines)	
6. Appendix 2: Table 6 – Vehicular access technical requirements	14
7. Shire of Merredin's Fire Break Order	15



#### 1. Background Information

This Bushfire Management Plan was prepared to provide guidance for the planning and management of potential bushfire threat. The standards and recommendations within this plan are based on the performance criteria as set out in Guidelines for Planning in Bushfire Prone Areas (Version 1.3, Dec-2017).

This Bushfire Management Plan meets the requirements of SPP 3.7 and the Guidelines for Planning in Bushfire Prone Areas.



James Terenciuk Level 2 BPAD Practitioner

#### 1.1 Purpose of Plan

The purpose of this Plan is minimise the occurrence and impact of bushfires and their devastating effects to life, property and the environment, and to document fire prevention requirements at the Site. By providing acceptable solutions the BAL level can be managed to an acceptable level.

#### 1.2 Objectives

The objectives of this Plan are to:

- Define areas where values are located
- Define and rank hazard areas
- Identify individuals and organizations responsible for fire management and associated works within the area of the plan
- Develop fire management strategies for all land with regard to life, property and the environment
- Nominate an assessment procedure that evaluates the effectiveness and impact of proposed and existing fire prevention work and strategies
- Identify performance criteria and acceptable solutions for all fire management works, including acceptable solutions for fire breaks, low fuel areas and building construction standards.

This Plan will achieve the objectives by:

- Assessing the bushfire attack level
- Determining bushfire management requirements
- Determining ongoing management responsibilities



#### 1.3 Statement against Other Relevant Documents

This Bushfire Management Plan meets the intent of:

- 1. State Planning Policy 3.7,
- 2. Guidelines for Planning in Bushfire Prone Areas,
- 3. Local planning strategy references to bushfire risk management,
- 4. Local planning scheme provisions relating to bushfire risk management,
- 5. Applicable structure plans, special control area provisions, previous planning approvals or similar referencing bushfire risk management applicable to the subject site,
- 6. Standard fire break orders of the area; and
- 7. AS3959 Construction of Buildings in Bushfire-Prone Areas.

#### 1.4 Proposal details

The Site is located approximately 312 km East of the Perth CBD. As illustrated on Figure 1 – Site development, the proposal seeks approval for a new 36m above ground two-way weighbridge with hut.

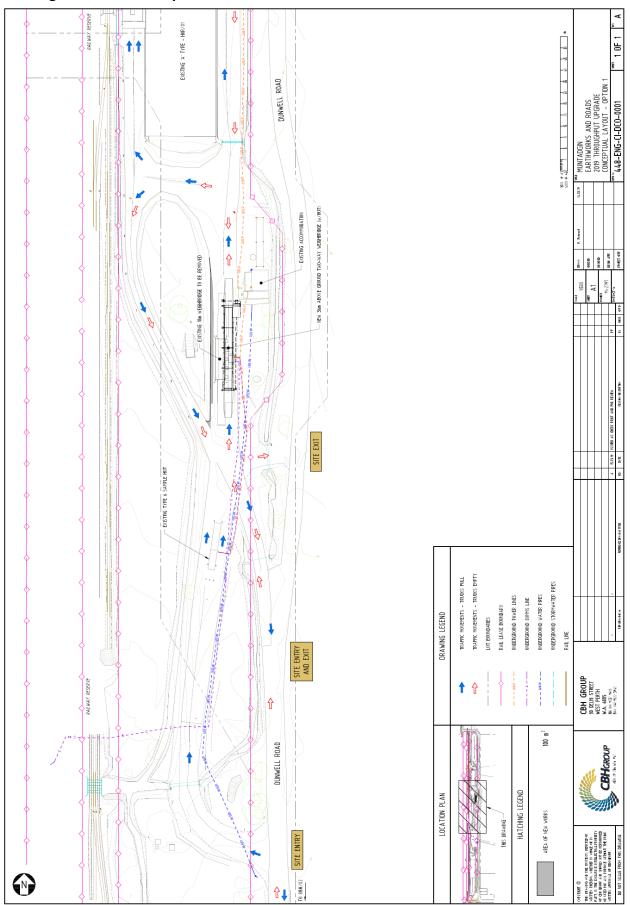
It has been identified as being located within a bushfire prone area according to the most recent map published by the Department of Fire and Emergency Services (refer to Figure 2).

There are no relevant environmental considerations, including local reserves, State Forest, National park, wetlands, Bush Forever sites, etc. within the site or being affected by the development.

There are no known previous bushfire assessments that have been undertaken for the site.



#### 1.4.1 Figure 1: Site development





#### 1.4.2 Figure 2: Map of Bushfire Prone Areas for the subject site





#### 2. Bushfire Assessment Results

#### 2.1 Assessment Inputs

The location and extent of the classifiable vegetation in relation to the proposed developments have been assessed and recorded in the attached BAL Assessment Report extract. The BAL Assessment Report is produced based on a methodology 1 assessment, with the vegetation being assessed "as is" in accordance with AS3959-2018. The initial BAL rating is given in the table below.

Table 2A: Worst case BAL that applies to the site

Plot	Vegetation Classification	Effective Slope	Separation (m)	BAL
1	Class B Woodland	Flat land	34.60	BAL – 12.5
2	Excludable – Clause 2.2.3.2(d)	-	-	BAL – LOW
3	Excludable – Clause 2.2.3.2(a)	-	106	BAL – LOW
4	Excludable – Clause 2.2.3.2(e)			BAL – LOW
	Excludable – Clause 2.2.3.2(f)	-	-	

Table 2B: Determined Bushfire Attack Level (BAL)

The Determined Bushfire Attack Level for the proposed development has been determined in accordance with clause 2.2.6 of AS 3959-2018 using the above analysis.

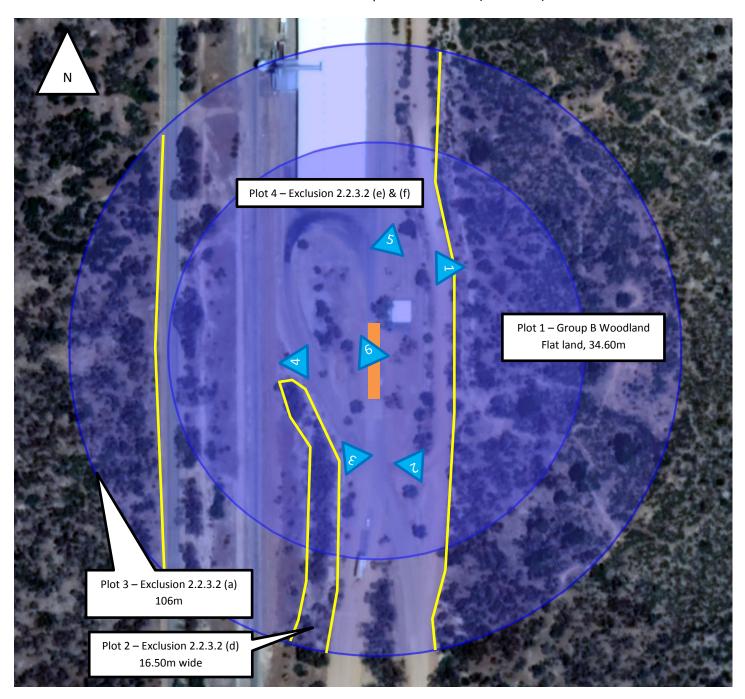




#### 2.2 Preliminary BAL Assessment

#### 2.2.1 Site Assessment & Site Plans

The assessment of this site was undertaken by a BPAD Accredited Practitioner for the purpose of determining the Bushfire Attack Level in accordance with AS 3959 - 2018 Simplified Procedure (Method 1).



#### Legend



= Photo location



= Proposed structure



= 100 and 150m wide buffers



= Vegetation plots



#### 2.2.2 Vegetation Classification

All vegetation within 100m of the site development was classified in accordance with Clause 2.2.3 of AS 3959-2018. Each distinguishable vegetation plot with the potential to determine the Bushfire Attack Level is identified below.

Photo ID:

1

Plot:

1

Vegetation Classification or Exclusion Clause

Class B Woodland - Low woodland B-07

#### **Description / Justification for Classification**

Trees 10 m–30 m high; 10%–30% foliage cover dominated by eucalypts and/or callistris with a prominent grassy understorey. May contain isolated shrubs.



Photo ID:

2

Plot: 1

**Vegetation Classification or Exclusion Clause** 

Class B Woodland - Low woodland B-07

#### **Description / Justification for Classification**

Trees 10 m–30 m high; 10%–30% foliage cover dominated by eucalypts and/or callistris with a prominent grassy understorey. May contain isolated shrubs.

Non-vegetated area in the foreground.



Photo ID:

Plot: 2

**Vegetation Classification or Exclusion Clause** 

Excludable - 2.2.3.2(d) Strip < 20m in width

#### **Description / Justification for Classification**

Strips of vegetation less than 20 m in width (measured perpendicular to the elevation exposed to the strip of vegetation) regardless of length and not within 20 m of the site or each other, or other areas of vegetation being classified vegetation.





Photo ID: 4 Plot: 3

**Vegetation Classification or Exclusion Clause** 

Excludable - 2.2.3.2(a) >100m from site

#### **Description / Justification for Classification**

Vegetation of any type that is more than 100 m from the site.



Photo ID: 5 Plot: 4

**Vegetation Classification or Exclusion Clause** 

Excludable - 2.2.3.2(e) Non Vegetated Areas

Excludable - 2.2.3.2(f) Low Threat Vegetation

#### **Description / Justification for Classification**

Non-vegetated areas, that is, areas permanently cleared of vegetation, including waterways, exposed beaches, roads, footpaths, buildings and rocky outcrops.

Vegetation regarded as low threat due to factors such as flammability, moisture content or fuel load. This includes grassland managed in a minimal fuel condition, nature strips and windbreaks.



Photo ID:

6

Plot:

4

**Vegetation Classification or Exclusion Clause** 

Excludable - 2.2.3.2(e) Non Vegetated Areas

Excludable - 2.2.3.2(f) Low Threat Vegetation

#### **Description / Justification for Classification**

Non-vegetated areas, that is, areas permanently cleared of vegetation, roads, buildings and rocky outcrops.

Vegetation regarded as low threat due to factors such as flammability, moisture content or fuel load. This includes grassland managed in a minimal fuel condition, nature strips and windbreaks.





#### 3. Assessment against the Bushfire Protection Criteria

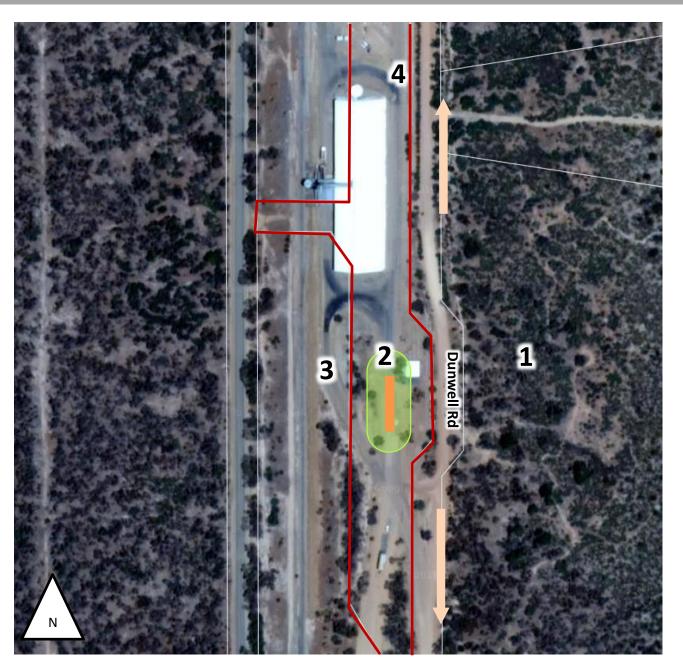
#### 3.1 Compliance

Each of the elements listed within Appendix 4 of the Guidelines for Planning in Bushfire Prone Areas has been addressed in this bushfire management plan as per the following table.

Bushfire protection criteria	Method of Compliance/Acceptable Solutions	Proposed bushfire management strategies			
Element 1: Location	A1.1 Development location	The site is located in an area subjects to BAL-12.5 (refer to Table 2A and 2B). However, it is demonstrated in Figure 3 how the risk around the proposed construction can be managed to not exceed BAL-29.			
Element 2: Siting and design of development	A2.1 Asset Protection Zone	The APZ is to be contained solely within the boundaries of the lot except in instances where areas are managed in a low-fuel state on an ongoing basis. All future construction is to be surrounded by an APZ of a sufficient width to ensure the potential radiant heat impact of a bushfire does not exceed BAL-29.  Refer to Figure 3 which indicates the minimum width of the APZ to be maintained for BAL-29.  The standards for APZ from the <i>Guidelines for Planning in Bushfire Prone Areas</i> is attached as Appendix 1.			
	A3.1 Two access routes	The existing road network demonstrates that access provided to the site is via Dunwell Rd giving a choice of two safe egress destinations to the North (Crossland St) and South (Hoopers Rd).  Both are available to all people at all times and under all weather conditions.			
	A3.2 Public road	All public roads are constructed as per the requirements of Table 6 Column 1 (attached as Appendix 2).			
FI	A3.3 Cul-de-sac (including dead-end-road)	N/A			
Element 3:	A3.4 Battle-axe	N/A			
Vehicular access	A3.5 Private driveway longer than 50m. A private driveway is to meet detailed requirements contained within the Guidelines.	The site's driveway is used by heavy vehicles and complies with the requirements of Table 6, Column 3.			
	A3.6 Emergency access way	N/A			
	A3.7 Fire services access routes (perimeter roads)	N/A			
	A3.8 Firebreak width	Install firebreaks to a width of 3m immediately inside and along all external boundaries of the land. Install firebreaks to a width of 20m around all buildings on the land. Refer to the Shire of Merredin's Firebreak Order attached as appendix.			
	A4.1 Reticulated areas	N/A			
	A4.2 Non-reticulated areas	N/A			
Element 4: Water	A4.3 Individual lots within non- reticulated areas (Only for use if creating 1 additional lot and cannot be applied cumulatively)	The site has access to public water tanks available to all people at all times with a minimum capacity of 10,000 litres. The tanks are located on Dunwell Rd, about 100m south from the subject site.			

#### Bushfire Management Plan - 3.1.1, Figure 3: Spatial representation of the bushfire management strategies





#### Legend

**Proposed construction** 



Asset Protection Zone

D

Site boundary

1

Notes

#### Notes

- 1) Woodland is the primary vegetation plot.
- 2) The minimum width for the Asset Protection Zone is 14m. The vegetation in the APZ is to comply with Schedule 1 Element 2 of the Guildelines (attached in Appendix 1).
- 3) The existing driveways within the development meets Table 6 Column 3. The whole site is in a trafficable surface in compliance with Table 6 (i.e. hard gravel and bitumen surface).
- 4) Firebreak to be of a minimum width of three metres inside and along all external boundaries of the land as prescribed in the Shire of Merredin's requirements. The site is mainly in a trafficable surface (hard gravel and bitumen surface) with nature strips of vegetation only.

Location Details: Dunwell Road, CBH Group Site, Muntadgin WA 6420

Local Government Area: Shire of Merredin

Assessment Date: 17.05.2019 Date of aerial photo: January 2005

Prepared by: James Terenciuk

Accreditation Level: Level 2 BPAD Bushfire

Accrediation Number: BPAD36529 Accrediation Expiry Date: February 2020



### 4. Responsibilities for Implementation and Management of the Bushfire Measures

DEVELOPER/LANDOWNER – PRIOR TO SALE OR OCCUPANCY					
No.	Implementation Action				
1	For future construction: establish the Asset Protection (APZ) to the dimensions and standards stated in the BMP.				
2	Comply with the relevant local government annual firebreak notice issued under s33 of the Bush Fires Act 1954.				
3	Landowners/occupiers to thoroughly read this BMP. If there are any items which require clarification is it recommended that they contact the author of this report.				
LAND	LANDOWNER/OCCUPIER – ONGOING MANAGEMENT				
No.	Management Action				
1	Maintain the Asset Protection Zone to the dimensions and standard stated in the BMP.				
2	Maintain vehicular access routes within the site to the required surface condition and clearances .				
3	Local government to ensure the maintenance of public roads complies with the public road standard established in accordance with Table 6 (attached in Appendix 2).				

To ensure that the above individuals/organisations are able to comply with the Bushfire Management Plan they are to be notified of their responsibilities by the developer and be given a copy of the endorsed Bushfire Management Plan.

This Bushfire Management Plan relates to a specific planning approval and should be referred to periodically as part of the owner's fire mitigation strategy. As time passes, any items found to require review due to changing circumstances are to be brought to the attention of the local government and the Bushfire Management Plan author.

#### Certification by bushfire consultant

I James Terenciuk, certify that at the time of inspection, the BAL ratings contained within this BMP are correct; Clearance by local government is recommended.

James Terenciuk

Level 2 BPAD Practitioner

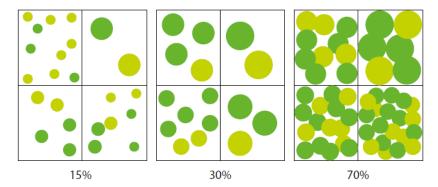
Date: 24 May 2019



### 5. Appendix 1: Schedule 1: Standard for Asset Protection Zones (Appendix 4 of the Guidelines)

- **Fences:** within the APZ are constructed from non-combustible materials (e.g. iron, brick, limestone, metal post and wire).
  - It is recommended that solid or slatted non-combustible perimeter fences are used.
- **Objects:** within 10 metres of a building, combustible objects must not be located close to the vulnerable parts of the building i.e. windows and doors.
- **Fine Fuel load:** combustible dead vegetation matter less than 6 millimetres in thickness reduced to and maintained at an average of two tonnes per hectare.
- Trees (> 5 metres in height): trunks at maturity should be a minimum distance of 6 metres from all elevations of the building, branches at maturity should not touch or overhang the building, lower branches should be removed to a height of 2 metres above the ground and or surface vegetation, canopy cover should be less than 15% with tree canopies at maturity well spread to at least 5 metres apart as to not form a continuous canopy.

Figure 18: Tree canopy cover – ranging from 15 to 70 per cent at maturity



- Shrubs (0.5 metres to 5 metres in height): should not be located under trees or within 3 metres of buildings, should not be planted in clumps greater than 5m2 in area, clumps of shrubs should be separated from each other and any exposed window or door by at least 10 metres. Shrubs greater than 5 metres in height are to be treated as trees.
- **Ground covers (<0.5 metres in height)**: can be planted under trees but must be properly maintained to remove dead plant material and any parts within 2 metres of a structure, but 3 metres from windows or doors if greater than 100 millimetres in height. Ground covers greater than 0.5 metres in height are to be treated as shrubs.
- Grass: should be managed to maintain a height of 100 millimetres or less.



#### 6. Appendix 2: Table 6 - Vehicular access technical requirements

TECHNICAL REQUIREMENTS	1 Public road	2 Cul-de-sac	3 Private driveway	4 Emergency access way	5 Fire service access routes
Minimum trafficable surface (m)	6*	6	4	6*	6*
Horizontal clearance (m)	6	6	6	6	6
Vertical clearance (m)	4.5	N/A	4.5	4.5	4.5
Maximum grade <50 metres	1 in 10	1 in 10	1 in 10	1 in 10	1 in 10
Minimum weight capacity (t)	15	15	15	15	15
Maximum crossfall	1 in 33	1 in 33	1 in 33	1 in 33	1 in 33
Curves minimum inner radius (m)	8.5	8.5	8.5	8.5	8.5
*Refer to E3.2 Public roads: Trafficable surface					

#### E3.1 Two access route

Two different vehicular access routes are provided, both of which connect to the public road network, provide safe access and egress to two different destinations and are available to all residents/the public at all times and under all weather conditions.

#### E3.2 Public road

*Trafficable surface:* Widths quoted for access routes refer to the width of the trafficable surface. A six metre trafficable surface does not necessarily mean paving width. It could, for example, include four metre wide having one metre wide constructed road shoulders. In special circumstances, where eight lots or less are being serviced, a public road with a minimum trafficable surface of four metres for a maximum distance of 90 metres may be provided subject to the approval of both the local government and Department of Fire and Emergency Services.





#### 7. Shire of Merredin's Fire Break Order



# FIRE BREAK ORDER 2018/19

Restricted Burning Periods

7 September 2018 - 31 October 2018 18 February 2019 - 16 March 2019 **BURNING PERMITS REQUIRED** 

November 2018 - 17 February 2019 **Prohibited Burning Period** STRICTLY NO BURNING



(General enquiries ONLY. In an emergency call 000) 9041 2522

Call 9041 1611 to subscribe



PO Box 42

(08) 9041 1611

9041 2999



www.merredin.wa.gov.au

Follow us: 🕴 🗑



**MERREDIN WA 6415** 

admin@merredin.wa.gov.au

"Rural Land" means all land not located within the boundaries of a town site as shown on the Shire of Merredin Town Planning "Town Site Land" means all land located within the boundaries of a town site as shown on the Shire of Merredin Town Planning "Firebreak" means ground from which all flammable material has

Scheme No. 1 Scheme Map;

Scheme No. 1 Scheme Map;

Stephen Crook | 0429 411 429

John Flockart | 0428 469 018

been removed to a height of 4 metres and on which no flammable

material is permitted;

ø

means material that can be easily ignited,

Kim Friis | 0400 240 787 material or thing deemed by an authorised officer to be capable of - dead or dry glass, leaves, timber, paper, plastic and other

combustion but does not include green growing trees or green growing plants in gardens;

upier of Land" means a person or persons as defined in Section 7 of the Bushfires Act 1954

During a fire emergency all landowners and occupiers are encouraged to isten to ABC Radio as they are the official emergency broadcast radio station. Local frequencies for Merredin are 531, 558 and 720 All landowners and occupiers who incur a bushfire have an obligation to assist the Fire Control Officer to compile a Fire Incident Report Form. The Bush Fires Act 1954 requires the occupiers of the land to take all regardless of how the fire started. Whilst local volunteer fire fighters will come out and assist in the control of the fire, landowners and occupiers reminded that they are ultimately responsible for fires on their apply and recovery of costs can be made by Council for those who do property including monitoring the fire after fire crews have left. Penalties reasonable measures to control fires on their land, at their expense not comply with these provisions. a<u>r</u>e

If you are interested in joining your local Volunteer Bush Fire Brigade, please contact the CBFCO (0429 411 429), the Deputy CBFCO (0428 469 018) or the Shire's Senior Ranger (0400 240 787)

Residents are strongly encouraged to have and maintain firefighting Must immediately report to the onsite Fire Control Officer for safety and equipment for the protection of their own property.

prevention in general should be directed to the Shire's Enquiries relating to this Firebreak Order or fire

Senior Ranger on 9041 1611 or 0400 240 787



- TS to burn are required for the whole of the Restricted Burning Periods and can only be obtained from your local FCO. Contact the CBFCO (0429 411 429) or the Senior Ranger (0400 240 787) to be put in touch with your FCO to obtain a permit.
- CAREFULLY READ and adhere to all of the conditions of the permit as any breach or negligence could make you liable for any neighbouring properties and/or infringements/ damage to
- ANY SPECIAL CONDITIONS imposed by the FCO when issuing permits must be strictly adhered to. The Senior Ranger may check that permit conditions are being complied with during the Restricted Burning Period.
- UPWARDS apply to any breaches of the permit conditions/ special conditions. Contact your FCO or Senior Ranger if in of \$250 THE SPOT FINES INFRINGEMENTS / ON
- PERIOD OF NOTICE to neighbours prior to burning cannot be more than 28 days or less than 4 days although lesser notice may be determined by mutual agreement of all neighbours.
- NO PERMITS will be issued for burning on PUBLIC HOLIDAYS during the Restricted and Prohibited Burning Periods.
- refuse and rubbish a 3 metre radius perimeter around the waste refuse and rubbish is not permitted during the Prohibited Burning GARDEN REFUSE & RUBBISH Prior to the burning of garden heap is to be cleared of all flammable material. Burning of garden Period and during the Restricted Burning Periods it will require a permit from a Fire Control Officer.
- CAMP FIRES During the Restricted Burning Period a permit is required for any cooking and camping fire. Cooking and Camp fires are not permitted throughout the Prohibited Burning Period Gas barbeques can still be used during this period.
- constructed. An open drum with or without a lid is not an þe to burn rubbish must pesn authorised incinerator. INCINERATORS

OCCUPIERS of land within the district of the Shire of Merredin are required before 1 November in each year (or within 14 As a measure for preventing the outbreak of bush fires or preventing clear firebreaks or take measures in accordance with this notice and maintain those firebreaks and measures in accordance with this days of becoming the Owner or Occupier of land if after that date) to notice up to and including the 16 March in the following year spread or extension of a bush fire which may

been undertaken by 1 NOVEMBER annually. Failure to do so YOUR RESPONSIBILITY to ensure your requirements have and to continue to maintain your property during bushfire season WILL RESULT in the issuing of an INFRINGEMENT by Duties of the Owner or Occupier are detailed below property nbou the the Senior Ranger

∞

# **FOWN SITE LAND WITH A BUILDING(S)**

- Where the area of land is 2,000m2 or less the land shall be cleared of all flammable materials;
- Where the area of land exceeds 2,000m², install a 3m wide firebreak immediately inside the external boundaries of the land;
- Maintain all grass on the land to a height no greater 5cm (50mm)
- Prune trees and shrubs and remove dead flammable material within 6m of all buildings on the land; and
- Ensure the roofs, gutters and walls of all buildings on the land are free of flammable matter.

# **VACANT TOWN SITE LAND**

- Where the area of land is 2,000m2 or less maintain all grass and flammable matter on the land to a height no greater than 5cm (50mm); and
- Where the land exceeds 2,000m2 install a 3m wide firebreak land by removing all flammable matter within that 3m wide fire break to a the immediately inside all external boundaries of neight of 4m.

## RURAL LAND

- Install firebreaks to a width of 3m immediately inside and along all external boundaries of the land;
- 20m around all buildings, haysheds and fuel storage areas on the land; and Install firebreaks to a width of
- Where the land is greater than 400 Ha in area, install sufficient internal 3m wide firebreaks so as to divide the land into areas of 400 Ha or less which are bounded by a 3m wide firebreak.

## FUEL DUMS & DEPOTS

Remove all inflammable matter within 10m of where fuel drums, fuel ramps or fuel dumps are located and where fuel drums, whether containing fuel or not, are stored.

# APPLICATION TO VARY THE LISTED REQUIREMENTS

firebreaks or establish other arrangements as required by this notice, you annually for permission to provide firebreaks in alternative positions on the may apply in writing to the Shire of Merredin not later than 16 October land. If permission is not granted in writing by the local government you If it is considered impracticable for any reason whatsoever to must comply with the requirements of this notice. In addition, you may be required to carry out further works which are considered necessary by the Senior Ranger (the appointed authorised officer for the Shire of Merredin) and specified by way of a separate written notice forwarded to the address as shown on the Shire of Merredin rates record for the relevant land.

TAKE NOTICE that pursuant to Section 33(4) of the Bush Fires Act 1954,

Owner or Occupier of land who has received notice fails or neglects to comply with the requisitions of the notice within the time specified, the Shire of Merredin may by its officers and with such servants, workmen and contractors, vehicles and machinery as the officers deem fit, enter upon the land and carry out the requisitions of the notice which have not been complied with and pursuant to Section 33(5) of the Bush Fires Act 1954 the amount of any costs and expenses incurred may be recovered from you as the Owner or Occupier of the land.

If the requirements of this notice are carried out by burning, such burning must be in accordance with the relevant provisions of the Bush Fires Act 1954.



Fire bans may be applied during both the Restricted and Prohibited Burning Periods.

A TOTAL FIRE BAN (TFB) is a ban put in place by the Department of Fire & Emergency Services (DFES). When declared, TFBs are in place for the whole day from midnight to midnight. They may be revoked during the day if the forecast weather does not eventuate or if weather conditions follow DFES on Twitter / Facebook, go to the DFES website or call 133 To find out if a ban is in place listen to ABC radio undertaken during a TFB can be found by visiting DFES' website ease. Further information about what activities may / may not

1) to find out what activities may / may not be undertaken. To find out if a ban is in place call the Harvest Ban A HARVEST & VEHICLE MOVEMENT BAN (HVMB) is a ban put in place by the Shire of Merredin. It carries different conditions as to what activities Information Line (9041 2999) or subscribe to the Harvest Ban SMS - cal Visit than a TFB. be undertaken